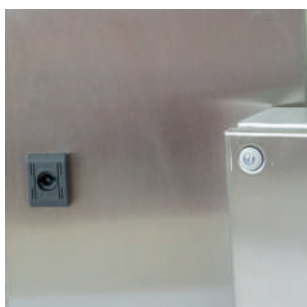




Electrical enclosures



Air conditioning solutions for
electrical enclosures



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DKC Europe, ISO 9001 and OHSAS 18001 certified, is part of the DKC multinational group established in 1998 and today a leading manufacturer of cable carrying systems and solutions for energy protection, distribution and conversion for both civil and industrial infrastructures.

FROM THE PAST COMES THE STRENGTH FOR FUTURE CHALLENGES

- 1998** — DKC, already operating in the telecommunications sector in Italy, opens its first factory in Russia to produce and distribute corrugated conduits.
- 2000** — Entry into the Ukraine market.
- From 2001 to 2004** — Distribution of interlocking conduits and raceways in Russia and Ukraine. Joint Venture for the production of conduits in Russia.
- 2007** — Acquisition of SCM, present in the Italian market as CEPI Italia since the 1960s, specialized in the design and production of metal conduits (Combitech line).
- 2008** — Acquisition of COST.E.L in Italy, a company specialized in the production of electrical enclosures for third parties (Ram-Block line). Opening of new plants in Hungary and Romania.
- From 2010 to 2011** — Opening in Rome of the production and commercial headquarters for electrical enclosure air conditioners (Ram-Klima line).
- 2012** — Opening of the new headquarters in Tunisia and a new plant in Novi Ligure.
- 2013**
- 2014** — Acquisition of well-established and important Italian companies:
 - Cosmec, leading company in the production of cable protection systems for electrical systems.
 - Conchiglia, a well-established company specialized in the production of components for public lighting, low voltage electricity distribution, gas/water network components and active road signalling devices;
 - Enerconv, a company with expertise in the design and production of power electronic machinery.
 - Opening in Brescia of the new Hercules line - Lighting production plant.
- 2015** — Acquisition in Italy of Steeltecnica which has been operating in the light structural work sector for electrical and electronic applications in national and international markets for over 40 years. DKC arrives in Brazil with the acquisition of Beghim Indústria e Comércio S.A. and Maxtil Indústria e Comércio Ltda.
- 2016** — The organizational and commercial structures of the Hercules line (busbar systems) and Steeltecnica are integrated into DKC Power Solutions.

ITALIA**DKC Europe Srl**

Bellinzago Novarese (NO)

Novi Ligure (AL)

Villanova sull'Arda (PC)

Roma (RM)

DKC Power Solutions Srl

Brivio (LC)

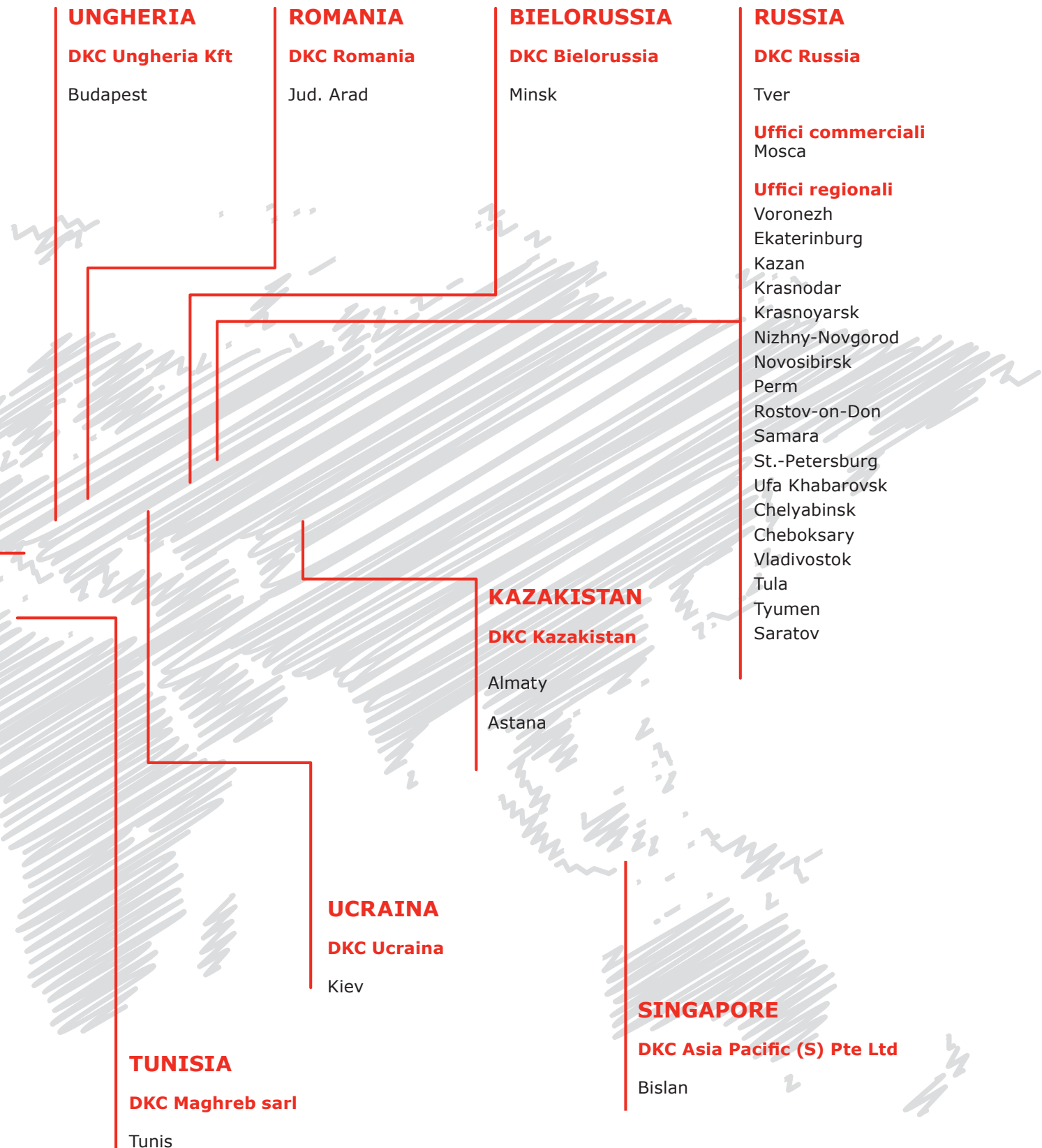
Lograto (BS)

The combination of factors which have led to the quick growth of the DKC Group at an international level are summarised as:

- wide availability of technologically innovative, functional and reliable products
- collaboration between resources, creation of a dynamic and cohesive close-knit group
- effective logistics and efficient pre and post sales assistance service

The group main value is to provide valid solutions to forestall and satisfy its customers' needs.

DKC BRASILE**Beghim Indústria e Comércio S.A.**
São Paulo**Maxtil Industria e Comercio Ltda**
Recife





COMBITECH

Cable protection solutions using metal conduit systems for realizing electrical systems



- Metal interlocking conduits and raceways
- Flush raceways
- Step raceways
- Hanging systems

Designed for laying power supply cables, these are the ideal solution for organizing low- and medium-voltage cables. The use of different accessories makes it possible to create wall, ceiling and floor mounted installations or combined installation solutions. The full compatibility of Combitech products allows you to use different types of raceways in the same project without needing additional accessories or adapters.

Applications:

industrial, shopping malls and warehouses, sports facilities, roads and motorways, marine environments, civil engineering, data centres, farms, electrical networks, telecommunications equipment and control systems, air-con systems.



Conchiglia

Solutions for the protection of outdoor electrical devices for low voltage networks.



- **Fibreglass roadside enclosures:** for electricity, telephone, water/gas distribution networks, traffic light systems, management systems designed for outdoor installation.
- **Products for L.V. and Industrial Systems:** for safely distributing and controlling energy by means of products which guarantee insulation of internal equipment and protection against impact and weather.
- **Signalling and Safety:** for improving traffic safety in conditions of poor visibility or in hazardous situations thanks to road and motorway signalling equipment, safety signalling systems for tunnels and driving assistance for poor visibility.
- **Public Lighting:** solutions to make electrical distribution quick, simple and safe along with solutions for optimizing the use of electricity.
- **Gas/Water:** for protecting and monitoring gas-water pipelines with anti-corrosion devices.





Solutions for protecting electrical cables in environments with a high risk of potential impact, fire, vandalism and explosion Metal protection systems



- Hydraulic and manual equipment
- Plastic systems
- ATEX/IECEX certified products to protect cables in potentially explosive atmospheres

Applications:

railways, marine sector, energy production, infrastructures and tunnels, on-board industrial machinery, food, chemical, pharmaceutical, service sectors, crowded facilities, refineries, gas plants and distribution centres, printing, paper and textile industries, water treatment plants, mining, power stations.



Energy conversion systems

The Ram-Batt line of product includes static continuity units – UPS – in continuous evolution thanks to the technological research in the R&D sector which has made it possible to identify a series of improvements to optimize functioning:

- Careful PWM management of fans to minimize power consumption and reduce system noise emissions for improved comfort
- Improved synchronisation with the network to achieve the maximum reduction in switching and system ageing and improve the efficiency of the Economy Mode.
- Management of UPS batteries has been optimised with charging curves based on the temperature and continuous dynamic control of their integrity.





NET ONE Data management solution

An air-conditioned rack enclosure system for data management. A solution for companies that decide to keep their IT infrastructure in-house and for those companies wishing to set up a delocalized Disaster Recovery infrastructure.

Advantages

- Reduced infrastructure costs
- Quick installation times
- An air conditioning system that works independently from other additional units outside of the cabinet
- A single, complete, pre-assembled cabinet that meets all of the installer's needs: air conditioning, UPS, fire prevention, remote access monitoring.
- Indoor installation both in blank environments and industrial settings
- Pre and after-sales service assistance (on request)
- IP55 enclosure protection rating and IP54 air conditioner protection rating (enclosure side)

Composition

The package includes:

- IT enclosure (42U except DKC devices)
2000x1100x1000mm (also available in 48U version)
- Colour RAL 9005 textured
- Cabinet air conditioning system (500W+4000W)
- Refrigerating power certified in accordance with DIN 3168 L35/L35
- Fire detection and extinguishing system based on aerosol technology
- Emergency UPS system (4KVA - 10KVA).
Autonomy = 10 minutes
- Cabinet's "vital parameters" monitoring system with remote control
- Cabling system via electro-galvanised wire raceway
- Interior LED lighting system

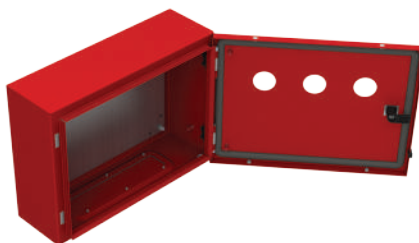




**RAM
BLOCK**

Customized products

Product customization is an important aspect of DKC production. The required accuracy is fully satisfied by the dedicated department.



Departure is our standard product. The goal is a completely customized product in its fundamental parts according to the customer's needs. In an office completely dedicated to this purpose there are designers and programmers CNC with decades of experience in the field.

DKC performs any type of drilling on both standard products and "custom" products and can carry out any type of painting in accordance with international standards.



Powder coating and special



Drilling



Battery mounting

Furthermore, at the request of the customer, DKC provides the assembly of the enclosures in battery and performs the assembly of any ordered components.

For all the above work, contact the DKC sales office.



Special products

129/5000

DKC stands out on the market for its production versatility that allows us to fulfill any customer request.



Born as mechanical carpentry, the company has been able to exploit all the experience gained in the field of the development of special products to meet the demands of the most demanding customer. Taking advantage of modern cutting and welding systems, together with a valid design office, it is able to produce electronic carpentry products quickly and precisely. The meeting with the customer, the development of the project and the verification of intermediate steps are the steps to achieve complete satisfaction in compliance with the regulations in force in the field of electronic equipment.



Solutions designed ad hoc



Particular workings



Dimensions out of standard

The attention to detail and attention to the customer are fundamental aspects for the special department that, always respecting the DKC quality, offers the customer the solution that best suits his needs.







CQE Modular enclosures

CQE enclosures mounted version	16
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CQE Modular Enclosure

The **structure** of CQE enclosures is composed of bars of 15/10 thick galvanized steel with a patented closed profile forming a support frame. The edges folded eight times impede the ingress of water, in case of its accidental accumulation thereon, and concur in the protection degree determination, since no cutting edges come in contact with the seals. Each bar is provided with alternate circle and square holes forming a three-dimensional grid with a pitch of 25 mm and its multiples inside the enclosure. This modularity allows to mount accessories in a quick and easy manner. In the bottom part of the enclosures there is a sizable entry to be closed with three removable and interchangeable gland plates assuring an easy cable passage, which may be further perforated.

Doors are manufactured of 20/10 thick steel. Inside the door a frame perforated with 25 mm pitch is mounted that is easily removable in order to allow further operations, if necessary. In addition to reinforcing the door, this frame assures an easy anchoring for any type of application. The door may easily substitute a rear panel. Four die-cast zamak hinges invisible from outside provide an opening angle of 130 degrees according to the reference standard in force. The opening is reversible with no necessity of mechanical modifications of the structure. Four closing points render the pressure to the seal more homogenous and improve its sealing capacity and lifespan. A special polyurethane seal applied by continuous moulding directly to the door assures a high protection degree.

All the models have an internal panel (**mounting panel**) made of 25/10 thick Sendzimir galvanized steel for a better potential equalization. The stiffness is guaranteed by U-shaped edge folding of 25 mm. The panel is complete with plastic slides and lean on guides, which allow its frontal introduction into the enclosure and depth adjustment. It is possible to place the panel in the utmost position and mount paired panels.

Having a great versatility and being suitable for whatever application, these enclosures are:

- Ideal as HMI enclosures for industrial plants;
- Appropriate for all applications in electronics;
- Convenient for LV distribution.

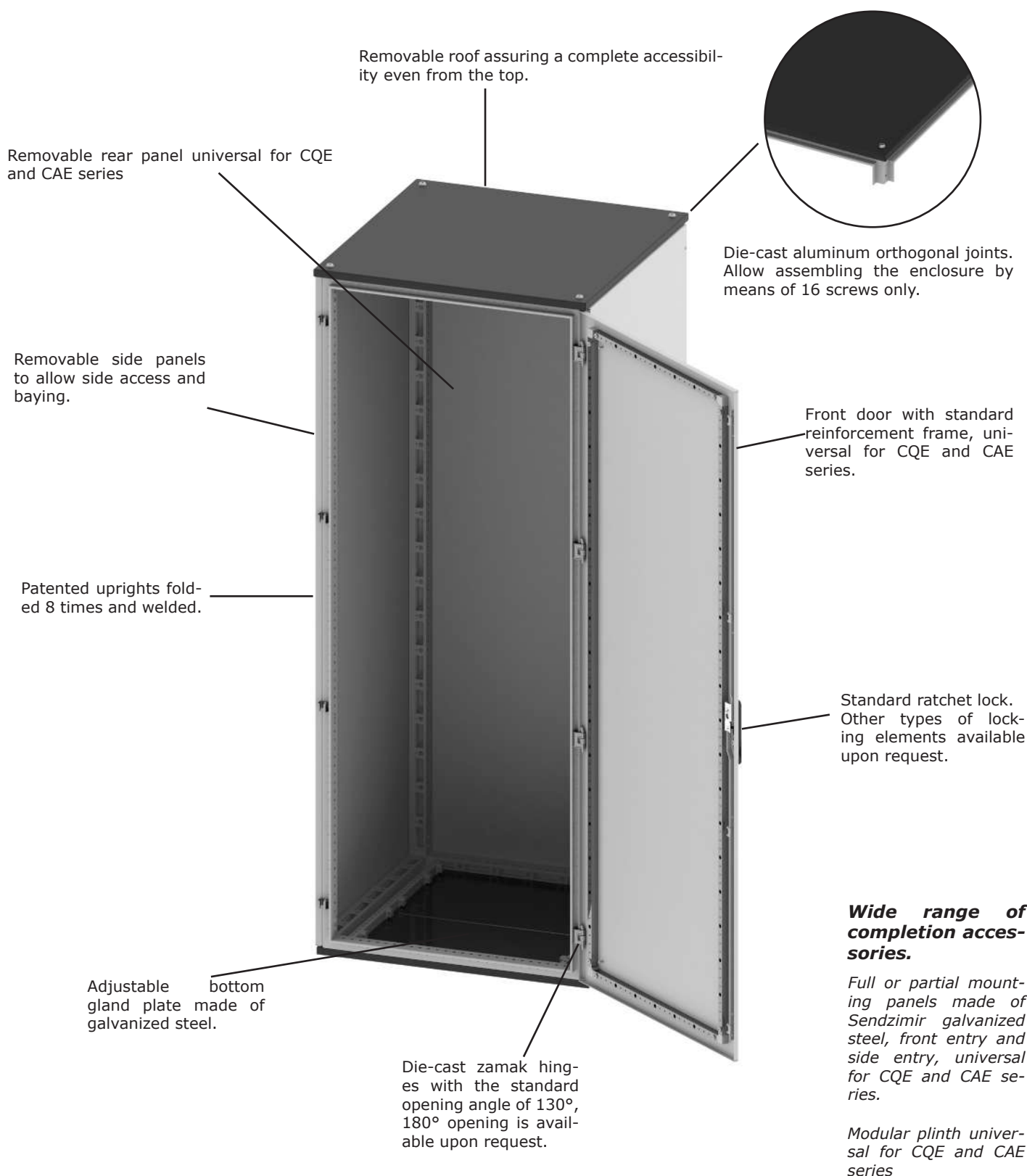
A complete compatibility with the accessories of CAE, the identity of components such as doors, rear panels, internal panels etc., allow an efficient and quick project engineering and a considerable stock costs reduction.

CQE series of modular enclosures includes five height options: 1400, 1600, 1800, 2000 and 2200, each available in various dimensions, on the whole counting more than 100 versions.

Each version is provided with a blank door or a window complete with a protective sheet of 4 mm thick glass. Each model is available both in assembled or flat pack version.

The standard painting is performed with epoxy-polyester powders of textured RAL 7035 colour. It is possible to obtain IP65 protection degree ordering a solid bottom (code RZFUC).





Conformity and Approvals



Protection degree

- IP 55 according to IEC EN 62208; EN 60529
- TYPE 4 according to UL508A; UL50 (single door)
- TYPE 12 according to UL508A; UL50 (double door)
- The protection degree is guaranteed by a seal of two-component polyurethane foam
- Impact resistance degree IK10 according to IEC EN 62208; EN 50102

CQE Assembled Version


Enclosure dimensions			Enclosure structure only (1)	Enclosure with rear panel (2)	Enclosure with blank door and rear panel (3)	Enclosure with glazed door and rear panel (4)	Enclosure with screen-printed glazed door and rear panel (5)
H	L	P					
1400	600	400	R5CQE1464S	R5CQE1464R	R5CQE1464	R5CQE1464X	-
		500	R5CQE1465S	R5CQE1465R	R5CQE1465	R5CQE1465X	-
	800	400	R5CQE1484S	R5CQE1484R	R5CQE1484	R5CQE1484X	-
		500	R5CQE1485S	R5CQE1485R	R5CQE1485	R5CQE1485X	-
	1200	400	R5CQE14124S	R5CQE14124R	R5CQE14124	-	-
		500	R5CQE14125S	R5CQE14125R	R5CQE14125	-	-
	1600	400	R5CQE14164S	R5CQE14164R	R5CQE14164	-	-
		500	R5CQE14165S	R5CQE14165R	R5CQE14165	-	-
1600	400*	400	R5CQE1644S	R5CQE1644R	R5CQE1644	-	-
		500	R5CQE1645S	R5CQE1645R	R5CQE1645	-	-
		600	R5CQE1646S	R5CQE1646R	R5CQE1646	-	-
	600	400	R5CQE1664S	R5CQE1664R	R5CQE1664	R5CQE1664X	R5CQE1664V
		500	R5CQE1665S	R5CQE1665R	R5CQE1665	R5CQE1665X	R5CQE1665V
		600	R5CQE1666S	R5CQE1666R	R5CQE1666	R5CQE1666X	R5CQE1666V
	800	400	R5CQE1684S	R5CQE1684R	R5CQE1684	R5CQE1684X	R5CQE1684V
		500	R5CQE1685S	R5CQE1685R	R5CQE1685	R5CQE1685X	R5CQE1685V
		600	R5CQE1686S	R5CQE1686R	R5CQE1686	R5CQE1686X	R5CQE1686V
	1000	400	R5CQE16104S	R5CQE16104R	R5CQE16104	R5CQE16104X	-
		500	R5CQE16105S	R5CQE16105R	R5CQE16105	R5CQE16105X	-
		600	R5CQE16106S	R5CQE16106R	R5CQE16106	R5CQE16106X	-
	1200	400	R5CQE16124S	R5CQE16124R	R5CQE16124	-	-
		500	R5CQE16125S	R5CQE16125R	R5CQE16125	-	-
		600	R5CQE16126S	R5CQE16126R	R5CQE16126	-	-

* roof with a flange

1. To be ordered separately: door, mounting panel, plinth, rear and side panels.
2. To be ordered separately: door, mounting panel, plinth and side panels.
- 3-4-5. To be ordered separately: mounting panel, plinth and side panels.

Accessories for CQE enclosure

Doors



Pag. 105

Mounting panels



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Uprights



Pag. 28

Side panels



Pag. 115

Plinth



Pag. 94



Blank door	Glazed door	Screenprinted glazed door	Rear panel	Mounting panel	Side panels	Plinth H 100	Plinth H 200
R5CPE1460	R5CPTE1460	-	R5CRE1460	RZPCE1460	R5LE1442	R1ZE641	R1ZE642
R5CPE1460	R5CPTE1460	-	R5CRE1460	RZPCE1460	R5LE1452	R1ZE651	R1ZE652
R5CPE1480	R5CPTE1480	-	R5CRE1480	RZPCE1480	R5LE1442	R1ZE841	R1ZE842
R5CPE1480	R5CPTE1480	-	R5CRE1480	RZPCE1480	R5LE1452	R1ZE851	R1ZE852
R5CPE14120	-	-	R5CRE14120	RZPCE14120	R5LE1442	R1ZE1241	R1ZE1242
R5CPE14120	-	-	R5CRE14120	RZPCE14120	R5LE1452	R1ZE1251	R1ZE1252
R5CPE14160	-	-	R5CRE14160	RZPCE14160	R5LE1442	R1ZE1641	R1ZE1642
R5CPE14160	-	-	R5CRE14160	RZPCE14160	R5LE1452	R1ZE1651	R1ZE1652
R5CPE1640	-	-	R5CRE1640	RZPCE1640	R5LE1642	R1ZE441	R1ZE442
R5CPE1640	-	-	R5CRE1640	RZPCE1640	R5LE1652	R1ZE451	R1ZE452
R5CPE1640	-	-	R5CRE1640	RZPCE1640	R5LE1662	R1ZE641	R1ZE642
R5CPE1660	R5CPTE1660	R5CPTED1660	R5CRE1660	RZPCE1660	R5LE1642	R1ZE641	R1ZE642
R5CPE1660	R5CPTE1660	R5CPTED1660	R5CRE1660	RZPCE1660	R5LE1652	R1ZE651	R1ZE652
R5CPE1660	R5CPTE1660	R5CPTED1660	R5CRE1660	RZPCE1660	R5LE1662	R1ZE661	R1ZE662
R5CPE1680	R5CPTE1680	R5CPTED1680	R5CRE1680	RZPCE1680	R5LE1642	R1ZE841	R1ZE842
R5CPE1680	R5CPTE1680	R5CPTED1680	R5CRE1680	RZPCE1680	R5LE1652	R1ZE851	R1ZE852
R5CPE1680	R5CPTE1680	R5CPTED1680	R5CRE1680	RZPCE1680	R5LE1662	R1ZE861	R1ZE862
R5CPE16100	R5CPTE16100	-	R5CRE16100	RZPCE16100	R5LE1642	R1ZE1041	R1ZE1042
R5CPE16100	R5CPTE16100	-	R5CRE16100	RZPCE16100	R5LE1652	R1ZE1051	R1ZE1052
R5CPE16100	R5CPTE16100	-	R5CRE16100	RZPCE16100	R5LE1662	R1ZE1061	R1ZE1062
R5CPE16120	-	-	R5CRE16120	RZPCE16120	R5LE1642	R1ZE1241	R1ZE1242
R5CPE16120	-	-	R5CRE16120	RZPCE16120	R5LE1652	R1ZE1251	R1ZE1252
R5CPE16120	-	-	R5CRE16120	RZPCE16120	R5LE1662	R1ZE1261	R1ZE1262

□ Exhaustion code. For the references of the new plinths see page 97-98

Accessories for CQE enclosure

Rack 19"



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Locking elements



Pag. 112

Lifting accessories



Pag. 137

Modularity



Pag. 143

Ramklima



Pag. 173

CQE Assembled Version


Enclosure dimensions			Enclosure structure only (1)	Enclosure with rear panel (2)	Enclosure with blank door and rear panel (3)	Enclosure with glazed door and rear panel (4)	Enclosure with screen-printed glazed door and rear panel (5)
H	L	P					
1800	300*	300	R5CQE1833S	R5CQE1833R	R5CQE1833	-	-
		400	R5CQE1834S	R5CQE1834R	R5CQE1834	-	-
		500	R5CQE1835S	R5CQE1835R	R5CQE1835	-	-
		600	R5CQE1836S	R5CQE1836R	R5CQE1836	-	-
		800	R5CQE1838S	R5CQE1838R	R5CQE1838	-	-
	400*	300	R5CQE1843S	R5CQE1843R	R5CQE1843	-	-
		400	R5CQE1844S	R5CQE1844R	R5CQE1844	-	-
		500	R5CQE1845S	R5CQE1845R	R5CQE1845	-	-
		600	R5CQE1846S	R5CQE1846R	R5CQE1846	-	-
		800	R5CQE1848S	R5CQE1848R	R5CQE1848	-	-
	600	300	R5CQE1863S	R5CQE1863R	R5CQE1863	R5CQE1863X	R5CQE1863V
		400	R5CQE1864S	R5CQE1864R	R5CQE1864	R5CQE1864X	R5CQE1864V
		500	R5CQE1865S	R5CQE1865R	R5CQE1865	R5CQE1865X	R5CQE1865V
		600	R5CQE1866S	R5CQE1866R	R5CQE1866	R5CQE1866X	R5CQE1866V
		800	R5CQE1868S	R5CQE1868R	R5CQE1868	R5CQE1868X	R5CQE1868V
	800	300	R5CQE1883S	R5CQE1883R	R5CQE1883	R5CQE1883X	R5CQE1883V
		400	R5CQE1884S	R5CQE1884R	R5CQE1884	R5CQE1884X	R5CQE1884V
		500	R5CQE1885S	R5CQE1885R	R5CQE1885	R5CQE1885X	R5CQE1885V
		600	R5CQE1886S	R5CQE1886R	R5CQE1886	R5CQE1886X	R5CQE1886V
		800	R5CQE1888S	R5CQE1888R	R5CQE1888	R5CQE1888X	R5CQE1888V
	1000	400	R5CQE18104S	R5CQE18104R	R5CQE18104	R5CQE18104X	-
		500	R5CQE18105S	R5CQE18105R	R5CQE18105	R5CQE18105X	-
		600	R5CQE18106S	R5CQE18106R	R5CQE18106	R5CQE18106X	-
		800	R5CQE18108S	R5CQE18108R	R5CQE18108	R5CQE18108X	-
	1200	400	R5CQE18124S	R5CQE18124R	R5CQE18124	R5CQE18124X	-
		500	R5CQE18125S	R5CQE18125R	R5CQE18125	R5CQE18125X	-
		600	R5CQE18126S	R5CQE18126R	R5CQE18126	R5CQE18126X	-
		800	R5CQE18128S	R5CQE18128R	R5CQE18128	R5CQE18128X	-

1. To be ordered separately: door, mounting panel, plinth, rear and side panels.
2. To be ordered separately: door, mounting panel, plinth and side panels.
- 3-4-5. To be ordered separately: mounting panel, plinth and side panels.

Accessories for CQE enclosure

Doors



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Mounting panels



Pag. 90

Uprights



Pag. 28

Side panels



Pag. 115

Plinth



Pag. 94

Accessories



Blank door	Glazed door	Screenprinted glazed door	Rear panel	Mounting panel	Side panels	Plinth H 100	Plinth H 200
R5CPE1830	-	-	R5CRE1830	RZPCE1830	R5LE1832	R1ZE331	R1ZE332
R5CPE1830	-	-	R5CRE1830	RZPCE1830	R5LE1842	R1ZE341	R1ZE342
R5CPE1830	-	-	R5CRE1830	RZPCE1830	R5LE1852	R1ZE351	R1ZE352
R5CPE1830	-	-	R5CRE1830	RZPCE1830	R5LE1862	R1ZE361	R1ZE362
R5CPE1830	-	-	R5CRE1830	RZPCE1830	R5LE1882	R1ZE381	R1ZE382
R5CPE1840	-	-	R5CRE1840	RZPCE1840	R5LE1832	R1ZE431	R1ZE432
R5CPE1840	-	-	R5CRE1840	RZPCE1840	R5LE1842	R1ZE441	R1ZE442
R5CPE1840	-	-	R5CRE1840	RZPCE1840	R5LE1852	R1ZE451	R1ZE452
R5CPE1840	-	-	R5CRE1840	RZPCE1840	R5LE1862	R1ZE461	R1ZE462
R5CPE1840	-	-	R5CRE1840	RZPCE1840	R5LE1882	R1ZE481	R1ZE482
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5LE1832	R1ZE631	R1ZE632
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5LE1842	R1ZE641	R1ZE642
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5LE1852	R1ZE651	R1ZE652
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5LE1862	R1ZE661	R1ZE662
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5LE1882	R1ZE861	R1ZE862
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5LE1832	R1ZE831	R1ZE832
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5LE1842	R1ZE841	R1ZE842
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5LE1852	R1ZE851	R1ZE852
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5LE1862	R1ZE861	R1ZE862
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5LE1882	R1ZE881	R1ZE882
R5CPE18100	R5CPTE18100	-	R5CRE18100	RZPCE18100	R5LE1842	R1ZE1041	R1ZE1042
R5CPE18100	R5CPTE18100	-	R5CRE18100	RZPCE18100	R5LE1852	R1ZE1051	R1ZE1052
R5CPE18100	R5CPTE18100	-	R5CRE18100	RZPCE18100	R5LE1862	R1ZE1061	R1ZE1062
R5CPE18100	R5CPTE18100	-	R5CRE18100	RZPCE18100	R5LE1882	R1ZE1081	R1ZE1082
R5CPE18120	R5CPTE18120	-	R5CRE18120	RZPCE18120	R5LE1842	R1ZE1241	R1ZE1242
R5CPE18120	R5CPTE18120	-	R5CRE18120	RZPCE18120	R5LE1852	R1ZE1251	R1ZE1252
R5CPE18120	R5CPTE18120	-	R5CRE18120	RZPCE18120	R5LE1862	R1ZE1261	R1ZE1262
R5CPE18120	R5CPTE18120	-	R5CRE18120	RZPCE18120	R5LE1882	R1ZE1281	R1ZE1282

❑ Codes nearing obsolescence. For new plinth references, see page 97-98

Accessories for CQE enclosure

Rack 19"



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Locking elements



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Lifting accessories



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Modularity



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Ramklima



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CQE Assembled Version


Enclosure dimensions			Enclosure structure only (1)	Enclosure with rear panel (2)	Enclosure with blank door and rear panel (3)	Enclosure with glazed door and rear panel (4)	Enclosure with screen-printed glazed door and rear panel (5)
H	L	P					
2000	300*	300	R5CQE2033S	R5CQE2033R	R5CQE2033	-	-
		400	R5CQE2034S	R5CQE2034R	R5CQE2034	-	-
		500	R5CQE2035S	R5CQE2035R	R5CQE2035	-	-
		600	R5CQE2036S	R5CQE2036R	R5CQE2036	-	-
		800	R5CQE2038S	R5CQE2038R	R5CQE2038	-	-
	400*	300	R5CQE2043S	R5CQE2043R	R5CQE2043	-	-
		400	R5CQE2044S	R5CQE2044R	R5CQE2044	-	-
		500	R5CQE2045S	R5CQE2045R	R5CQE2045	-	-
		600	R5CQE2046S	R5CQE2046R	R5CQE2046	-	-
		800	R5CQE2048S	R5CQE2048R	R5CQE2048	-	-
	600	300	R5CQE2063S	R5CQE2063R	R5CQE2063	R5CQE2063X	R5CQE2063V
		400	R5CQE2064S	R5CQE2064R	R5CQE2064	R5CQE2064X	R5CQE2064V
		500	R5CQE2065S	R5CQE2065R	R5CQE2065	R5CQE2065X	R5CQE2065V
		600	R5CQE2066S	R5CQE2066R	R5CQE2066	R5CQE2066X	R5CQE2066V
		800	R5CQE2068S	R5CQE2068R	R5CQE2068	R5CQE2068X	R5CQE2068V
	800	300	R5CQE2083S	R5CQE2083R	R5CQE2083	R5CQE2083X	R5CQE2083V
		400	R5CQE2084S	R5CQE2084R	R5CQE2084	R5CQE2084X	R5CQE2084V
		500	R5CQE2085S	R5CQE2085R	R5CQE2085	R5CQE2085X	R5CQE2085V
		600	R5CQE2086S	R5CQE2086R	R5CQE2086	R5CQE2086X	R5CQE2086V
		800	R5CQE2088S	R5CQE2088R	R5CQE2088	R5CQE2088X	R5CQE2088V
	1000	400	R5CQE20104S	R5CQE20104R	R5CQE20104	R5CQE20104X	-
		500	R5CQE20105S	R5CQE20105R	R5CQE20105	R5CQE20105X	-
		600	R5CQE20106S	R5CQE20106R	R5CQE20106	R5CQE20106X	-
		800	R5CQE20108S	R5CQE20108R	R5CQE20108	R5CQE20108X	-
	1200	400	R5CQE20124S	R5CQE20124R	R5CQE20124	R5CQE20124X	-
		500	R5CQE20125S	R5CQE20125R	R5CQE20125	R5CQE20125X	-
		600	R5CQE20126S	R5CQE20126R	R5CQE20126	R5CQE20126X	-
		800	R5CQE20128S	R5CQE20128R	R5CQE20128	R5CQE20128X	-
	1400	400	R5CQE20144S	R5CQE20144R	R5CQE20144	-	-
		500	R5CQE20145S	R5CQE20145R	R5CQE20145	-	-
		600	R5CQE20146S	R5CQE20146R	R5CQE20146	-	-
		800	R5CQE20148S	R5CQE20148R	R5CQE20148	-	-
	1600	400	R5CQE20164S	R5CQE20164R	R5CQE20164	-	-
		500	R5CQE20165S	R5CQE20165R	R5CQE20165	-	-
		600	R5CQE20166S	R5CQE20166R	R5CQE20166	-	-
		800	R5CQE20168S	R5CQE20168R	R5CQE20168	-	-

* roof with a flange

1. To be ordered separately: door, mounting panel, plinth, rear and side panels.

2. To be ordered separately: door, mounting panel, plinth and side panels.

3-4-5. To be ordered separately: mounting panel, plinth and side panels.

Accessories



Blank door	Glazed door	Screenprinted glazed door	Rear panel	Mounting panel	Side panels	Plinth H 100	Plinth H 200
R5CPE2030	-	-	R5CRE2030	RZPCE2030	R5LE2032	R1ZE331	R1ZE332
R5CPE2030	-	-	R5CRE2030	RZPCE2030	R5LE2042	R1ZE341	R1ZE342
R5CPE2030	-	-	R5CRE2030	RZPCE2030	R5LE2052	R1ZE351	R1ZE352
R5CPE2030	-	-	R5CRE2030	RZPCE2030	R5LE2062	R1ZE361	R1ZE362
R5CPE2030	-	-	R5CRE2030	RZPCE2030	R5LE2082	R1ZE381	R1ZE382
R5CPE2040	-	-	R5CRE2040	RZPCE2040	R5LE2032	R1ZE431	R1ZE432
R5CPE2040	-	-	R5CRE2040	RZPCE2040	R5LE2042	R1ZE441	R1ZE442
R5CPE2040	-	-	R5CRE2040	RZPCE2040	R5LE2052	R1ZE451	R1ZE452
R5CPE2040	-	-	R5CRE2040	RZPCE2040	R5LE2062	R1ZE641	R1ZE642
R5CPE2040	-	-	R5CRE2040	RZPCE2040	R5LE2082	R1ZE841	R1ZE842
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5LE2032	R1ZE631	R1ZE632
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5LE2042	R1ZE641	R1ZE642
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5LE2052	R1ZE651	R1ZE652
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5LE2062	R1ZE661	R1ZE662
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5LE2082	R1ZE861	R1ZE862
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5LE2032	R1ZE831	R1ZE832
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5LE2042	R1ZE841	R1ZE842
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5LE2052	R1ZE851	R1ZE852
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5LE2062	R1ZE861	R1ZE862
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5LE2082	R1ZE881	R1ZE882
R5CPE20100	R5CPTE20100	-	R5CRE20100	RZPCE20100	R5LE2042	R1ZE1041	R1ZE1042
R5CPE20100	R5CPTE20100	-	R5CRE20100	RZPCE20100	R5LE2052	R1ZE1051	R1ZE1052
R5CPE20100	R5CPTE20100	-	R5CRE20100	RZPCE20100	R5LE2062	R1ZE1061	R1ZE1062
R5CPE20100	R5CPTE20100	-	R5CRE20100	RZPCE20100	R5LE2082	R1ZE1081	R1ZE1082
R5CPE20120	R5CPTE20120	-	R5CRE20120	RZPCE20120	R5LE2042	R1ZE1241	R1ZE1242
R5CPE20120	R5CPTE20120	-	R5CRE20120	RZPCE20120	R5LE2052	R1ZE1251	R1ZE1252
R5CPE20120	R5CPTE20120	-	R5CRE20120	RZPCE20120	R5LE2062	R1ZE1261	R1ZE1262
R5CPE20120	R5CPTE20120	-	R5CRE20120	RZPCE20120	R5LE2082	R1ZE1281	R1ZE1282
R5CPE20140	-	-	R5CRE20140	RZPCE20140	R5LE2042	R1ZE1441	R1ZE1442
R5CPE20140	-	-	R5CRE20140	RZPCE20140	R5LE2052	R1ZE1451	R1ZE1452
R5CPE20140	-	-	R5CRE20140	RZPCE20140	R5LE2062	R1ZE1461	R1ZE1462
R5CPE20140	-	-	R5CRE20140	RZPCE20140	R5LE2082	R1ZE1481	R1ZE1482
R5CPE20160	-	-	R5CRE20160	RZPCE20160	R5LE2042	R1ZE1641	R1ZE1642
R5CPE20160	-	-	R5CRE20160	RZPCE20160	R5LE2052	R1ZE1651	R1ZE1652
R5CPE20160	-	-	R5CRE20160	RZPCE20160	R5LE2062	R1ZE1661	R1ZE1662
R5CPE20160	-	-	R5CRE20160	RZPCE20160	R5LE2082	R1ZE1681	R1ZE1682

Accessories for CQE enclosures from page 87

□ Codes nearing obsolescence. For new plinth references, see page 97-98

CQE Assembled Version


Enclosure dimension			Enclosure structure only (1)	Enclosure with rear panel (2)	Enclosure with blank door and rear panel (3)	Enclosure with glazed door and rear panel (4)	Enclosure with screen-printed glazed door and rear panel (5)
H	L	P					
2200	300*	300	R5CQE2233S	R5CQE2233R	R5CQE2233	-	-
		400	R5CQE2234S	R5CQE2234R	R5CQE2234	-	-
		500	R5CQE2235S	R5CQE2235R	R5CQE2235	-	-
		600	R5CQE2236S	R5CQE2236R	R5CQE2236	-	-
		800	R5CQE2238S	R5CQE2238R	R5CQE2238	-	-
	400*	300	R5CQE2243S	R5CQE2243R	R5CQE2243	-	-
		400	R5CQE2244S	R5CQE2244R	R5CQE2244	-	-
		500	R5CQE2245S	R5CQE2245R	R5CQE2245	-	-
		600	R5CQE2246S	R5CQE2246R	R5CQE2246	-	-
		800	R5CQE2248S	R5CQE2248R	R5CQE2248	-	-
	600	300	R5CQE2263S	R5CQE2263R	R5CQE2263	R5CQE2263X	-
		400	R5CQE2264S	R5CQE2264R	R5CQE2264	R5CQE2264X	-
		500	R5CQE2265S	R5CQE2265R	R5CQE2265	R5CQE2265X	-
		600	R5CQE2266S	R5CQE2266R	R5CQE2266	R5CQE2266X	-
		800	R5CQE2268S	R5CQE2268R	R5CQE2268	R5CQE2268X	-
	800	300	R5CQE2283S	R5CQE2283R	R5CQE2283	R5CQE2283X	-
		400	R5CQE2284S	R5CQE2284R	R5CQE2284	R5CQE2284X	-
		500	R5CQE2285S	R5CQE2285R	R5CQE2285	R5CQE2285X	-
		600	R5CQE2286S	R5CQE2286R	R5CQE2286	R5CQE2286X	-
		800	R5CQE2288S	R5CQE2288R	R5CQE2288	R5CQE2288X	-
	1000	400	R5CQE22104S	R5CQE22104R	R5CQE22104	R5CQE22104X	-
		500	R5CQE22105S	R5CQE22105R	R5CQE22105	R5CQE22105X	-
		600	R5CQE22106S	R5CQE22106R	R5CQE22106	R5CQE22106X	-
		800	R5CQE22108S	R5CQE22108R	R5CQE22108	R5CQE22108X	-
	1200	400	R5CQE22124S	R5CQE22124R	R5CQE22124	R5CQE22124X	-
		500	R5CQE22125S	R5CQE22125R	R5CQE22125	R5CQE22125X	-
		600	R5CQE22126S	R5CQE22126R	R5CQE22126	R5CQE22126X	-
		800	R5CQE22128S	R5CQE22128R	R5CQE22128	R5CQE22128X	-

* roof with a flange

1. To be ordered separately: door, mounting panel, plinth, rear and side panels.

2. To be ordered separately: door, mounting panel, plinth and side panels.

3-4-5. To be ordered separately: mounting panel, plinth and side panels.

Accessories for CQE enclosure

Doors



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Mounting panels



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Uprights



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Side panels



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Plinth



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Accessories



Blank door	Glazed door	Screenprinted glazed door	Rear panel	Mounting panel	Side panels	Plinth H 100	Plinth H 200
R5CPE2230	-	-	R5CRE2230	RZPCE2230	R5LE2232	R1ZE331	R1ZE332
R5CPE2230	-	-	R5CRE2230	RZPCE2230	R5LE2242	R1ZE341	R1ZE342
R5CPE2230	-	-	R5CRE2230	RZPCE2230	R5LE2252	R1ZE351	R1ZE352
R5CPE2230	-	-	R5CRE2230	RZPCE2230	R5LE2262	R1ZE361	R1ZE362
R5CPE2230	-	-	R5CRE2230	RZPCE2230	R5LE2282	R1ZE381	R1ZE382
R5CPE2240	-	-	R5CRE2240	RZPCE2240	R5LE2232	R1ZE431	R1ZE432
R5CPE2240	-	-	R5CRE2240	RZPCE2240	R5LE2242	R1ZE441	R1ZE442
R5CPE2240	-	-	R5CRE2240	RZPCE2240	R5LE2252	R1ZE451	R1ZE452
R5CPE2240	-	-	R5CRE2240	RZPCE2240	R5LE2262	R1ZE641	R1ZE642
R5CPE2240	-	-	R5CRE2240	RZPCE2240	R5LE2282	R1ZE841	R1ZE842
R5CPE2260	R5CPTE2260	-	R5CRE2260	RZPCE2260	R5LE2232	R1ZE631	R1ZE632
R5CPE2260	R5CPTE2260	-	R5CRE2260	RZPCE2260	R5LE2242	R1ZE641	R1ZE642
R5CPE2260	R5CPTE2260	-	R5CRE2260	RZPCE2260	R5LE2252	R1ZE651	R1ZE652
R5CPE2260	R5CPTE2260	-	R5CRE2260	RZPCE2260	R5LE2262	R1ZE661	R1ZE662
R5CPE2260	R5CPTE2260	-	R5CRE2260	RZPCE2260	R5LE2282	R1ZE861	R1ZE862
R5CPE2280	R5CPTE2280	-	R5CRE2280	RZPCE2280	R5LE2232	R1ZE831	R1ZE832
R5CPE2280	R5CPTE2280	-	R5CRE2280	RZPCE2280	R5LE2242	R1ZE841	R1ZE842
R5CPE2280	R5CPTE2280	-	R5CRE2280	RZPCE2280	R5LE2252	R1ZE851	R1ZE852
R5CPE2280	R5CPTE2280	-	R5CRE2280	RZPCE2280	R5LE2262	R1ZE861	R1ZE862
R5CPE2280	R5CPTE2280	-	R5CRE2280	RZPCE2280	R5LE2282	R1ZE881	R1ZE882
R5CPE22100	R5CPTE22100	-	R5CRE22100	RZPCE22100	R5LE2242	R1ZE1041	R1ZE1042
R5CPE22100	R5CPTE22100	-	R5CRE22100	RZPCE22100	R5LE2252	R1ZE1051	R1ZE1052
R5CPE22100	R5CPTE22100	-	R5CRE22100	RZPCE22100	R5LE2262	R1ZE1061	R1ZE1062
R5CPE22100	R5CPTE22100	-	R5CRE22100	RZPCE22100	R5LE2282	R1ZE1081	R1ZE1082
R5CPE22120	R5CPTE22120	-	R5CRE22120	RZPCE22120	R5LE2242	R1ZE1241	R1ZE1242
R5CPE22120	R5CPTE22120	-	R5CRE22120	RZPCE22120	R5LE2252	R1ZE1251	R1ZE1252
R5CPE22120	R5CPTE22120	-	R5CRE22120	RZPCE22120	R5LE2262	R1ZE1261	R1ZE1262
R5CPE22120	R5CPTE22120	-	R5CRE22120	RZPCE22120	R5LE2282	R1ZE1281	R1ZE1282

□ Codes nearing obsolescence. For new plinth references, see page 97-98

Accessories for CQE enclosure

Rack 19"



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Locking elements



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Lifting accessories



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Modularity



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Ramklima



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CQE Flat Pack Version


Dimensions			Components						
Height	Width	Depth	Roof and base	Uprights	Rear panel	Blank door	Side panels	Plinth H 100 mm	Mounting panel
1400	600	400	R1KTB64	R5KMN14	R5CRE1460	R5CPE1460	R5LE1442	R1ZE641	RZPCE1460
		500	R1KTB65				R5LE1452	R1ZE651	
	800	400	R1KTB84		R5CRE1480	R5CPE1480	R5LE1442	R1ZE841	RZPCE1480
		500	R1KTB85				R5LE1452	R1ZE851	
	1200	400	R1KTB124		R5CRE14120	R5CPE14120	R5LE1442	R1ZE1241	RZPCE14120
		500	R1KTB125				R5LE1452	R1ZE1251	
	1600	400	R1KTB164		R5CRE14160	R5CPE14160	R5LE1442	R1ZE1641	RZPCE14160
		500	R1KTB165				R5LE1452	R1ZE1651	
1600	400*	400	R1KTB44	R5KMN16	R5CRE1640	R5CPE1640	R5LE1642	R1ZE441	RZPCE1640
		500	R1KTB45				R5LE1652	R1ZE451	
		600	R1KTB46				R5LE1662	R1ZE641	
	600	400	R1KTB64		R5CRE1660	R5CPE1660	R5LE1642	R1ZE641	RZPCE1660
		500	R1KTB65				R5LE1652	R1ZE651	
		600	R1KTB66				R5LE1662	R1ZE661	
	800	400	R1KTB84		R5CRE1680	R5CPE1680	R5LE1642	R1ZE841	RZPCE1680
		500	R1KTB85				R5LE1652	R1ZE851	
		600	R1KTB86				R5LE1662	R1ZE861	
	1000	400	R1KTB104		R5CRE16100	R5CPE16100	R5LE1642	R1ZE1041	RZPCE16100
		500	R1KTB105				R5LE1652	R1ZE1051	
		600	R1KTB106				R5LE1662	R1ZE1061	
	1200	400	R1KTB124		R5CRE16120	R5CPE16120	R5LE1642	R1ZE1241	RZPCE16120
		500	R1KTB125				R5LE1652	R1ZE1251	
		600	R1KTB126				R5LE1662	R1ZE1261	
1800	300*	300	R1KTB33	R5KMN18	R5CRE1830	R5CPE1830	R5LE1832	R1ZE331	RZPCE1830
		400	R1KTB34				R5LE1842	R1ZE341	
		500	R1KTB35				R5LE1852	R1ZE351	
		600	R1KTB36				R5LE1862	R1ZE361	
		800	R1KTB38				R5LE1882	R1ZE381	
	400*	300	R1KTB43		R5CRE1840	R5CPE1840	R5LE1832	R1ZE431	RZPCE1840
		400	R1KTB44				R5LE1842	R1ZE441	
		500	R1KTB45				R5LE1852	R1ZE451	
		600	R1KTB46				R5LE1862	R1ZE641	
		800	R1KTB48				R5LE1882	R1ZE841	
	600	300	R1KTB63		R5CRE1860	R5CPE1860	R5LE1832	R1ZE631	RZPCE1860
		400	R1KTB64				R5LE1842	R1ZE641	
		500	R1KTB65				R5LE1852	R1ZE651	
		600	R1KTB66				R5LE1862	R1ZE661	
		800	R1KTB68				R5LE1882	R1ZE861	

* roof with a flange

❑ Codes nearing obsolescence. For new plinth references, see page 97-98

CQE Flat Pack Version



Dimensions			Components						
Height	Width	Depth	Roof and base	Uprights	Rear panel	Blank door	Side panels	Plinth H 100 mm	Mounting panel
1800	800	300	R1KTB83	R5KMN18	R5CRE1880	R5CPE1880	R5LE1832	R1ZE831	RZPCE1880
		400	R1KTB84				R5LE1842	R1ZE841	
		500	R1KTB85				R5LE1852	R1ZE851	
		600	R1KTB86				R5LE1862	R1ZE861	
		800	R1KTB88				R5LE1882	R1ZE881	
	1000	400	R1KTB104		R5CRE18100	R5CPE18100	R5LE1842	R1ZE1041	RZPCE18100
		500	R1KTB105				R5LE1852	R1ZE1051	
		600	R1KTB106				R5LE1862	R1ZE1061	
		800	R1KTB108				R5LE1882	R1ZE1081	
	1200	400	R1KTB124		R5CRE18120	R5CPE18120	R5LE1842	R1ZE1241	RZPCE18120
		500	R1KTB125				R5LE1852	R1ZE1251	
		600	R1KTB126				R5LE1862	R1ZE1261	
		800	R1KTB128				R5LE1882	R1ZE1281	
2000	300*	300	R1KTB33	R5KMN20	R5CRE2030	R5CPE2030	R5LE2032	R1ZE331	RZPCE2030
		400	R1KTB34				R5LE2042	R1ZE341	
		500	R1KTB35				R5LE2052	R1ZE351	
		600	R1KTB36				R5LE2062	R1ZE361	
		800	R1KTB38				R5LE2082	R1ZE381	
	400*	300	R1KTB43		R5CRE2040	R5CPE2040	R5LE2032	R1ZE431	RZPCE2040
		400	R1KTB44				R5LE2042	R1ZE441	
		500	R1KTB45				R5LE2052	R1ZE451	
		600	R1KTB46				R5LE2062	R1ZE641	
	600	800	R1KTB48				R5LE2082	R1ZE841	
		300	R1KTB63		R5CRE2060	R5CPE2060	R5LE2032	R1ZE631	RZPCE2060
		400	R1KTB64				R5LE2042	R1ZE641	
		500	R1KTB65				R5LE2052	R1ZE651	
		600	R1KTB66				R5LE2062	R1ZE661	
		800	R1KTB68				R5LE2082	R1ZE861	
	800	300	R1KTB83		R5CRE2080	R5CPE2080	R5LE2032	R1ZE831	RZPCE2080
		400	R1KTB84				R5LE2042	R1ZE841	
		500	R1KTB85				R5LE2052	R1ZE851	
		600	R1KTB86				R5LE2062	R1ZE861	
	1000	800	R1KTB88				R5LE2082	R1ZE881	
		400	R1KTB104		R5CRE20100	R5CPE20100	R5LE2042	R1ZE1041	RZPCE20100
		500	R1KTB105				R5LE2052	R1ZE1051	
		600	R1KTB106				R5LE2062	R1ZE1061	
		800	R1KTB108				R5LE2082	R1ZE1081	

* roof with a flange

Accessories for CQE enclosures from page 87

□ Codes nearing obsolescence. For new plinth references, see page 97-98

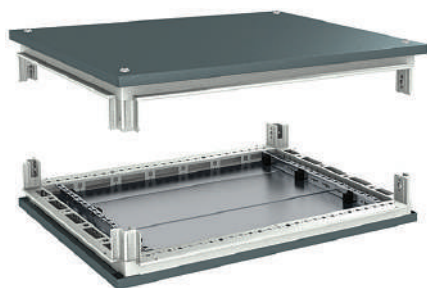
CQE Flat Pack Version


Dimensions			Components						
Height	Width	Depth	Roof and base	Uprights	Rear panel	Blank door	Side panels	Plinth H 100 mm	Mounting panel
2000	1200	400	R1KTB124	R5KMN20	R5CRE20120	R5CPE20120	R5LE2042	R1ZE1241	RZPCE20120
		500	R1KTB125				R5LE2052	R1ZE1251	
		600	R1KTB126				R5LE2062	R1ZE1261	
		800	R1KTB128				R5LE2082	R1ZE1281	
	1400	400	R1KTB144		R5CRE20140	R5CPE20140	R5LE2042	R1ZE1441	RZPCE20140
		500	R1KTB145				R5LE2052	R1ZE1451	
		600	R1KTB146				R5LE2062	R1ZE1461	
		800	R1KTB148				R5LE2082	R1ZE1481	
	1600	400	R1KTB164		R5CRE20160	R5CPE20160	R5LE2042	R1ZE1641	RZPCE20160
		500	R1KTB165				R5LE2052	R1ZE1651	
		600	R1KTB166				R5LE2062	R1ZE1661	
		800	R1KTB168				R5LE2082	R1ZE1681	
2200	300*	300	R1KTB33	R5KMN22	R5CRE2230	R5CPE2230	R5LE2232	R1ZE331	RZPCE2230
		400	R1KTB34				R5LE2242	R1ZE341	
		500	R1KTB35				R5LE2252	R1ZE351	
		600	R1KTB36				R5LE2262	R1ZE361	
		800	R1KTB38				R5LE2282	R1ZE381	
	400*	300	R1KTB43		R5CRE2240	R5CPE2240	R5LE2232	R1ZE431	RZPCE2240
		400	R1KTB44				R5LE2242	R1ZE441	
		500	R1KTB45				R5LE2252	R1ZE451	
		600	R1KTB46				R5LE2262	R1ZE641	
	600	800	R1KTB48		R5CRE2260	R5CPE2260	R5LE2282	R1ZE841	RZPCE2260
		300	R1KTB63				R5LE2232	R1ZE631	
		400	R1KTB64				R5LE2242	R1ZE641	
		500	R1KTB65				R5LE2252	R1ZE651	
		600	R1KTB66				R5LE2262	R1ZE661	
	800	800	R1KTB68		R5CRE2280	R5CPE2280	R5LE2282	R1ZE861	RZPCE2280
		300	R1KTB83				R5LE2232	R1ZE831	
		400	R1KTB84				R5LE2242	R1ZE841	
		500	R1KTB85				R5LE2252	R1ZE851	
		600	R1KTB86				R5LE2262	R1ZE861	
	1000	800	R1KTB88		R5CRE22100	R5CPE22100	R5LE2282	R1ZE881	RZPCE22100
		400	R1KTB104				R5LE2242	R1ZE1041	
		500	R1KTB105				R5LE2252	R1ZE1051	
		600	R1KTB106				R5LE2262	R1ZE1061	
	1200	800	R1KTB108		R5CRE22120	R5CPE22120	R5LE2282	R1ZE1081	RZPCE22120
		400	R1KTB124				R5LE2242	R1ZE1241	
		500	R1KTB125				R5LE2252	R1ZE1251	
		600	R1KTB126				R5LE2262	R1ZE1261	
		800	R1KTB128				R5LE2282	R1ZE1281	

* roof with a flange

□ Codes nearing obsolescence. For new plinth references, see page 97-98

Roof and base for CQE

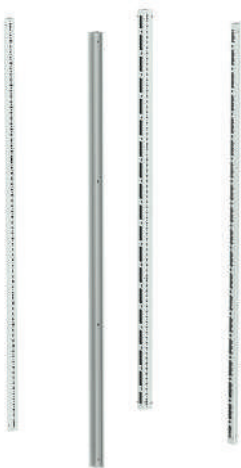


- Manufactured of 15/10 thick steel, painted textured RAL 7011.
- Complete with **adjustable bottom gland plate**
- Provided with orthogonal joints allowing a quick structure mounting by means of 16 screws only.
- Customizable bottom for various cable management solutions.

* roof with a flange

Enclosure dimension, mm		Code
Width L	Depth P	
300*	300	R1KTB33
	400	R1KTB34
	500	R1KTB35
	600	R1KTB36
	800	R1KTB38
400*	300	R1KTB43
	400	R1KTB44
	500	R1KTB45
	600	R1KTB46
	800	R1KTB48
600	300	R1KTB63
	400	R1KTB64
	500	R1KTB65
	600	R1KTB66
	800	R1KTB68
800	300	R1KTB83
	400	R1KTB84
	500	R1KTB85
	600	R1KTB86
	800	R1KTB88
1000	400	R1KTB104
	500	R1KTB105
	600	R1KTB106
	800	R1KTB108
1200	400	R1KTB124
	500	R1KTB125
	600	R1KTB126
	800	R1KTB128
1400	400	R1KTB144
	500	R1KTB145
	600	R1KTB146
	800	R1KTB148
1600	400	R1KTB164
	500	R1KTB165
	600	R1KTB166
	800	R1KTB168

Uprights for CQE



- Manufactured of 15/10 thick steel, painted textured RAL 7035.
- Patented profile folded 8 times and welded for a robustness elevated to the highest market levels
- Suitable for any configuration.
- Fastening accessories are provided along with doors, rear and side panels (to be ordered in addition).

Enclosure dimensions, mm	Code
1400	R5KMN14
1600	R5KMN16
1800	R5KMN18
2000	R5KMN20
2200	R5KMN22

CQE Modular Enclosure Structure



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF and BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

COMPOSITION

Structure, roof, base and bottom.

N.B. IP/TYPE protection degree shown in the table below is referred to a enclosure/bayed enclosures complete with doors, rear and side panels.

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
1400	600	400	IP 55 complies with TYPE 4	R5CQE1464S
		500		R5CQE1465S
	800	400		R5CQE1484S
		500		R5CQE1485S
	1200	400	IP 55 complies with TYPE 12	R5CQE14124S
		500		R5CQE14125S
	1600	400		R5CQE14164S
		500		R5CQE14165S
1600	400	400	IP 55 complies with TYPE 4	R5CQE1644S
		500		R5CQE1645S
		600		R5CQE1646S
	600	400		R5CQE1664S
		500		R5CQE1665S
		600		R5CQE1666S
		600		R5CQE1684S
	800	400		R5CQE1685S
		500		R5CQE1686S
		600		R5CQE1686S
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE16104S
		500		R5CQE16105S
		600		R5CQE16106S
	1200	400	IP 55 complies with TYPE 12	R5CQE16124S
		500		R5CQE16125S
		600		R5CQE16126S
1800	300*	300	IP 55 complies with TYPE 4	R5CQE1833S
		400		R5CQE1834S
		500		R5CQE1835S
		600		R5CQE1836S
		800		R5CQE1838S
		800		R5CQE1838S
	400*	300		R5CQE1843S
		400		R5CQE1844S
		500		R5CQE1845S
		600		R5CQE1846S
		800		R5CQE1848S
		800		R5CQE1848S
	600	300		R5CQE1863S
		400		R5CQE1864S
		500		R5CQE1865S
		600		R5CQE1866S
		800		R5CQE1866S
		800		R5CQE1868S

* roof with a flange

CQE Modular Enclosure Structure



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

COMPOSITION

Structure, roof, base and bottom.

N.B. IP/TYPE protection degree shown in the table below is referred to a enclosure/bayed enclosures complete with doors, rear and side panels

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
1800	800	300	IP 55 complies with TYPE 4	R5CQE1883S
		400		R5CQE1884S
		500		R5CQE1885S
		600		R5CQE1886S
		800		R5CQE1888S
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE18104S
		500		R5CQE18105S
		600		R5CQE18106S
		800		R5CQE18108S
	1200	400	IP 55 complies with TYPE 12	R5CQE18124S
		500		R5CQE18125S
		600		R5CQE18126S
		800		R5CQE18128S
2000	300*	300	IP 55 complies with TYPE 4	R5CQE2033S
		400		R5CQE2034S
		500		R5CQE2035S
		600		R5CQE2036S
		800		R5CQE2038S
	400*	300		R5CQE2043S
		400		R5CQE2044S
		500		R5CQE2045S
		600		R5CQE2046S
		800		R5CQE2048S
	600	300		R5CQE2063S
		400		R5CQE2064S
		500		R5CQE2065S
		600		R5CQE2066S
		800		R5CQE2068S
	800	300		R5CQE2083S
		400		R5CQE2084S
		500		R5CQE2085S
		600		R5CQE2086S
		800		R5CQE2088S

* roof with a flange

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
2000	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE20104S
		500		R5CQE20105S
		600		R5CQE20106S
		800		R5CQE20108S
	1200	400	IP 55 complies with TYPE 12	R5CQE20124S
		500		R5CQE20125S
		600		R5CQE20126S
		800		R5CQE20128S
	1400	400		R5CQE20144S
		500		R5CQE20145S
		600		R5CQE20146S
		800		R5CQE20148S
	1600	400		R5CQE20164S
		500		R5CQE20165S
		600		R5CQE20166S
		800		R5CQE20168S
2200	300*	300	IP 55 complies with TYPE 4	R5CQE2233S
		400		R5CQE2234S
		500		R5CQE2235S
		600		R5CQE2236S
		800		R5CQE2238S
		800		R5CQE2238S
	400*	300		R5CQE2243S
		400		R5CQE2244S
		500		R5CQE2245S
		600		R5CQE2246S
		800		R5CQE2248S
		800		R5CQE2248S
	600	300		R5CQE2263S
		400		R5CQE2264S
		500		R5CQE2265S
		600		R5CQE2266S
		800		R5CQE2268S
		800		R5CQE2268S
	800	300		R5CQE2283S
		400		R5CQE2284S
		500		R5CQE2285S
		600		R5CQE2286S
		800		R5CQE2288S
		800		R5CQE2288S
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE22104S
		500		R5CQE22105S
		600		R5CQE22106S
		800		R5CQE22108S
	1200	400	IP 55 complies with TYPE 12	R5CQE22124S
		500		R5CQE22125S
		600		R5CQE22126S
		800		R5CQE22128S

* roof with a flange

CQE Modular Enclosures with Rear Panel only



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

COMPOSITION

Structure, roof, base, bottom and rear panel.

N.B. IP/TYPE protection degree shown in the table below is referred to a enclosure/bayed enclosures complete with doors and side panels.

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
1400	600	400	IP 55 complies with TYPE 4	R5CQE1464R
		500		R5CQE1465R
	800	400		R5CQE1484R
		500		R5CQE1485R
	1200	400	IP 55 complies with TYPE 12	R5CQE14124R
		500		R5CQE14125R
	1600	400		R5CQE14164R
		500		R5CQE14165R
1600	400*	400	IP 55 complies with TYPE 4	R5CQE1644R
		500		R5CQE1645R
		600		R5CQE1646R
	600	400		R5CQE1664R
		500		R5CQE1665R
		600		R5CQE1666R
		400		R5CQE1684R
	800	500		R5CQE1685R
		600		R5CQE1686R
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE16104R
		500		R5CQE16105R
		600		R5CQE16106R
	1200	400	IP 55 complies with TYPE 12	R5CQE16124R
		500		R5CQE16125R
		600		R5CQE16126R
	300*	300	IP 55 complies with TYPE 4	R5CQE1833R
		400		R5CQE1834R
		500		R5CQE1835R
		600		R5CQE1836R
		800		R5CQE1838R
	400*	300		R5CQE1843R
		400		R5CQE1844R
		500		R5CQE1845R
		600		R5CQE1846R
	600	800		R5CQE1848R
		300		R5CQE1863R
		400		R5CQE1864R
		500		R5CQE1865R
		600		R5CQE1866R
		800		R5CQE1868R

* roof with a flange

Dimension, mm			Protection degree	Codice
Height, H	Width, L	Depth, P		
1800	800	300	IP 55 complies with TYPE 4	R5CQE1883R
		400		R5CQE1884R
		500		R5CQE1885R
		600		R5CQE1886R
		800		R5CQE1888R
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE18104R
		500		R5CQE18105R
		600		R5CQE18106R
		800		R5CQE18108R
	1200	400	IP55 complies with TYPE 12	R5CQE18124R
		500		R5CQE18125R
		600		R5CQE18126R
		800		R5CQE18128R
2000	300*	300	IP55 complies with TYPE 4	R5CQE2033R
		400		R5CQE2034R
		500		R5CQE2035R
		600		R5CQE2036R
		800		R5CQE2038R
	400*	300		R5CQE2043R
		400		R5CQE2044R
		500		R5CQE2045R
		600		R5CQE2046R
	600	800		R5CQE2048R
		300		R5CQE2063R
		400		R5CQE2064R
		500		R5CQE2065R
		600		R5CQE2066R
	800	800		R5CQE2068R
		300		R5CQE2083R
		400		R5CQE2084R
		500		R5CQE2085R
		600		R5CQE2086R
	1000	800		R5CQE2088R
		400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE20104R
		500		R5CQE20105R
		600		R5CQE20106R
		800		R5CQE20108R
	1200	400	IP55 complies with TYPE 12	R5CQE20124R
		500		R5CQE20125R
		600		R5CQE20126R
		800		R5CQE20128R
	1400	400		R5CQE20144R
		500		R5CQE20145R
		600		R5CQE20146R
		800		R5CQE20148R
	1600	400		R5CQE20164R
		500		R5CQE20165R
		600		R5CQE20166R
		800		R5CQE20168R

CQE Modular Enclosures with Rear Panel only



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

COMPOSITION

Structure, roof, base, bottom and rear panel.

N.B. IP/TYPE protection degree shown in the table below is referred to a enclosure/bayed enclosures complete with doors and side panels.

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
2200	300*	300	IP 55 complies with TYPE 4	R5CQE2233R
		400		R5CQE2234R
		500		R5CQE2235R
		600		R5CQE2236R
		800		R5CQE2238R
	400*	300		R5CQE2243R
		400		R5CQE2244R
		500		R5CQE2245R
		600		R5CQE2246R
		800		R5CQE2248R
	600	300		R5CQE2263R
		400		R5CQE2264R
		500		R5CQE2265R
		600		R5CQE2266R
		800		R5CQE2268R
	800	300		R5CQE2283R
		400		R5CQE2284R
		500		R5CQE2285R
		600		R5CQE2286R
		800		R5CQE2288R
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE22104R
		500		R5CQE22105R
		600		R5CQE22106R
		800		R5CQE22108R
	1200	400	IP55 complies with TYPE 12	R5CQE22124R
		500		R5CQE22125R
		600		R5CQE22126R
		800		R5CQE22128R

* roof with a flange

CQE Modular Enclosures with Blank Door



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

DOOR

20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm.

Impact resistance degree as per IEC EN 62208; EN50102: IK10

COMPOSITION

Structure, roof, base, bottom, rear panel and door.

N.B. IP/TYPE protection degree shown in the table below is referred to a enclosure/bayed enclosures complete with side panels.

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
1400	600	400	IP 55 complies with TYPE 4	R5CQE1464
		500		R5CQE1465
	800	400		R5CQE1484
		500		R5CQE1485
	1200	400	IP 55 complies with TYPE 12	R5CQE14124
		500		R5CQE14125
	1600	400		R5CQE14164
		500		R5CQE14165
1600	400*	400	IP 55 complies with TYPE 4	R5CQE1644
		500		R5CQE1645
		600		R5CQE1646
	600	400		R5CQE1664
		500		R5CQE1665
		600		R5CQE1666
	800	400		R5CQE1684
		500		R5CQE1685
		600		R5CQE1686
	1000	400		R5CQE16104
		500		R5CQE16105
		600		R5CQE16106
	1200	400	IP 55 complies with TYPE 12	R5CQE16124
		500		R5CQE16125
		600		R5CQE16126
1800	300*	300	IP 55 complies with TYPE 4	R5CQE1833
		400		R5CQE1834
		500		R5CQE1835
		600		R5CQE1836
		800		R5CQE1838
	400*	300		R5CQE1843
		400		R5CQE1844
		500		R5CQE1845
		600		R5CQE1846
		800		R5CQE1848

* roof with a flange

CQE Modular Enclosures with Blank Door



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

DOOR

20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm.

Impact resistance degree as per IEC EN 62208; EN50102: IK10

COMPOSITION

Structure, roof, base, bottom, rear panel and door.

N.B. IP/TYPE protection degree shown in the table below is referred to a enclosure/bayed enclosures complete with side panels.

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
1800	600	300	IP 55 complies with TYPE 4	R5CQE1863
		400		R5CQE1864
		500		R5CQE1865
		600		R5CQE1866
		800		R5CQE1868
	800	300		R5CQE1883
		400		R5CQE1884
		500		R5CQE1885
		600		R5CQE1886
		800		R5CQE1888
	1000	400		R5CQE18104
		500		R5CQE18105
		600		R5CQE18106
		800		R5CQE18108
	1200	400	IP 55 complies with TYPE 12	R5CQE18124
		500		R5CQE18125
		600		R5CQE18126
		800		R5CQE18128
2000	300*	300	IP 55 complies with TYPE 4	R5CQE2033
		400		R5CQE2034
		500		R5CQE2035
		600		R5CQE2036
		800		R5CQE2038
	400*	300		R5CQE2043
		400		R5CQE2044
		500		R5CQE2045
		600		R5CQE2046
		800		R5CQE2048
	600	300		R5CQE2063
		400		R5CQE2064
		500		R5CQE2065
		600		R5CQE2066
		800		R5CQE2068

* roof with a flange

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
2000	800	300	IP 55 complies with TYPE 4	R5CQE2083
		400		R5CQE2084
		500		R5CQE2085
		600		R5CQE2086
		800		R5CQE2088
	1000	400		R5CQE20104
		500		R5CQE20105
		600		R5CQE20106
		800		R5CQE20108
	1200	400	IP 55 complies with TYPE 12	R5CQE20124
		500		R5CQE20125
		600		R5CQE20126
		800		R5CQE20128
	1400	400		R5CQE20144
		500		R5CQE20145
		600		R5CQE20146
		800		R5CQE20148
	1600	400		R5CQE20164
		500		R5CQE20165
		600		R5CQE20166
		800		R5CQE20168
2200	300*	300	IP 55 complies with TYPE 4	R5CQE2233
		400		R5CQE2234
		500		R5CQE2235
		600		R5CQE2236
		800		R5CQE2238
	400*	300		R5CQE2243
		400		R5CQE2244
		500		R5CQE2245
		600		R5CQE2246
		800		R5CQE2248
	600	300		R5CQE2263
		400		R5CQE2264
		500		R5CQE2265
		600		R5CQE2266
		800		R5CQE2268
	800	300		R5CQE2283
		400		R5CQE2284
		500		R5CQE2285
		600		R5CQE2286
		800		R5CQE2288
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CQE22104
		500		R5CQE22105
		600		R5CQE22106
		800		R5CQE22108
	1200	400	IP 55 complies with TYPE 12	R5CQE22124
		500		R5CQE22125
		600		R5CQE22126
		800		R5CQE22128

* roof with a flange

CQE Modular Enclosures with Glazed Door



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

DOOR

20/10 thick steel, painted textured RAL 7035, with rounded safety edges. 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm. 40/10 thick safety glass.

Impact resistance degree as per IEC EN 62208; EN50102: IK09

COMPOSITION

Structure, roof, base, bottom, rear panel and glazed door.

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
1400	600	400	IP 55	R5CQE1464X
		500		R5CQE1465X
	800	400		R5CQE1484X
		500		R5CQE1485X
1600	600	400		R5CQE1664X
		500		R5CQE1665X
		600		R5CQE1666X
		400		R5CQE1684X
	800	500		R5CQE1685X
		600		R5CQE1686X
		400		R5CQE16104X
		500		R5CQE16105X
	1000	600		R5CQE16106X
		300		R5CQE1863X
		400		R5CQE1864X
		500		R5CQE1865X
1800	600	600		R5CQE1866X
		800		R5CQE1868X
		300		R5CQE1883X
		400		R5CQE1884X
		500		R5CQE1885X
		600		R5CQE1886X
	800	800		R5CQE1888X
		400		R5CQE18104X
		500		R5CQE18105X
		600		R5CQE18106X
		800		R5CQE18108X
		400	IP55	R5CQE18124X
	1200	500		R5CQE18125X
		600		R5CQE18126X
		800		R5CQE18128X

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
2000	600	300	IP55	R5CQE2063X
		400		R5CQE2064X
		500		R5CQE2065X
		600		R5CQE2066X
		800		R5CQE2068X
	800	300		R5CQE2083X
		400		R5CQE2084X
		500		R5CQE2085X
		600		R5CQE2086X
		800		R5CQE2088X
	1000	400		R5CQE20104X
		500		R5CQE20105X
		600		R5CQE20106X
		800		R5CQE20108X
	1200	400		R5CQE20124X
		500		R5CQE20125X
		600		R5CQE20126X
		800		R5CQE20128X
2200	600	300		R5CQE2263X
		400		R5CQE2264X
		500		R5CQE2265X
		600		R5CQE2266X
		800		R5CQE2268X
	800	300		R5CQE2283X
		400		R5CQE2284X
		500		R5CQE2285X
		600		R5CQE2286X
		800		R5CQE2288X
	1000	400		R5CQE22104X
		500		R5CQE22105X
		600		R5CQE22106X
		800		R5CQE22108X
	1200	400		R5CQE22124X
		500		R5CQE22125X
		600		R5CQE22126X
		800		R5CQE22128X

CQE Modular Enclosures with Screen-Printed Glazed Door



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

DOOR

20/10 thick steel, painted textured RAL 7035, with rounded safety edges. 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm. 40/10 thick safety screen-printed smoked glass.

Impact resistance degree as per IEC EN 62208; EN50102: IK09

COMPOSITION

Structure, roof, base, bottom, rear panel and screen-printed glazed door.

Dimensions, mm			Protection degree	Code
Height, H	Width, L	Depth, P		
1600	600	400	IP55	R5CQE1664V
		500		R5CQE1665V
		600		R5CQE1666V
	800	400		R5CQE1684V
		500		R5CQE1685V
		600		R5CQE1686V
1800	600	300		R5CQE1863V
		400		R5CQE1864V
		500		R5CQE1865V
		600		R5CQE1866V
		800		R5CQE1868V
	800	300		R5CQE1883V
		400		R5CQE1884V
		500		R5CQE1885V
		600		R5CQE1886V
		800		R5CQE1888V
		2000		600
400	R5CQE2064V			
500	R5CQE2065V			
600	R5CQE2066V			
800	R5CQE2068V			
800	300			R5CQE2083V
	400			R5CQE2084V
	500			R5CQE2085V
	600			R5CQE2086V
	800			R5CQE2088V

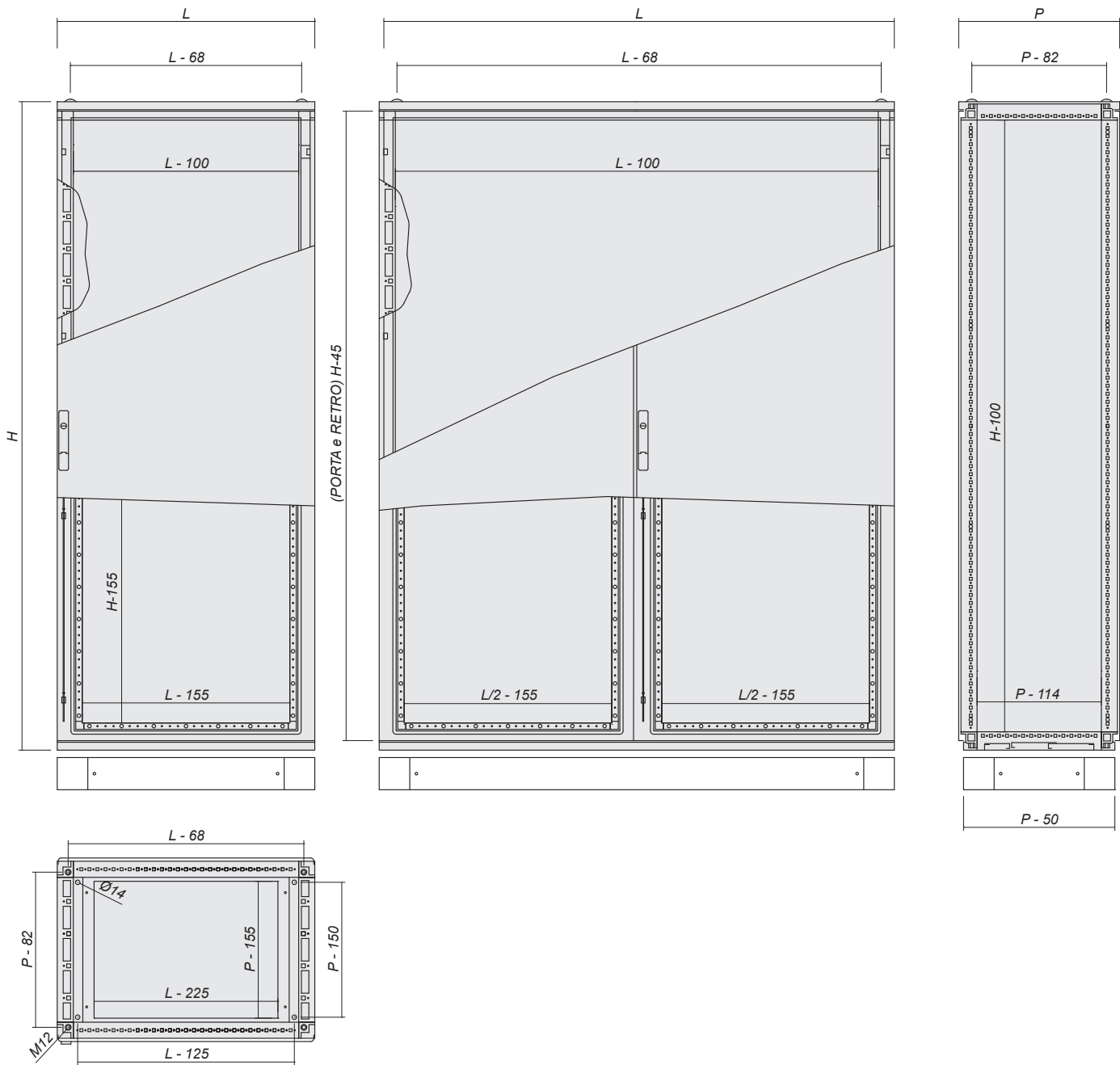
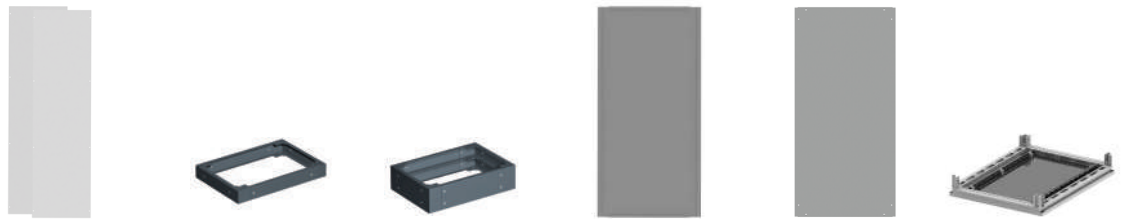
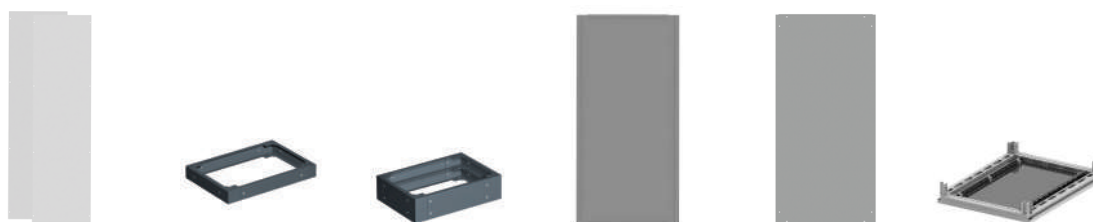


Table of completion accessories


Dimension			Side panels	Plinth height 100 mm	Plinth height 200 mm	Mounting panel	Side entry mounting panel	Solid bottom
H	L	P						
1400	600	400	R5LE1442	R1ZE641	R1ZE642	RZPCE1460	-	RZFUC64
		500	R5LE1452	R1ZE651	R1ZE652	RZPCE1460	-	RZFUC65
	800	400	R5LE1442	R1ZE841	R1ZE842	RZPCE1480	-	RZFUC84
		500	R5LE1452	R1ZE851	R1ZE852	RZPCE1480	-	RZFUC85
	1200	400	R5LE1442	R1ZE1241	R1ZE1242	RZPCE14120	-	-
		500	R5LE1452	R1ZE1251	R1ZE1252	RZPCE14120	-	-
	1600	400	R5LE1442	R1ZE1641	R1ZE1642	RZPCE14160	-	-
		500	R5LE1452	R1ZE1651	R1ZE1652	RZPCE14160	-	-
1600	400	400	R5LE1642	R1ZE441	R1ZE442	RZPCE1640	-	RZFUC44
		500	R5LE1652	R1ZE451	R1ZE452	RZPCE1640	-	RZFUC45
		600	R5LE1662	R1ZE641	R1ZE642	RZPCE1640	-	RZFUC46
	600	400	R5LE1642	R1ZE641	R1ZE642	RZPCE1660	RZPCSE1660	RZFUC64
		500	R5LE1652	R1ZE651	R1ZE652	RZPCE1660	RZPCSE1660	RZFUC65
		600	R5LE1662	R1ZE661	R1ZE662	RZPCE1660	RZPCSE1660	RZFUC66
	800	400	R5LE1642	R1ZE841	R1ZE842	RZPCE1680	RZPCSE1680	RZFUC84
		500	R5LE1652	R1ZE851	R1ZE852	RZPCE1680	RZPCSE1680	RZFUC85
		600	R5LE1662	R1ZE861	R1ZE862	RZPCE1680	RZPCSE1680	RZFUC86
	1000	400	R5LE1642	R1ZE1041	R1ZE1042	RZPCE16100	RZPCSE16100	RZFUC104
		500	R5LE1652	R1ZE1051	R1ZE1052	RZPCE16100	RZPCSE16100	RZFUC105
		600	R5LE1662	R1ZE1061	R1ZE1062	RZPCE16100	RZPCSE16100	RZFUC106
	1200	400	R5LE1642	R1ZE1241	R1ZE1242	RZPCE16120	RZPCSE16120	-
		500	R5LE1652	R1ZE1251	R1ZE1252	RZPCE16120	RZPCSE16120	-
		600	R5LE1662	R1ZE1261	R1ZE1262	RZPCE16120	RZPCSE16120	-

□ Codes nearing obsolescence. For new plinth references, see page 97-98

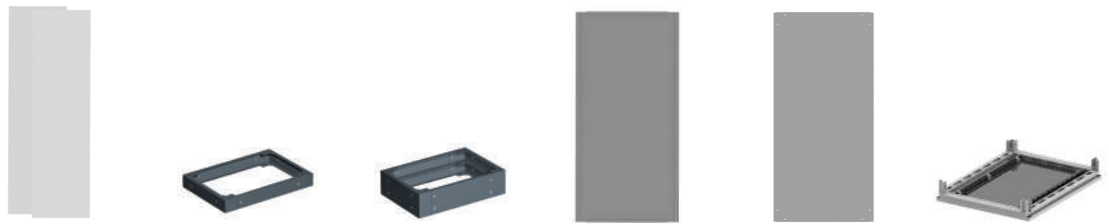
Table of completion accessories



Dimension			Side panels	Plinth height 100 mm	Plinth height 200 mm	Mounting panel	Side entry mounting panel	Solid bottom
H	L	P						
1800	300	300	R5LE1832	R1ZE331	R1ZE332	RZPCE1830	-	-
		400	R5LE1842	R1ZE341	R1ZE342	RZPCE1830	-	-
		500	R5LE1852	R1ZE351	R1ZE352	RZPCE1830	-	-
		600	R5LE1862	R1ZE361	R1ZE362	RZPCE1830	-	-
		800	R5LE1882	R1ZE381	R1ZE382	RZPCE1830	-	-
	400	300	R5LE1832	R1ZE431	R1ZE432	RZPCE1840	-	-
		400	R5LE1842	R1ZE441	R1ZE442	RZPCE1840	-	RZFUC44
		500	R5LE1852	R1ZE451	R1ZE452	RZPCE1840	-	RZFUC45
		600	R5LE1862	R1ZE641	R1ZE642	RZPCE1840	-	RZFUC46
		800	R5LE1882	R1ZE841	R1ZE842	RZPCE1840	-	RZFUC48
	600	300	R5LE1832	R1ZE631	R1ZE632	RZPCE1860	RZPCSE1860	RZFUC63
		400	R5LE1842	R1ZE641	R1ZE642	RZPCE1860	RZPCSE1860	RZFUC64
		500	R5LE1852	R1ZE651	R1ZE652	RZPCE1860	RZPCSE1860	RZFUC65
		600	R5LE1862	R1ZE661	R1ZE662	RZPCE1860	RZPCSE1860	RZFUC66
		800	R5LE1882	R1ZE861	R1ZE862	RZPCE1860	RZPCSE1860	RZFUC68
	800	300	R5LE1832	R1ZE831	R1ZE832	RZPCE1880	RZPCSE1880	RZFUC83
		400	R5LE1842	R1ZE841	R1ZE842	RZPCE1880	RZPCSE1880	RZFUC84
		500	R5LE1852	R1ZE851	R1ZE852	RZPCE1880	RZPCSE1880	RZFUC85
		600	R5LE1862	R1ZE861	R1ZE862	RZPCE1880	RZPCSE1880	RZFUC86
		800	R5LE1882	R1ZE881	R1ZE882	RZPCE1880	RZPCSE1880	RZFUC88
	1000	400	R5LE1842	R1ZE1041	R1ZE1042	RZPCE18100	RZPCSE18100	RZFUC104
		500	R5LE1852	R1ZE1051	R1ZE1052	RZPCE18100	RZPCSE18100	RZFUC105
		600	R5LE1862	R1ZE1061	R1ZE1062	RZPCE18100	RZPCSE18100	RZFUC106
		800	R5LE1882	R1ZE1081	R1ZE1082	RZPCE18100	RZPCSE18100	RZFUC108
	1200	400	R5LE1842	R1ZE1241	R1ZE1242	RZPCE18120	RZPCSE18120	-
		500	R5LE1852	R1ZE1251	R1ZE1252	RZPCE18120	RZPCSE18120	-
		600	R5LE1862	R1ZE1261	R1ZE1262	RZPCE18120	RZPCSE18120	-
		800	R5LE1882	R1ZE1281	R1ZE1282	RZPCE18120	RZPCSE18120	-

□ Codes nearing obsolescence. For new plinth references, see page 97-98

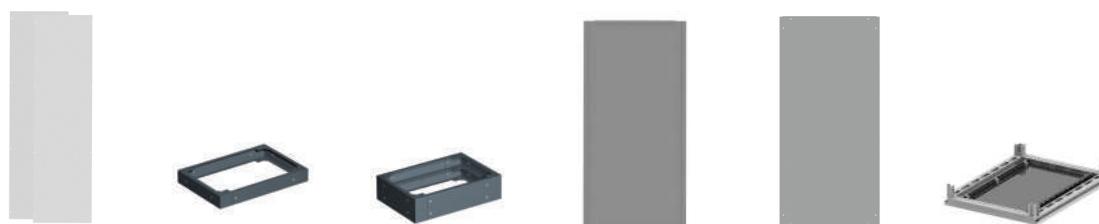
Table of completion accessories



Dimension			Side panels	Plinth height 100 mm	Plinth height 200 mm	Mounting panel	Side entry mounting panel	Solid bottom
H	L	P						
2000	300	300	R5LE2032	R1ZE331	R1ZE332	RZPCE2030	-	-
		400	R5LE2042	R1ZE341	R1ZE342	RZPCE2030	-	-
		500	R5LE2052	R1ZE351	R1ZE352	RZPCE2030	-	-
		600	R5LE2062	R1ZE361	R1ZE362	RZPCE2030	-	-
		800	R5LE2082	R1ZE381	R1ZE382	RZPCE2030	-	-
	400	300	R5LE2032	R1ZE431	R1ZE432	RZPCE2040	-	-
		400	R5LE2042	R1ZE441	R1ZE442	RZPCE2040	-	RZFUC44
		500	R5LE2052	R1ZE451	R1ZE452	RZPCE2040	-	RZFUC45
		600	R5LE2062	R1ZE641	R1ZE642	RZPCE2040	-	RZFUC46
		800	R5LE2082	R1ZE841	R1ZE842	RZPCE2040	-	RZFUC48
	600	300	R5LE2032	R1ZE631	R1ZE632	RZPCE2060	RZPCSE2060	RZFUC63
		400	R5LE2042	R1ZE641	R1ZE642	RZPCE2060	RZPCSE2060	RZFUC64
		500	R5LE2052	R1ZE651	R1ZE652	RZPCE2060	RZPCSE2060	RZFUC65
		600	R5LE2062	R1ZE661	R1ZE662	RZPCE2060	RZPCSE2060	RZFUC66
		800	R5LE2082	R1ZE861	R1ZE862	RZPCE2060	RZPCSE2060	RZFUC68
	800	300	R5LE2032	R1ZE831	R1ZE832	RZPCE2080	RZPCSE2080	RZFUC83
		400	R5LE2042	R1ZE841	R1ZE842	RZPCE2080	RZPCSE2080	RZFUC84
		500	R5LE2052	R1ZE851	R1ZE852	RZPCE2080	RZPCSE2080	RZFUC85
		600	R5LE2062	R1ZE861	R1ZE862	RZPCE2080	RZPCSE2080	RZFUC86
		800	R5LE2082	R1ZE881	R1ZE882	RZPCE2080	RZPCSE2080	RZFUC88
	1000	400	R5LE2042	R1ZE1041	R1ZE1042	RZPCE20100	RZPCSE20100	RZFUC104
		500	R5LE2052	R1ZE1051	R1ZE1052	RZPCE20100	RZPCSE20100	RZFUC105
		600	R5LE2062	R1ZE1061	R1ZE1062	RZPCE20100	RZPCSE20100	RZFUC106
		800	R5LE2082	R1ZE1081	R1ZE1082	RZPCE20100	RZPCSE20100	RZFUC108
	1200	400	R5LE2042	R1ZE1241	R1ZE1242	RZPCE20120	RZPCSE20120	-
		500	R5LE2052	R1ZE1251	R1ZE1252	RZPCE20120	RZPCSE20120	-
		600	R5LE2062	R1ZE1261	R1ZE1262	RZPCE20120	RZPCSE20120	-
		800	R5LE2082	R1ZE1281	R1ZE1282	RZPCE20120	RZPCSE20120	-
	1400	400	R5LE2042	R1ZE1441	R1ZE1442	RZPCE20140	RZPCSE20140	-
		500	R5LE2052	R1ZE1451	R1ZE1452	RZPCE20140	RZPCSE20140	-
		600	R5LE2062	R1ZE1461	R1ZE1462	RZPCE20140	RZPCSE20140	-
		800	R5LE2082	R1ZE1481	R1ZE1482	RZPCE20140	RZPCSE20140	-
	1600	400	R5LE2042	R1ZE1641	R1ZE1642	RZPCE20160	RZPCSE20160	-
		500	R5LE2052	R1ZE1651	R1ZE1652	RZPCE20160	RZPCSE20160	-
		600	R5LE2062	R1ZE1661	R1ZE1662	RZPCE20160	RZPCSE20160	-
		800	R5LE2082	R1ZE1681	R1ZE1682	RZPCE20160	RZPCSE20160	-

❑ Codes nearing obsolescence. For new plinth references, see page 97-98

Table of completion accessories



Dimension			Side panels	Plinth height 100 mm	Plinth height 200 mm	Mounting panel	Side entry mounting panel	Solid bottom
H	L	P						
2200	300	300	R5LE2232	R1ZE331	R1ZE332	RZPCE2230	-	-
		400	R5LE2242	R1ZE341	R1ZE342	RZPCE2230	-	-
		500	R5LE2252	R1ZE351	R1ZE352	RZPCE2230	-	-
		600	R5LE2262	R1ZE361	R1ZE362	RZPCE2230	-	-
		800	R5LE2282	R1ZE381	R1ZE382	RZPCE2230	-	-
	400	300	R5LE2232	R1ZE431	R1ZE432	RZPCE2240	-	-
		400	R5LE2242	R1ZE441	R1ZE442	RZPCE2240	-	RZFUC44
		500	R5LE2252	R1ZE451	R1ZE452	RZPCE2240	-	RZFUC45
		600	R5LE2262	R1ZE641	R1ZE642	RZPCE2240	-	RZFUC46
		800	R5LE2282	R1ZE841	R1ZE842	RZPCE2240	-	RZFUC48
	600	300	R5LE2232	R1ZE631	R1ZE632	RZPCE2260	RZPCSE2260	RZFUC63
		400	R5LE2242	R1ZE641	R1ZE642	RZPCE2260	RZPCSE2260	RZFUC64
		500	R5LE2252	R1ZE651	R1ZE652	RZPCE2260	RZPCSE2260	RZFUC65
		600	R5LE2262	R1ZE661	R1ZE662	RZPCE2260	RZPCSE2260	RZFUC66
		800	R5LE2282	R1ZE861	R1ZE862	RZPCE2260	RZPCSE2260	RZFUC68
	800	300	R5LE2232	R1ZE831	R1ZE832	RZPCE2280	RZPCSE2280	RZFUC83
		400	R5LE2242	R1ZE841	R1ZE842	RZPCE2280	RZPCSE2280	RZFUC84
		500	R5LE2252	R1ZE851	R1ZE852	RZPCE2280	RZPCSE2280	RZFUC85
		600	R5LE2262	R1ZE861	R1ZE862	RZPCE2280	RZPCSE2280	RZFUC86
		800	R5LE2282	R1ZE881	R1ZE882	RZPCE2280	RZPCSE2280	RZFUC88
	1000	400	R5LE2242	R1ZE1041	R1ZE1042	RZPCE22100	RZPCSE22100	RZFUC104
		500	R5LE2252	R1ZE1051	R1ZE1052	RZPCE22100	RZPCSE22100	RZFUC105
		600	R5LE2262	R1ZE1061	R1ZE1062	RZPCE22100	RZPCSE22100	RZFUC106
		800	R5LE2282	R1ZE1081	R1ZE1082	RZPCE22100	RZPCSE22100	RZFUC108
	1200	400	R5LE2242	R1ZE1241	R1ZE1242	RZPCE22120	RZPCSE22120	-
		500	R5LE2252	R1ZE1251	R1ZE1252	RZPCE22120	RZPCSE22120	-
		600	R5LE2262	R1ZE1261	R1ZE1262	RZPCE22120	RZPCSE22120	-
		800	R5LE2282	R1ZE1281	R1ZE1282	RZPCE22120	RZPCSE22120	-

❑ Codes nearing obsolescence. For new plinth references, see page 97-98

Table of completion accessories



Dimension			Side door	Glazed door	Internal door	Rack 19"	Side rails	Front rails
H	L	P						
1400	600	400	-	R5CPTE1460	R5PIE1460	-	RZPDL400	RZPDF600
		500	-	R5CPTE1460	R5PIE1460	-	RZPDL500	RZPDF600
	800	400	-	R5CPTE1480	R5PIE1480	-	RZPDL400	RZPDF800
		500	-	R5CPTE1480	R5PIE1480	-	RZPDL500	RZPDF800
	1200	400	-	-	-	-	RZPDL400	RZPDF1200
		500	-	-	-	-	RZPDL500	RZPDF1200
	1600	400	-	-	-	-	RZPDL400	RZPDF1600
		500	-	-	-	-	RZPDL500	RZPDF1600
	400	400	-	-	-	-	RZPDL400	RZPDF400
		500	-	-	-	-	RZPDL500	RZPDF400
		600	-	-	-	-	RZPDL600	RZPDF400
1600	600	400	-	R5CPTE1660	R5PIE1660	R5TIE1660	RZPDL400	RZPDF600
		500	-	R5CPTE1660	R5PIE1660	R5TIE1660	RZPDL500	RZPDF600
		600	-	R5CPTE1660	R5PIE1660	R5TIE1660	RZPDL600	RZPDF600
	800	400	-	R5CPTE1680	R5PIE1680	R5TIE1680	RZPDL400	RZPDF800
		500	-	R5CPTE1680	R5PIE1680	R5TIE1680	RZPDL500	RZPDF800
		600	-	R5CPTE1680	R5PIE1680	R5TIE1680	RZPDL600	RZPDF800
	1000	400	-	R5CPTE16100	R5PIE16100	R5TIE16100	RZPDL400	RZPDF1000
		500	-	R5CPTE16100	R5PIE16100	R5TIE16100	RZPDL500	RZPDF1000
		600	-	R5CPTE16100	R5PIE16100	R5TIE16100	RZPDL600	RZPDF1000
	1200	400	-	-	-	-	RZPDL400	RZPDF1200
		500	-	-	-	-	RZPDL500	RZPDF1200
		600	-	-	-	-	RZPDL600	RZPDF1200

Table of completion accessories



Dimension			Side door	Glazed door	Internal door	Rack 19"	Side rails	Front rails
H	L	P						
1800	300	300	-	-	-	-	-	-
		400	-	-	-	-	RZPDL400	-
		500	R5CPLE1850	-	-	-	RZPDL500	-
		600	R5CPLE1860	-	-	-	RZPDL600	-
		800	R5CPLE1880	-	-	-	RZPDL800	-
	400	300	-	-	-	-	-	RZPDF400
		400	-	-	-	-	RZPDL400	RZPDF400
		500	R5CPLE1850	-	-	-	RZPDL500	RZPDF400
		600	R5CPLE1860	-	-	-	RZPDL600	RZPDF400
		800	R5CPLE1880	-	-	-	RZPDL800	RZPDF400
	600	300	-	R5CPTE1860	R5PIE1860	R5TIE1860	-	RZPDF600
		400	-	R5CPTE1860	R5PIE1860	R5TIE1860	RZPDL400	RZPDF600
		500	R5CPLE1850	R5CPTE1860	R5PIE1860	R5TIE1860	RZPDL500	RZPDF600
		600	R5CPLE1860	R5CPTE1860	R5PIE1860	R5TIE1860	RZPDL600	RZPDF600
		800	R5CPLE1880	R5CPTE1860	R5PIE1860	R5TIE1860	RZPDL800	RZPDF600
	800	300	-	R5CPTE1880	R5PIE1880	R5TIE1880	-	RZPDF800
		400	-	R5CPTE1880	R5PIE1880	R5TIE1880	RZPDL400	RZPDF800
		500	R5CPLE1850	R5CPTE1880	R5PIE1880	R5TIE1880	RZPDL500	RZPDF800
		600	R5CPLE1860	R5CPTE1880	R5PIE1880	R5TIE1880	RZPDL600	RZPDF800
		800	R5CPLE1880	R5CPTE1880	R5PIE1880	R5TIE1880	RZPDL800	RZPDF800
	1000	400	-	R5CPTE18100	R5PIE18100	R5TIE18100	RZPDL400	RZPDF1000
		500	R5CPLE1850	R5CPTE18100	R5PIE18100	R5TIE18100	RZPDL500	RZPDF1000
		600	R5CPLE1860	R5CPTE18100	R5PIE18100	R5TIE18100	RZPDL600	RZPDF1000
		800	R5CPLE1880	R5CPTE18100	R5PIE18100	R5TIE18100	RZPDL800	RZPDF1000
	1200	400	-	R5CPTE18120	R5PIE18120	-	RZPDL400	RZPDF1200
		500	R5CPLE1850	R5CPTE18120	R5PIE18120	-	RZPDL500	RZPDF1200
		600	R5CPLE1860	R5CPTE18120	R5PIE18120	-	RZPDL600	RZPDF1200
		800	R5CPLE1880	R5CPTE18120	R5PIE18120	-	RZPDL800	RZPDF1200

Table of completion accessories



Dimension			Side door	Glazed door	Internal door	Rack 19"	Side rails	Front rails
H	L	P						
2000	300	300	-	-	-	-	-	-
		400	-	-	-	-	RZPDL400	-
		500	R5CPLE2050	-	-	-	RZPDL500	-
		600	R5CPLE2060	-	-	-	RZPDL600	-
		800	R5CPLE2080	-	-	-	RZPDL800	-
	400	300	-	-	-	-	-	RZPDF400
		400	-	-	-	-	RZPDL400	RZPDF400
		500	R5CPLE2050	-	-	-	RZPDL500	RZPDF400
		600	R5CPLE2060	-	-	-	RZPDL600	RZPDF400
		800	R5CPLE2080	-	-	-	RZPDL800	RZPDF400
	600	300	-	-	R5PIE2060	R5TIE2060	-	RZPDF600
		400	-	R5CPTE2060	R5PIE2060	R5TIE2060	RZPDL400	RZPDF600
		500	R5CPLE2050	R5CPTE2060	R5PIE2060	R5TIE2060	RZPDL500	RZPDF600
		600	R5CPLE2060	R5CPTE2060	R5PIE2060	R5TIE2060	RZPDL600	RZPDF600
		800	R5CPLE2080	R5CPTE2060	R5PIE2060	R5TIE2060	RZPDL800	RZPDF600
	800	300	-	-	R5PIE2080	R5TIE2080	-	RZPDF800
		400	-	R5CPTE2080	R5PIE2080	R5TIE2080	RZPDL400	RZPDF800
		500	R5CPLE2050	R5CPTE2080	R5PIE2080	R5TIE2080	RZPDL500	RZPDF800
		600	R5CPLE2060	R5CPTE2080	R5PIE2080	R5TIE2080	RZPDL600	RZPDF800
		800	R5CPLE2080	R5CPTE2080	R5PIE2080	R5TIE2080	RZPDL800	RZPDF800
	1000	400	-	R5CPTE20100	R5PIE20100	R5TIE20100	RZPDL400	RZPDF1000
		500	R5CPLE2050	R5CPTE20100	R5PIE20100	R5TIE20100	RZPDL500	RZPDF1000
		600	R5CPLE2060	R5CPTE20100	R5PIE20100	R5TIE20100	RZPDL600	RZPDF1000
		800	R5CPLE2080	R5CPTE20100	R5PIE20100	R5TIE20100	RZPDL800	RZPDF1000
	1200	400	-	R5CPTE20120	R5PIE20120	-	RZPDL400	RZPDF1200
		500	R5CPLE2050	R5CPTE20120	R5PIE20120	-	RZPDL500	RZPDF1200
		600	R5CPLE2060	R5CPTE20120	R5PIE20120	-	RZPDL600	RZPDF1200
		800	R5CPLE2080	R5CPTE20120	R5PIE20120	-	RZPDL800	RZPDF1200
	1400	400	-	-	-	-	RZPDL400	RZPDF1400
		500	R5CPLE2050	-	-	-	RZPDL500	RZPDF1400
		600	R5CPLE2060	-	-	-	RZPDL600	RZPDF1400
		800	R5CPLE2080	-	-	-	RZPDL800	RZPDF1400
	1600	400	-	-	-	-	RZPDL400	RZPDF1600
		500	R5CPLE2050	-	-	-	RZPDL500	RZPDF1600
		600	R5CPLE2060	-	-	-	RZPDL600	RZPDF1600
		800	R5CPLE2080	-	-	-	RZPDL800	RZPDF1600

Table of completion accessories



Dimension			Side door	Glazed door	Internal door	Rack 19"	Side rails	Front rails
H	L	P						
2200	300	300	-	-	-	-	-	-
		400	-	-	-	-	RZPDL400	-
		500	R5CPLE2250	-	-	-	RZPDL500	-
		600	R5CPLE2260	-	-	-	RZPDL600	-
		800	R5CPLE2280	-	-	-	RZPDL800	-
	400	300	-	-	-	-	-	RZPDF400
		400	-	-	-	-	RZPDL400	RZPDF400
		500	R5CPLE2250	-	-	-	RZPDL500	RZPDF400
		600	R5CPLE2260	-	-	-	RZPDL600	RZPDF400
		800	R5CPLE2280	-	-	-	RZPDL800	RZPDF400
	600	300	-	R5CPT2260	R5PIE2260	R5TIE2260	-	RZPDF600
		400	-	R5CPT2260	R5PIE2260	R5TIE2260	RZPDL400	RZPDF600
		500	R5CPLE2250	R5CPT2260	R5PIE2260	R5TIE2260	RZPDL500	RZPDF600
		600	R5CPLE2260	R5CPT2260	R5PIE2260	R5TIE2260	RZPDL600	RZPDF600
		800	R5CPLE2280	R5CPT2260	R5PIE2260	R5TIE2260	RZPDL800	RZPDF600
	800	300	-	R5CPT2280	R5PIE2280	R5TIE2280	-	RZPDF800
		400	-	R5CPT2280	R5PIE2280	R5TIE2280	RZPDL400	RZPDF800
		500	R5CPLE2250	R5CPT2280	R5PIE2280	R5TIE2280	RZPDL500	RZPDF800
		600	R5CPLE2260	R5CPT2280	R5PIE2280	R5TIE2280	RZPDL600	RZPDF800
		800	R5CPLE2280	R5CPT2280	R5PIE2280	R5TIE2280	RZPDL800	RZPDF800
	1000	400	-	R5CPT22100	R5PIE22100	R5TIE22100	RZPDL400	RZPDF1000
		500	R5CPLE2250	R5CPT22100	R5PIE22100	R5TIE22100	RZPDL500	RZPDF1000
		600	R5CPLE2260	R5CPT22100	R5PIE22100	R5TIE22100	RZPDL600	RZPDF1000
		800	R5CPLE2280	R5CPT22100	R5PIE22100	R5TIE22100	RZPDL800	RZPDF1000
	1200	400	-	R5CPT22120	R5PIE22120	-	RZPDL400	RZPDF1200
		500	R5CPLE2250	R5CPT22120	R5PIE22120	-	RZPDL500	RZPDF1200
		600	R5CPLE2260	R5CPT22120	R5PIE22120	-	RZPDL600	RZPDF1200
		800	R5CPLE2280	R5CPT22120	R5PIE22120	-	RZPDL800	RZPDF1200

Table of completion accessories



Dimension			Vertical rails	Side cross rail	Side internal cross rail	Front cross rail	Cable tie-down rail	Transformer support cross rail
H	L	P						
1400	600	400	RZPDV14	RZTLE400	RZPLE400	RZTFE600	RZPAC60	RZTTE600
		500	RZPDV14	RZTLE500	RZPLE500	RZTFE600	RZPAC60	RZTTE600
	800	400	RZPDV14	RZTLE400	RZPLE400	RZTFE800	RZPAC80	RZTTE800
		500	RZPDV14	RZTLE500	RZPLE500	RZTFE800	RZPAC80	RZTTE800
	1200	400	RZPDV14	RZTLE400	RZPLE400	RZTFE1200	RZPAC120	RZTTE1200
		500	RZPDV14	RZTLE500	RZPLE500	RZTFE1200	RZPAC120	RZTTE1200
	1600	400	RZPDV14	RZTLE400	RZPLE400	RZTFE1600	RZPAC160	RZTTE1600
		500	RZPDV14	RZTLE500	RZPLE500	RZTFE1600	RZPAC160	RZTTE1600
1600	400	400	RZPDV16	RZTLE400	RZPLE400	RZTFE400	RZPAC40	-
		500	RZPDV16	RZTLE500	RZPLE500	RZTFE400	RZPAC40	-
		600	RZPDV16	RZTLE600	RZPLE600	RZTFE400	RZPAC40	-
	600	400	RZPDV16	RZTLE400	RZPLE400	RZTFE600	RZPAC60	RZTTE600
		500	RZPDV16	RZTLE500	RZPLE500	RZTFE600	RZPAC60	RZTTE600
		600	RZPDV16	RZTLE600	RZPLE600	RZTFE600	RZPAC60	RZTTE600
	800	400	RZPDV16	RZTLE400	RZPLE400	RZTFE800	RZPAC80	RZTTE800
		500	RZPDV16	RZTLE500	RZPLE500	RZTFE800	RZPAC80	RZTTE800
		600	RZPDV16	RZTLE600	RZPLE600	RZTFE800	RZPAC80	RZTTE800
	1000	400	RZPDV16	RZTLE400	RZPLE400	RZTFE1000	RZPAC100	RZTTE1000
		500	RZPDV16	RZTLE500	RZPLE500	RZTFE1000	RZPAC100	RZTTE1000
		600	RZPDV16	RZTLE600	RZPLE600	RZTFE1000	RZPAC100	RZTTE1000
	1200	400	RZPDV16	RZTLE400	RZPLE400	RZTFE1200	RZPAC120	RZTTE1200
		500	RZPDV16	RZTLE500	RZPLE500	RZTFE1200	RZPAC120	RZTTE1200
		600	RZPDV16	RZTLE600	RZPLE600	RZTFE1200	RZPAC120	RZTTE1200

Table of completion accessories



Dimension			Vertical rails	Side cross rail	Side internal cross rail	Front cross rail	Cable tie-down rail	Transformer support cross rail
H	L	P						
1800	300	300	RZPDV18	-	-	-	-	-
		400	RZPDV18	RZTLE400	RZPLE400	-	-	-
		500	RZPDV18	RZTLE500	RZPLE500	-	-	-
		600	RZPDV18	RZTLE600	RZPLE600	-	-	-
		800	RZPDV18	RZTLE800	RZPLE800	-	-	-
	400	300	RZPDV18	-	-	RZTFE400	RZPAC40	-
		400	RZPDV18	RZTLE400	RZPLE400	RZTFE400	RZPAC40	-
		500	RZPDV18	RZTLE500	RZPLE500	RZTFE400	RZPAC40	-
		600	RZPDV18	RZTLE600	RZPLE600	RZTFE400	RZPAC40	-
		800	RZPDV18	RZTLE800	RZPLE800	RZTFE400	RZPAC40	-
	600	300	RZPDV18	-	-	RZTFE600	RZPAC60	RZTTE600
		400	RZPDV18	RZTLE400	RZPLE400	RZTFE600	RZPAC60	RZTTE600
		500	RZPDV18	RZTLE500	RZPLE500	RZTFE600	RZPAC60	RZTTE600
		600	RZPDV18	RZTLE600	RZPLE600	RZTFE600	RZPAC60	RZTTE600
		800	RZPDV18	RZTLE800	RZPLE800	RZTFE600	RZPAC60	RZTTE600
	800	300	RZPDV18	-	-	RZTFE800	RZPAC80	RZTTE800
		400	RZPDV18	RZTLE400	RZPLE400	RZTFE800	RZPAC80	RZTTE800
		500	RZPDV18	RZTLE500	RZPLE500	RZTFE800	RZPAC80	RZTTE800
		600	RZPDV18	RZTLE600	RZPLE600	RZTFE800	RZPAC80	RZTTE800
		800	RZPDV18	RZTLE800	RZPLE800	RZTFE800	RZPAC80	RZTTE800
	1000	400	RZPDV18	RZTLE400	RZPLE400	RZTFE1000	RZPAC100	RZTTE1000
		500	RZPDV18	RZTLE500	RZPLE500	RZTFE1000	RZPAC100	RZTTE1000
		600	RZPDV18	RZTLE600	RZPLE600	RZTFE1000	RZPAC100	RZTTE1000
		800	RZPDV18	RZTLE800	RZPLE800	RZTFE1000	RZPAC100	RZTTE1000
	1200	400	RZPDV18	RZTLE400	RZPLE400	RZTFE1200	RZPAC120	RZTTE1200
		500	RZPDV18	RZTLE500	RZPLE500	RZTFE1200	RZPAC120	RZTTE1200
		600	RZPDV18	RZTLE600	RZPLE600	RZTFE1200	RZPAC120	RZTTE1200
		800	RZPDV18	RZTLE800	RZPLE800	RZTFE1200	RZPAC120	RZTTE1200

Table of completion accessories



Dimension			Vertical rails	Side cross rail	Side internal cross rail	Front cross rail	Cable tie-down rail	Transformer support cross rail
H	L	P						
2000	300	300	RZPDV20	-	-	-	-	-
		400	RZPDV20	RZTLE400	RZPLE400	-	-	-
		500	RZPDV20	RZTLE500	RZPLE500	-	-	-
		600	RZPDV20	RZTLE600	RZPLE600	-	-	-
		800	RZPDV20	RZTLE800	RZPLE800	-	-	-
	400	300	RZPDV20	-	-	RZTFE400	RZPAC40	-
		400	RZPDV20	RZTLE400	RZPLE400	RZTFE400	RZPAC40	-
		500	RZPDV20	RZTLE500	RZPLE500	RZTFE400	RZPAC40	-
		600	RZPDV20	RZTLE600	RZPLE600	RZTFE400	RZPAC40	-
		800	RZPDV20	RZTLE800	RZPLE800	RZTFE400	RZPAC40	-
	600	300	RZPDV20	-	-	RZTFE600	RZPAC60	RZTTE600
		400	RZPDV20	RZTLE400	RZPLE400	RZTFE600	RZPAC60	RZTTE600
		500	RZPDV20	RZTLE500	RZPLE500	RZTFE600	RZPAC60	RZTTE600
		600	RZPDV20	RZTLE600	RZPLE600	RZTFE600	RZPAC60	RZTTE600
		800	RZPDV20	RZTLE800	RZPLE800	RZTFE600	RZPAC60	RZTTE600
	800	300	RZPDV20	-	-	RZTFE800	RZPAC80	RZTTE800
		400	RZPDV20	RZTLE400	RZPLE400	RZTFE800	RZPAC80	RZTTE800
		500	RZPDV20	RZTLE500	RZPLE500	RZTFE800	RZPAC80	RZTTE800
		600	RZPDV20	RZTLE600	RZPLE600	RZTFE800	RZPAC80	RZTTE800
		800	RZPDV20	RZTLE800	RZPLE800	RZTFE800	RZPAC80	RZTTE800
	1000	400	RZPDV20	RZTLE400	RZPLE400	RZTFE1000	RZPAC100	RZTTE1000
		500	RZPDV20	RZTLE500	RZPLE500	RZTFE1000	RZPAC100	RZTTE1000
		600	RZPDV20	RZTLE600	RZPLE600	RZTFE1000	RZPAC100	RZTTE1000
		800	RZPDV20	RZTLE800	RZPLE800	RZTFE1000	RZPAC100	RZTTE1000
	1200	400	RZPDV20	RZTLE400	RZPLE400	RZTFE1200	RZPAC120	RZTTE1200
		500	RZPDV20	RZTLE500	RZPLE500	RZTFE1200	RZPAC120	RZTTE1200
		600	RZPDV20	RZTLE600	RZPLE600	RZTFE1200	RZPAC120	RZTTE1200
		800	RZPDV20	RZTLE800	RZPLE800	RZTFE1200	RZPAC120	RZTTE1200
	1400	400	RZPDV20	RZTLE400	RZPLE400	RZTFE1400	RZPAC140	RZTTE1400
		500	RZPDV20	RZTLE500	RZPLE500	RZTFE1400	RZPAC140	RZTTE1400
		600	RZPDV20	RZTLE600	RZPLE600	RZTFE1400	RZPAC140	RZTTE1400
		800	RZPDV20	RZTLE800	RZPLE800	RZTFE1400	RZPAC140	RZTTE1400
	1600	400	RZPDV20	RZTLE400	RZPLE400	RZTFE1600	RZPAC160	RZTTE1600
		500	RZPDV20	RZTLE500	RZPLE500	RZTFE1600	RZPAC160	RZTTE1600
		600	RZPDV20	RZTLE600	RZPLE600	RZTFE1600	RZPAC160	RZTTE1600
		800	RZPDV20	RZTLE800	RZPLE800	RZTFE1600	RZPAC160	RZTTE1600

Table of completion accessories



Dimension			Vertical rails	Side cross rail	Side internal cross rail	Front cross rail	Cable tie-down rail	Transformer support cross rail
H	L	P						
2200	300	300	RZPDV22	-	-	-	-	-
		400	RZPDV22	RZTLE400	-	-	-	-
		500	RZPDV22	RZTLE500	RZPLE500	-	-	-
		600	RZPDV22	RZTLE600	RZPLE600	-	-	-
		800	RZPDV22	RZTLE800	RZPLE800	-	-	-
	400	300	RZPDV22	-	-	RZTFE400	RZPAC40	-
		400	RZPDV22	RZTLE400	-	RZTFE400	RZPAC40	-
		500	RZPDV22	RZTLE500	RZPLE500	RZTFE400	RZPAC40	-
		600	RZPDV22	RZTLE600	RZPLE600	RZTFE400	RZPAC40	-
		800	RZPDV22	RZTLE800	RZPLE800	RZTFE400	RZPAC40	-
	600	300	RZPDV22	-	-	RZTFE600	RZPAC60	RZTTE600
		400	RZPDV22	RZTLE400	-	RZTFE600	RZPAC60	RZTTE600
		500	RZPDV22	RZTLE500	RZPLE500	RZTFE600	RZPAC60	RZTTE600
		600	RZPDV22	RZTLE600	RZPLE600	RZTFE600	RZPAC60	RZTTE600
		800	RZPDV22	RZTLE800	RZPLE800	RZTFE600	RZPAC60	RZTTE600
	800	300	RZPDV22	-	-	RZTFE800	RZPAC80	RZTTE800
		400	RZPDV22	RZTLE400	-	RZTFE800	RZPAC80	RZTTE800
		500	RZPDV22	RZTLE500	RZPLE500	RZTFE800	RZPAC80	RZTTE800
		600	RZPDV22	RZTLE600	RZPLE600	RZTFE800	RZPAC80	RZTTE800
		800	RZPDV22	RZTLE800	RZPLE800	RZTFE800	RZPAC80	RZTTE800
	1000	400	RZPDV22	RZTLE400	-	RZTFE1000	RZPAC100	RZTTE1000
		500	RZPDV22	RZTLE500	RZPLE500	RZTFE1000	RZPAC100	RZTTE1000
		600	RZPDV22	RZTLE600	RZPLE600	RZTFE1000	RZPAC100	RZTTE1000
		800	RZPDV22	RZTLE800	RZPLE800	RZTFE1000	RZPAC100	RZTTE1000
	1200	400	RZPDV22	RZTLE400	-	RZTFE1200	RZPAC120	RZTTE1200
		500	RZPDV22	RZTLE500	RZPLE500	RZTFE1200	RZPAC120	RZTTE1200
		600	RZPDV22	RZTLE600	RZPLE600	RZTFE1200	RZPAC120	RZTTE1200
		800	RZPDV22	RZTLE800	RZPLE800	RZTFE1200	RZPAC120	RZTTE1200



CQEC Enclosures

CQEC PC enclosure	58
Accessories	60

CQEC PC Enclosure

CQEC PC enclosures deriving directly from CQE series enclosures have been conceived to meet the necessity to use computers in industrial environments though keeping a high protection degree (IP55 as per EN 60529/IEC EN 62208).

A full compatibility with CQE series enclosures and their components, such as doors, side panels, internal trays etc., permit a considerable reduction of stock cost. CQEC PC enclosures may be combined with our standard CQE enclosures.

CQEC PC enclosures line is constituted by 3 height options (1600, 1800 and 2000) with the only width (600) and two depth options (600 and 800), available with a glazed upper door or blank steel door.

The supply includes:

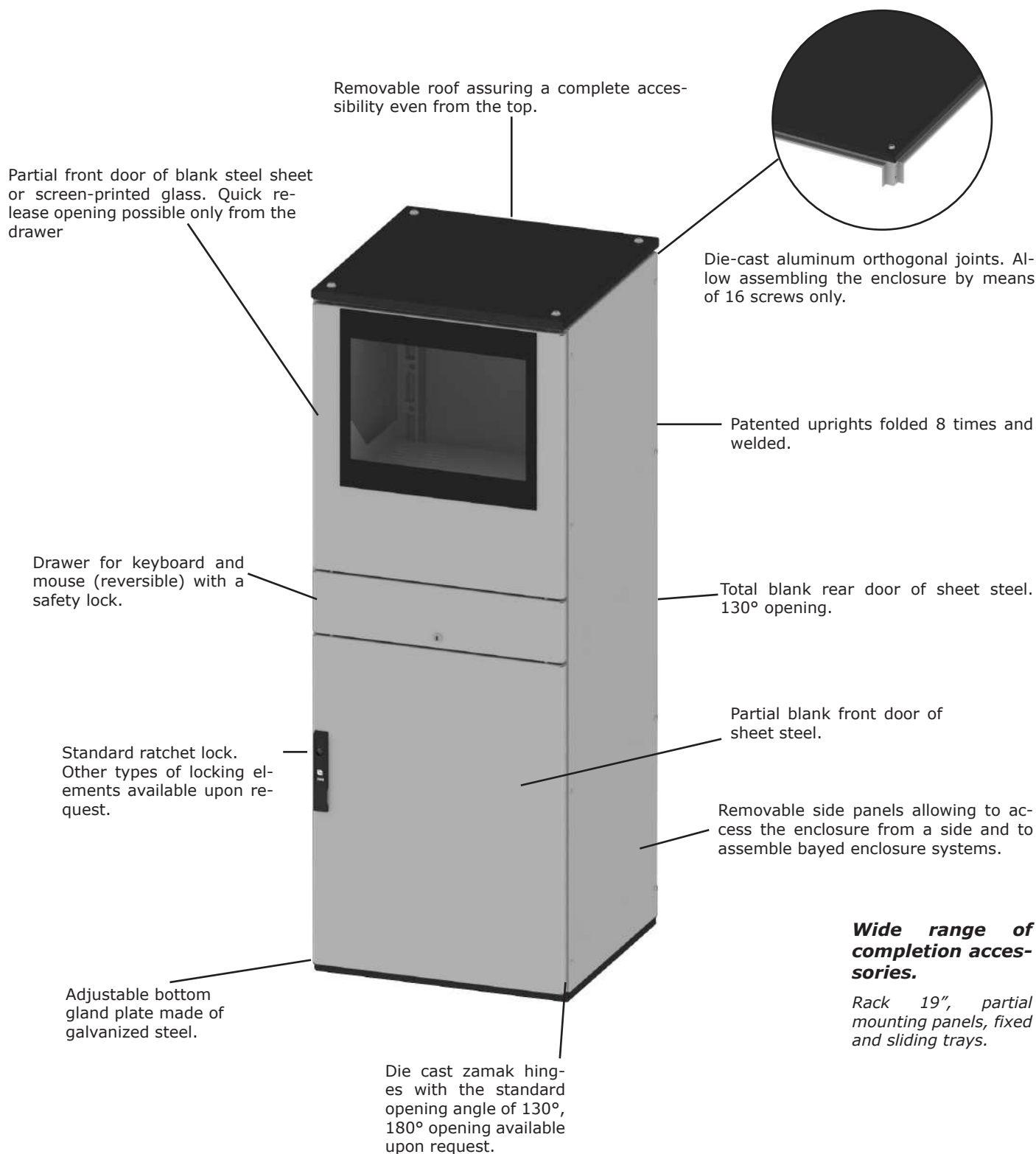
- structure assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035
- removable roof and base manufactured of 15/10 thick steel painted textured RAL 7011;
- upper partial blank door or glazed window door with safety screen-printed 4 mm thick glass; Ripiano porta monitor
- display support tray;
- lower partial door;
- single rear door

The lower part of the enclosure is prepared to accommodate a case and other peripheral devices, such as modems, printers, switches.

Furthermore the enclosure may be complete with:

- a pair of RACK 19" uprights – 16 HE for height 1600 and 18 HE for height 1800 – 2000;
- support fixed and sliding trays for instruments
- A mounting panel:
 - H600 mm (real H 570 for the 1600) RZPCE6600
 - H800 mm (real H 770 for the 1800-2000) RZPCE6800





Wide range of completion accessories.

Rack 19", partial mounting panels, fixed and sliding trays.

Conformity and approvals



Protection degree

- IP 55 according to IEC EN 62208; EN 60529
- The protection degree is guaranteed by a seal of two-component polyurethane foam
- Impact resistance degree IK10 as per IEC EN 62208; EN 50102 for the version with a blank door and IK09 as per IEC EN 62208; EN 50102 for the version with a glazed door.

CQEC PC Enclosure with screen-printed glazed door



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF and BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

UPPER DOOR

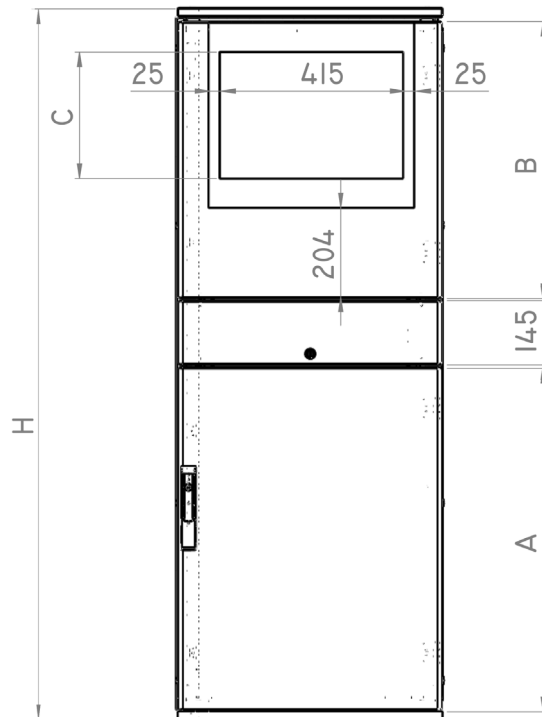
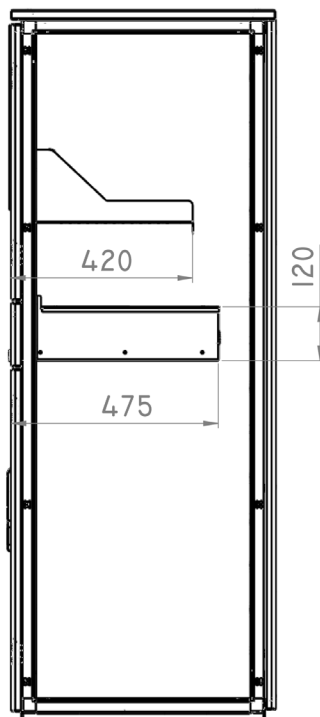
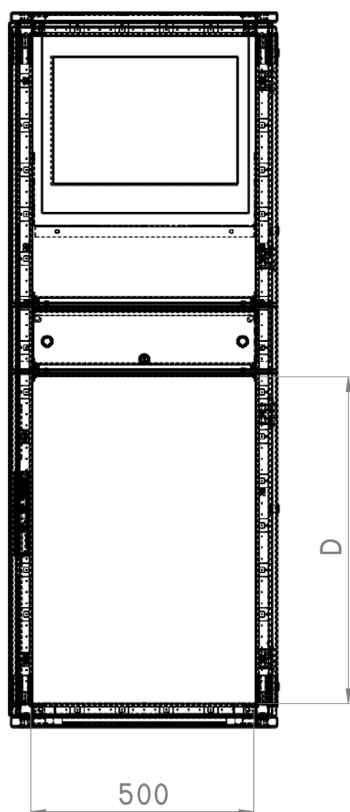
Provided with a glazed window protected by 4 mm thick screen-printed safety glass. The enclosure includes: display support tray, drawer for keyboard and mouse, lower door and rear door.

Mechanical resistance degree as per IEC EN 62208: IK09.

Protection degree: IP55.

N.B. IP55 protection degree is referred to enclosures complete with side panels.

Enclosure dimensions			Code	A	B	C	D
Height H	Width L	Depth P					
1600	600	600	R5CQEC1666	775	625	285	735
1600	600	800	R5CQEC1668	775	625	285	735
1800	600	600	R5CQEC1866	875	725	385	835
1800	600	800	R5CQEC1868	875	725	385	835
2000	600	600	R5CQEC2066	875	925	585	835
2000	600	800	R5CQEC2068	875	925	585	835



CQEC PC Enclosure with blank door



STRUCTURE
Assembled of a patented closed profile manufactured of 15/10 thick steel, painted textured RAL 7035.

ROOF and BASE
Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

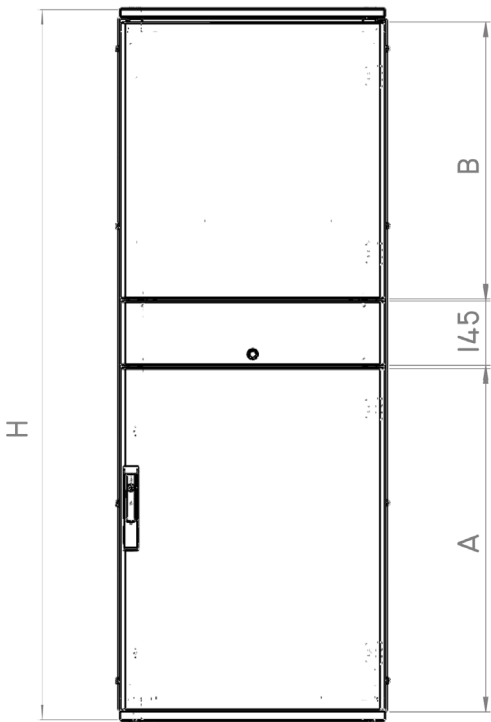
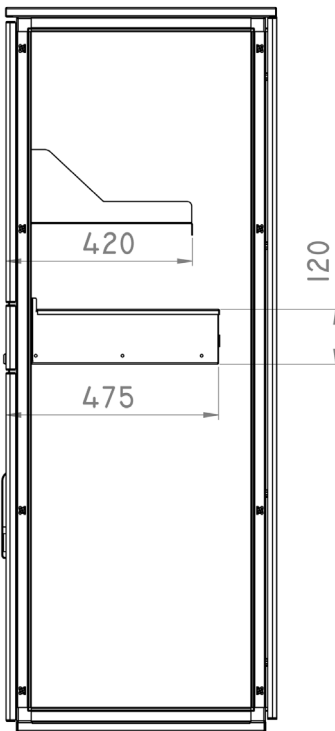
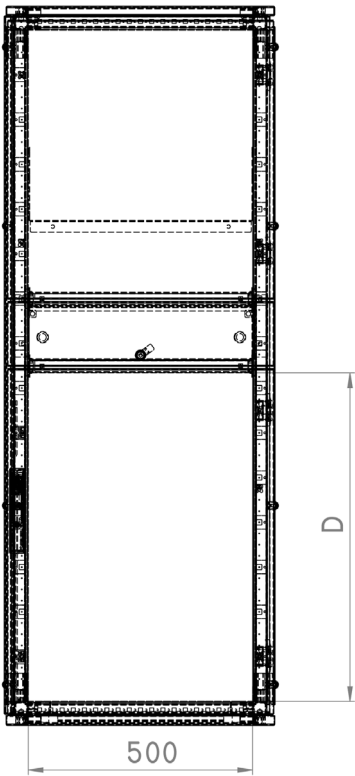
UPPER DOOR
Manufactured of blank sheet steel. The enclosure includes: display support tray, drawer for keyboard and mouse, lower door and rear door.

Mechanical resistance degree as per IEC EN 62208: IK10.

Protection degree: IP55.

N.B. IP55 protection degree is referred to enclosures complete with side panels.

Enclosure dimensions			Code	A	B	C	D
Height H	Width L	Depth P					
1600	600	600	R5CQEC1666P	775	625	285	735
1600	600	800	R5CQEC1668P	775	625	285	735
1800	600	600	R5CQEC1866P	875	725	385	835
1800	600	800	R5CQEC1868P	875	725	385	835
2000	600	600	R5CQEC2066P	875	925	585	835
2000	600	800	R5CQEC2068P	875	925	585	835



Accessories



Code	Side panels	Plinth H 100	Plinth H 200	Sliding tray	Fixed tray
R5CQEC1666/P	R5LE1662	R1ZE661	R1ZE662	R5RE660	R5RF660
R5CQEC1668/P	R5LE1682	R1ZE861	R1ZE862	R5RE680	R5RF680
R5CQEC1866/P	R5LE1862	R1ZE661	R1ZE662	R5RE660	R5RF660
R5CQEC1868/P	R5LE1882	R1ZE861	R1ZE862	R5RE680	R5RF680
R5CQEC2066/P	R5LE2062	R1ZE661	R1ZE662	R5RE660	R5RF660
R5CQEC2068/P	R5LE2082	R1ZE861	R1ZE862	R5RE680	R5RF680

Available for all the models: castors support (**R1A48** for enclosure depth 600 **R1A49** for depth 800), castors (**RZA41**) end lifting eye bolts (**RZA33**).
For further accessories, please, refer to the relative section.

Codes nearing obsolescence. For new plinth references, see page 97-98

Pair of RACK 19" uprights



Manufactured of 20/10 thick steel, painted textured RAL 7035.

Pair of 18 HE uprights for enclosure H 1800/2000

Code: **R5MRE9**

Pair of 16 HE uprights for enclosure H 1600

Code: **R5MRE8**

Fastening accessories are included.

In order to install the uprights it is necessary to use 1 pack of TLE depending on the depth (mounting only in the lower part).

Mounting panel



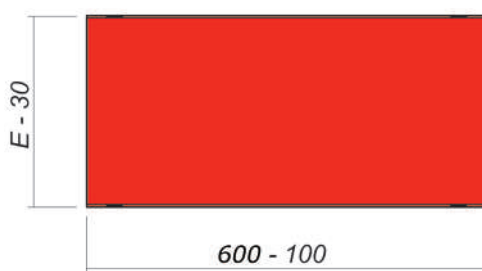
Manufactured of 20/10 thick galvanized steel.

Code: **RZPCE6600** for enclosures H 1600

Code: **RZPCE6800** for enclosures H 1800/2000

Fastening accessories are included.

In order to install the panel it is necessary to use 1 pack of TLE depending on the depth (mounting only in the lower part).



Code	E
RZPCE6600	600
RZPCE6800	800



CQEMC enclosure

CQEMC Enclosure	64
EMC Boxes	66

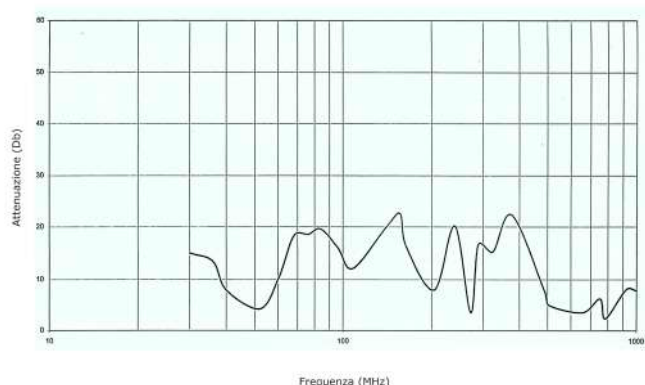
EMC

CQEMC enclosures deriving directly from CQE series permit a high EMC protection by virtue of the implemented design solutions: internal panel, door frame and bottom manufactured of Sendzimir galvanized carbon steel improve considerably the shielding effect of the casing. The measures taken during the cabling phase, such as the use of large size earthing cables and special conductive seals, assure an electrical contact between the components in addition to IP protection degree.

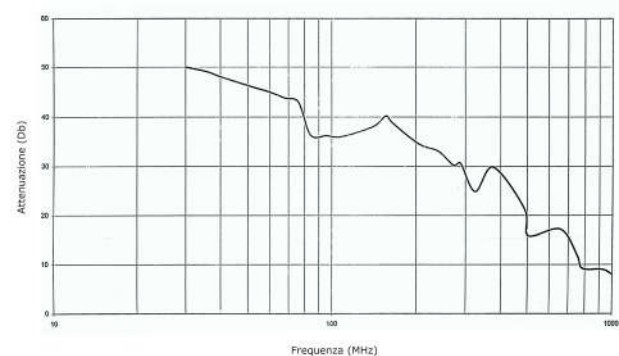
A high EMC shielding is obtained using Sendzimir galvanized carbon steel to manufacture the entire enclosure. Only those parts are painted, where the contact is not required. Special conductive seals of expanded neoprene assure the electrical contact between components in addition to IP protection degree.

The product range includes CE and CDE boxes in EMC versions for protection against electromagnetic interferences.

As per the Directive for Electromagnetic Compatibility only active devices and systems are subject to CE marking. Empty enclosures, being passive elements, are not subject to this regulation.

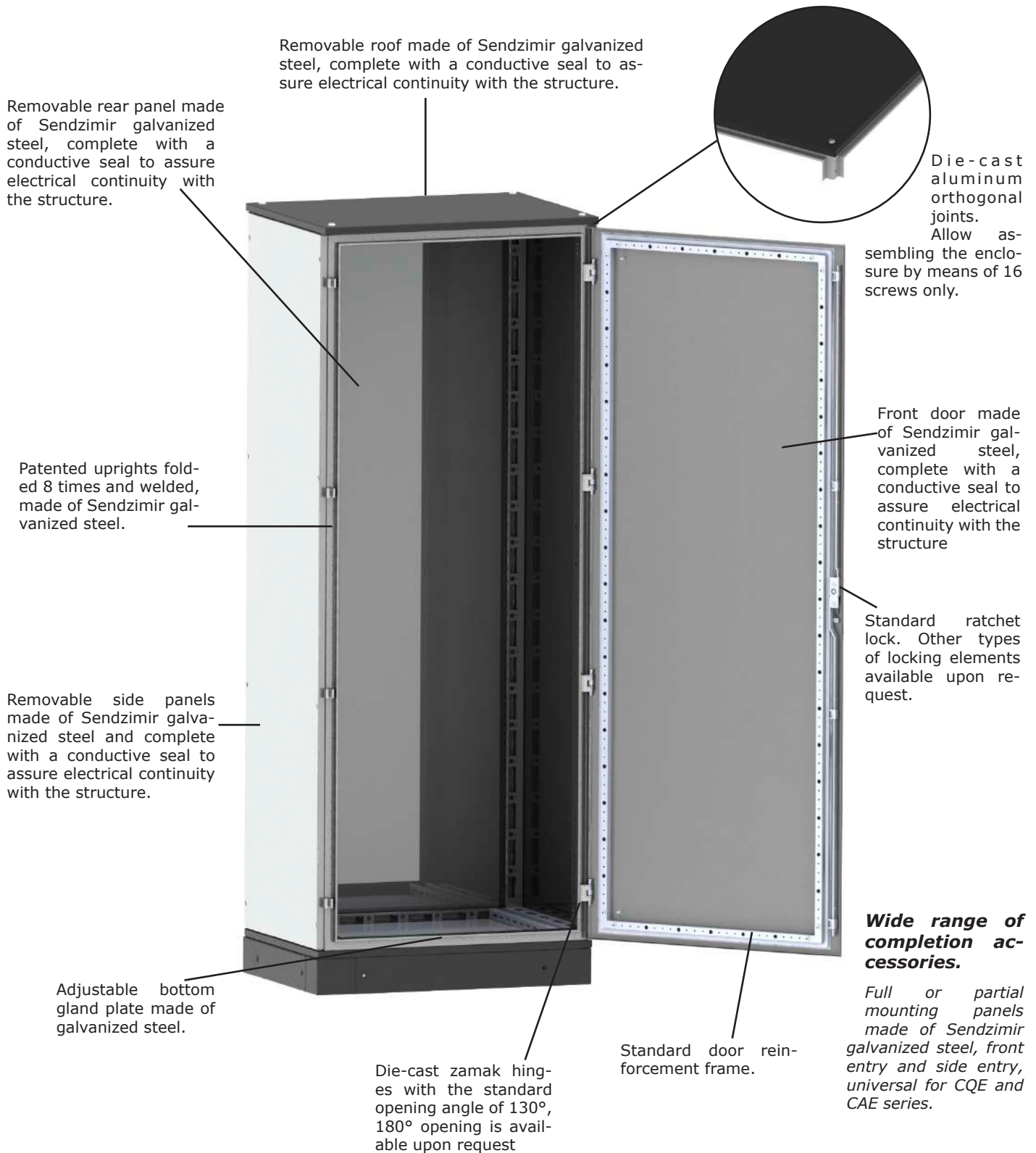


Standard enclosure



Shielded enclosure

The graphs have been obtained during the enclosures tests at NEMKO SPA accredited test laboratory

**N.B.**

In case of baying, a special baying kit is to be used

- In case of cable entry, EMC cable glands are to be used
- In case of ventilation, special EMC fan units are to be used.

Conformity and approvals



Protection degree

- IP 55 according to IEC EN 62208; EN 60529
- The protection degree is guaranteed by a seal of conductive material and neoprene core
- Impact resistance degree IK10 as per IEC EN 62208; EN 50102

EMC Enclosures



STRUCTURE

Assembled of a patented closed profile manufactured of 15/10 thick galvanized steel.

ROOF and BASE

Manufactured of 15/10 thick galvanized steel, painted outside and where a contact between the parts is not required (textured RAL 7011). The continuity between the structure and the base is guaranteed by a special conductive seal assuring the IP protection degree.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted outside and where a contact between the parts is not required (textured RAL 7035). The continuity between the structure and the rear panel is guaranteed by a special conductive seal assuring the IP protection degree.

DOOR

20/10 thick galvanized steel with rounded safety edges, painted outside and where a contact between the parts is not required (textured RAL 7035). The continuity between the structure and the door is guaranteed by a special conductive seal assuring the IP protection degree. The door is complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double bit lock insert Ø3 mm.

Impact resistance degree as per IEC EN 62208: IK10

COMPOSITION

Structure, roof, base, bottom, rear panel and door.

TO BE ORDERED SEPARATELY

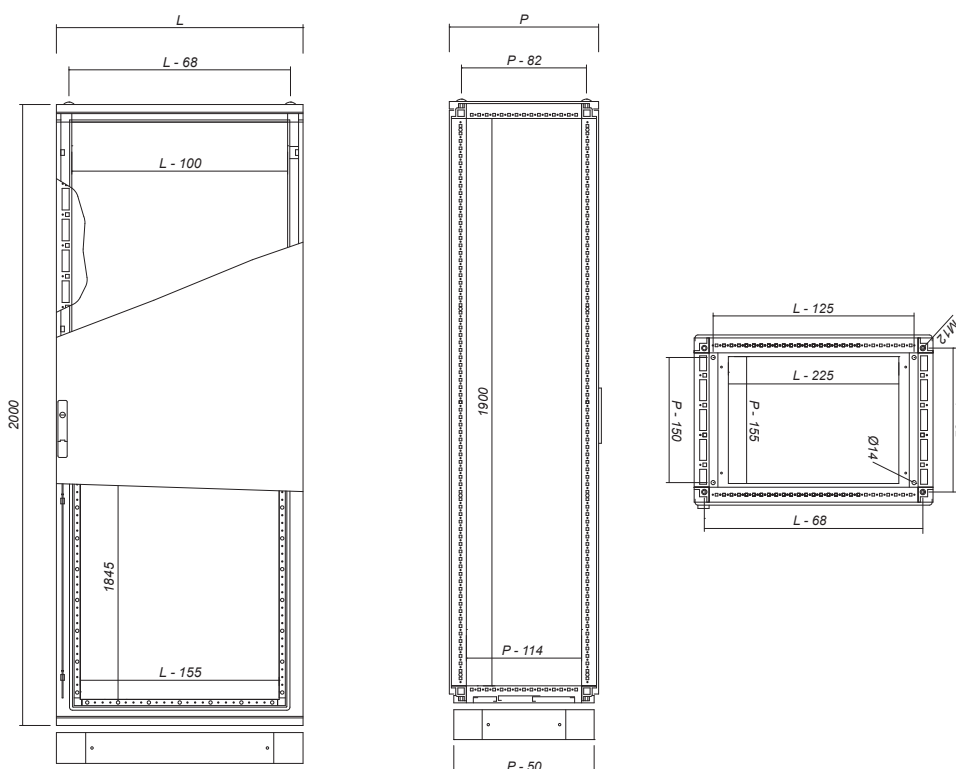
EMC side panels, plinth and standard mounting panel (see Accessories section)

PROTECTION DEGREE

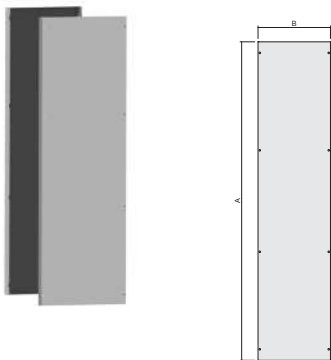
IP55 EN 60529/IEC EN 62208.

Dimension, mm			Code
H	L	P	
2000	600	600	R5CQEMC2066
	600	800	R5CQEMC2068
	800	600	R5CQEMC2086
	800	800	R5CQEMC2088

Other dimensions upon request



Side panels for EMC enclosure

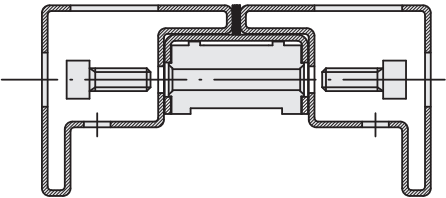


- Galvanized 15/10 thick steel painted outside (textured RAL 7035).
- 8 fastening points for mounting to the structure.
- The supply includes 2 pieces complete with mounting accessories.

EMC SHIELDED ENCLOSURES

Dimension, mm		Side dimensions, mm		Code
H	P	Height, A	Depth, B	
2000	600	1961	546	R5LEMC2062
	800	1961	746	R5LEMC2082

EMC baying kit



Code RZKEMC65

- The supply includes 8 spacers
- Adhesive conductive seal
- Complete with mounting accessories
- For particularly heavy systems it is recommended to a the reinforced baying kit: flat (code RZKRE65) or L-shaped (code RZKSRE65)

EMC Boxes


STRUCTURE

15/10 thick galvanized steel painted RAL 7035 outside only.

MOUNTING PANEL

20/10 thick galvanized steel

DOOR

Reversible, with a 3 mm metallic double-bit lock (two locks for boxes with the height from 500). Painted RAL 7035 outside only. The conductivity between the door and the box is assured by a conductive seal.

Impact resistance degree as per IEC EN 62208: IK10

CABLE GLAND PLATE

Placed at the bottom of the box, properly Dimensionsd in proportion to the box size. The conductivity is guaranteed by a special seal.

COMPOSITION

Structure, mounting panel, gland plate, bolting accessories

PROTECTION DEGREE

IP55 as per EN60529/IEC EN 62208.

Dimension			Code
Height, H	Width, L	Depth, P	
400	400	200	R5CEMC0442
600	400	200	R5CEMC0642
600	600	250	R5CEMC0669

EMC Junction Boxes


STRUCTURE

10/10 thick galvanized steel painted RAL 7035 outside only.

COVER

Galvanized steel painted RAL 7035 outside only. The conductivity between the cover and the box is assured by a conductive seal.

COMPOSITION

Structure, screwed cover, bolting accessories

PROTECTION DEGREE

IP55 as per EN60529/IEC EN 62208

Impact resistance degree as per IEC EN 62208: IK10

Dimension			Code
Height, H	Width, L	Depth, P	
300	300	120	R5CDEMC33120
500	300	120	R5CDEMC53120



CAE Welded Compact Enclosure

CAE Enclosure structure only	74
CAE Enclosure structure and rear ranel	76
CAE Enclosure structure, rear ranel and blank door	78
CAE Enclosure structure, rear ranel and glazed door	80
CAE Enclosure structure, rear ranel and screen-printed glazed door	82

CAE Welded Compact Enclosure

The **structure** of CAE enclosures is manufactured of 15/10 thick sheet steel with a continuous welding on the junctions. The edges folded many times impede the ingress of water, in case of its accidental accumulation thereon, and concur in the protection degree determination, since no cutting edges come in contact with the seals. The special conformation of the structure makes the enclosure particularly solid and endowed with a high mechanical resistance. The access grid is provided with alternate circle and square holes with a pitch of 25 mm allowing to mount accessories in a quick and easy manner. The bottom part of the enclosure has a sizable entry to be closed with three removable and interchangeable gland plates assuring an easy cable passage, which may be further perforated.

Doors are manufactured of 20/10 thick steel. Inside the door a frame perforated with 25 mm pitch is mounted that is easily removable in order to allow further operations, if necessary. In addition to reinforcing the door, this frame assures an easy anchoring for any type of application. The door may easily substitute a removable rear panel. Four die-cast zamak hinges invisible from outside provide an opening angle of 130 degrees according to the reference standard in force. The opening is reversible with no necessity of mechanical modifications of the structure. Four closing points render the pressure to the seal more homogenous and improve its sealing capacity and lifespan. A special polyurethane seal applied by continuous moulding directly to the door assures a high protection degree.

All the models have an internal panel (**mounting panel**) made of 25/10 thick Sendzimir galvanized steel for a better potential equalization. The stiffness is guaranteed by U-shaped edge folding of 25 mm. The panel is complete with plastic slides and lean on guides, which allow its frontal introduction into the enclosure and depth adjustment. It is fixed to the structure by means of solid brackets and does not present protruding screws.

CAE compact enclosures have been conceived to meet the needs of those customers, who requires stand-alone enclosures with high level characteristics.

Having a great versatility and being suitable for whatever application.

- ideal as HMI enclosures for industrial plants;
- appropriate for electronics applications;
- convenient for LV distribution.

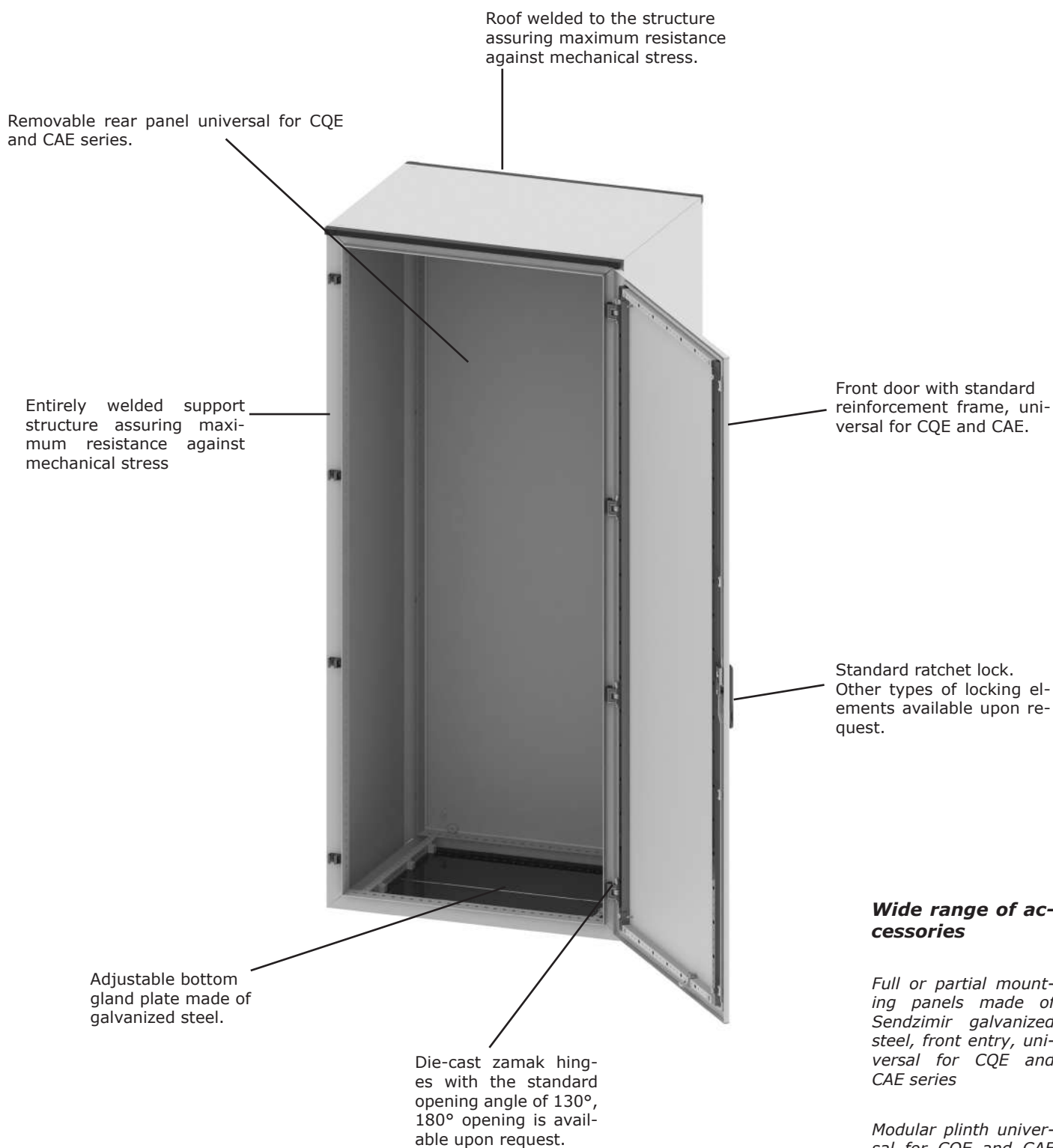
A complete compatibility with the accessories of CQE, the identity of components such as doors, rear panels, internal panels etc., allow an efficient and quick project engineering and a considerable stock costs reduction.

CAE series of compact enclosures includes six height options: 1000, 1200, 1400, 1600, 1800 and 2000, each available in various sizes.

The standard painting is performed with epoxy-polyester powders of textured RAL 7035 colour.

It is possible to obtain IP65 protection degree ordering a solid bottom (code RZFUC).





Wide range of accessories

Full or partial mounting panels made of Sendzimir galvanized steel, front entry, universal for CQE and CAE series

Modular plinth universal for CQE and CAE series

Conformity and approvals



Protection degree

- IP 55 according to IEC EN 62208; EN 60529
- TYPE 4 as per UL508A; UL50 (single door) - TYPE 12 as per UL508A; UL50 (double door)
- The protection degree is guaranteed by a seal of two-component polyurethane foam
- Impact resistance degree IK10 as per IEC EN 62208; EN 50102

CAE Compact Enclosure



Dimensions, mm			CAE structure only	CAE structure and rear panel	CAE structure, rear panel and blank door	CAE structure, rear panel and glazed door	CAE structure, rear panel and screen-printed glazed door
H	L	P					
1000	600	300	R5CAE1063S	R5CAE1063R	R5CAE1063	R5CAE1063X	-
		400	R5CAE1064S	R5CAE1064R	R5CAE1064	R5CAE1064X	-
	800	300	R5CAE1083S	R5CAE1083R	R5CAE1083	R5CAE1083X	-
		400	R5CAE1084S	R5CAE1084R	R5CAE1084	R5CAE1084X	-
	1000	300	R5CAE10103S	R5CAE10103R	R5CAE10103	R5CAE10103X	-
		400	R5CAE10104S	R5CAE10104R	R5CAE10104	R5CAE10104X	-
1200	600	300	R5CAE1263S	R5CAE1263R	R5CAE1263	R5CAE1263X	-
		400*	R5CAE1264S	R5CAE1264R	R5CAE1264	R5CAE1264X	-
	800	300	R5CAE1283S	R5CAE1283R	R5CAE1283	R5CAE1283X	-
		400*	R5CAE1284S	R5CAE1284R	R5CAE1284	R5CAE1284X	-
	1000	300	R5CAE12103S	R5CAE12103R	R5CAE12103	R5CAE12103X	-
		400*	R5CAE12104S	R5CAE12104R	R5CAE12104	R5CAE12104X	-
1400	600	300	R5CAE1463S	R5CAE1463R	R5CAE1463	R5CAE1463X	-
		400	R5CAE1464S	R5CAE1464R	R5CAE1464	R5CAE1464X	-
	800	300	R5CAE1483S	R5CAE1483R	R5CAE1483	R5CAE1483X	-
		400*	R5CAE1484S	R5CAE1484R	R5CAE1484	R5CAE1484X	-
	1000	300	R5CAE14103S	R5CAE14103R	R5CAE14103	R5CAE14103X	-
		400	R5CAE14104S	R5CAE14104R	R5CAE14104	R5CAE14104X	-
1600	600	300	R5CAE1663S	R5CAE1663R	R5CAE1663	R5CAE1663X	R5CAE1663V
		400*	R5CAE1664S	R5CAE1664R	R5CAE1664	R5CAE1664X	R5CAE1664V
	800	300	R5CAE1683S	R5CAE1683R	R5CAE1683	R5CAE1683X	R5CAE1683V
		400*	R5CAE1684S	R5CAE1684R	R5CAE1684	R5CAE1684X	R5CAE1684V
	1000	300	R5CAE16103S	R5CAE16103R	R5CAE16103	R5CAE16103X	-
		400*	R5CAE16104S	R5CAE16104R	R5CAE16104	R5CAE16104X	-

* Available on stock. The articles not marked by an asterisk are to be considered available in 12 working days.

Accessories for CAE enclosure

Doors



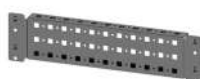
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Mounting panels



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Side panels



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Plinth



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Wall mounting



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Accessories



Blank door	Glazed door	Screen-printed glazed door	Rear panel	Mounting panel	Internal door	Plinth H 100	Plinth H 200
R5CPE1060	R5CPTE1060	-	R5CRE1060	RZPCE1060	R5PIE1060	R1ZE631	R1ZE632
R5CPE1060	R5CPTE1060	-	R5CRE1060	RZPCE1060	R5PIE1060	R1ZE641	R1ZE642
R5CPE1080	R5CPTE1080	-	R5CRE1080	RZPCE1080	R5PIE1080	R1ZE831	R1ZE832
R5CPE1080	R5CPTE1080	-	R5CRE1080	RZPCE1080	R5PIE1080	R1ZE841	R1ZE842
R5CPE10100	R5CPTE10100	-	R5CRE10100	RZPCE10100	R5PIE10100	R1ZE1031	R1ZE1032
R5CPE10100	R5CPTE10100	-	R5CRE10100	RZPCE10100	R5PIE10100	R1ZE1041	R1ZE1042
R5CPE1260	R5CPTE1260	-	R5CRE1260	RZPCE1260	R5PIE1260	R1ZE631	R1ZE632
R5CPE1260	R5CPTE1260	-	R5CRE1260	RZPCE1260	R5PIE1260	R1ZE641	R1ZE642
R5CPE1280	R5CPTE1280	-	R5CRE1280	RZPCE1280	R5PIE1280	R1ZE831	R1ZE832
R5CPE1280	R5CPTE1280	-	R5CRE1280	RZPCE1280	R5PIE1280	R1ZE841	R1ZE842
R5CPE12100	R5CPTE12100	-	R5CRE12100	RZPCE12100	R5PIE12100	R1ZE1031	R1ZE1032
R5CPE12100	R5CPTE12100	-	R5CRE12100	RZPCE12100	R5PIE12100	R1ZE1041	R1ZE1042
R5CPE1460	R5CPTE1460	-	R5CRE1460	RZPCE1460	R5PIE1460	R1ZE631	R1ZE632
R5CPE1460	R5CPTE1460	-	R5CRE1460	RZPCE1460	R5PIE1460	R1ZE641	R1ZE642
R5CPE1480	R5CPTE1480	-	R5CRE1480	RZPCE1480	R5PIE1480	R1ZE831	R1ZE832
R5CPE1480	R5CPTE1480	-	R5CRE1480	RZPCE1480	R5PIE1480	R1ZE841	R1ZE842
R5CPE14100	R5CPTE14100	-	R5CRE14100	RZPCE14100	R5PIE14100	R1ZE1031	R1ZE1032
R5CPE14100	R5CPTE14100	-	R5CRE14100	RZPCE14100	R5PIE14100	R1ZE1041	R1ZE1042
R5CPE1660	R5CPTE1660	R5CPTED1660	R5CRE1660	RZPCE1660	R5PIE1660	R1ZE631	R1ZE632
R5CPE1660	R5CPTE1660	R5CPTED1660	R5CRE1660	RZPCE1660	R5PIE1660	R1ZE641	R1ZE642
R5CPE1680	R5CPTE1680	R5CPTED1680	R5CRE1680	RZPCE1680	R5PIE1680	R1ZE831	R1ZE832
R5CPE1680	R5CPTE1680	R5CPTED1680	R5CRE1680	RZPCE1680	R5PIE1680	R1ZE841	R1ZE842
R5CPE16100	R5CPTE16100	-	R5CRE16100	RZPCE16100	R5PIE16100	R1ZE1031	R1ZE1032
R5CPE16100	R5CPTE16100	-	R5CRE16100	RZPCE16100	R5PIE16100	R1ZE1041	R1ZE1042

□ Codes nearing obsolescence. For new plinth references, see page 97-98

Accessories for CAE enclosure

Rack 19"



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Locking elements



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Lifting accessories



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Modularity



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CAE Compact Enclosure



Dimensions, mm			CAE structure only	CAE structure and rear panel	CAE structure, rear panel and blank door	CAE structure, rear panel and glazed door	CAE structure, rear panel and screen-printed glazed door
H	L	P					
1800	600	300	R5CAE1863S	R5CAE1863R	R5CAE1863	R5CAE1863X	R5CAE1863V
		400	R5CAE1864S	R5CAE1864R	R5CAE1864	R5CAE1864X	R5CAE1864V
		500	R5CAE1865S	R5CAE1865R	R5CAE1865	R5CAE1865X	R5CAE1865V
		600	R5CAE1866S	R5CAE1866R	R5CAE1866	R5CAE1866X	R5CAE1866V
	800	300	R5CAE1883S	R5CAE1883R	R5CAE1883	R5CAE1883X	R5CAE1883V
		400*	R5CAE1884S	R5CAE1884R	R5CAE1884	R5CAE1884X	R5CAE1884V
		500*	R5CAE1885S	R5CAE1885R	R5CAE1885	R5CAE1885X	R5CAE1885V
		600*	R5CAE1886S	R5CAE1886R	R5CAE1886	R5CAE1886X	R5CAE1886V
	1000	400	R5CAE18104S	R5CAE18104R	R5CAE18104	R5CAE18104X	-
		500	R5CAE18105S	R5CAE18105R	R5CAE18105	R5CAE18105X	-
		600	R5CAE18106S	R5CAE18106R	R5CAE18106	R5CAE18106X	-
	1200	400*	R5CAE18124S	R5CAE18124R	R5CAE18124	R5CAE18124X	-
		500	R5CAE18125S	R5CAE18125R	R5CAE18125	R5CAE18125X	-
		600	R5CAE18126S	R5CAE18126R	R5CAE18126	R5CAE18126X	-
2000	600	300	R5CAE2063S	R5CAE2063R	R5CAE2063	R5CAE2063X	R5CAE2063V
		400	R5CAE2064S	R5CAE2064R	R5CAE2064	R5CAE2064X	R5CAE2064V
		500	R5CAE2065S	R5CAE2065R	R5CAE2065	R5CAE2065X	R5CAE2065V
		600	R5CAE2066S	R5CAE2066R	R5CAE2066	R5CAE2066X	R5CAE2066V
	800	300	R5CAE2083S	R5CAE2083R	R5CAE2083	R5CAE2083X	R5CAE2083V
		400	R5CAE2084S	R5CAE2084R	R5CAE2084	R5CAE2084X	R5CAE2084V
		500	R5CAE2085S	R5CAE2085R	R5CAE2085	R5CAE2085X	R5CAE2085V
		600	R5CAE2086S	R5CAE2086R	R5CAE2086	R5CAE2086X	R5CAE2086V
	1000	400	R5CAE20104S	R5CAE20104R	R5CAE20104	R5CAE20104X	-
		500	R5CAE20105S	R5CAE20105R	R5CAE20105	R5CAE20105X	-
		600	R5CAE20106S	R5CAE20106R	R5CAE20106	R5CAE20106X	-
	1200	400	R5CAE20124S	R5CAE20124R	R5CAE20124	R5CAE20124X	-
		500	R5CAE20125S	R5CAE20125R	R5CAE20125	R5CAE20125X	-
		600	R5CAE20126S	R5CAE20126R	R5CAE20126	R5CAE20126X	-

* Available on stock. The articles not marked by an asterisk are to be considered available in 12 working days.

Accessories for CAE enclosure

Doors



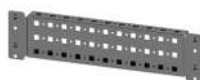
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Mounting panels



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Side panels



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Plinth



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Wall mounting



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Accessories



Blank door	Glazed door	Screenprinted glazed door	Rear panel	Mounting panel	Internal door	Plinth H 100	Plinth H 200
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5PIE1860	R1ZE631	R1ZE632
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5PIE1860	R1ZE641	R1ZE642
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5PIE1860	R1ZE651	R1ZE652
R5CPE1860	R5CPTE1860	R5CPTED1860	R5CRE1860	RZPCE1860	R5PIE1860	R1ZE661	R1ZE662
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5PIE1880	R1ZE831	R1ZE832
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5PIE1880	R1ZE841	R1ZE842
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5PIE1880	R1ZE851	R1ZE852
R5CPE1880	R5CPTE1880	R5CPTED1880	R5CRE1880	RZPCE1880	R5PIE1880	R1ZE861	R1ZE862
R5CPE18100	R5CPTE18100	-	R5CRE18100	RZPCE18100	R5PIE18100	R1ZE1041	R1ZE1042
R5CPE18100	R5CPTE18100	-	R5CRE18100	RZPCE18100	R5PIE18100	R1ZE1051	R1ZE1052
R5CPE18100	R5CPTE18100	-	R5CRE18100	RZPCE18100	R5PIE18100	R1ZE1061	R1ZE1062
R5CPE18120	R5CPTE18120	-	R5CRE18120	RZPCE18120	R5PIE18120	R1ZE1241	R1ZE1242
R5CPE18120	R5CPTE18120	-	R5CRE18120	RZPCE18120	R5PIE18120	R1ZE1251	R1ZE1252
R5CPE18120	R5CPTE18120	-	R5CRE18120	RZPCE18120	R5PIE18120	R1ZE1261	R1ZE1262
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5PIE2060	R1ZE631	R1ZE632
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5PIE2060	R1ZE641	R1ZE642
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5PIE2060	R1ZE651	R1ZE652
R5CPE2060	R5CPTE2060	R5CPTED2060	R5CRE2060	RZPCE2060	R5PIE2060	R1ZE661	R1ZE662
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5PIE2080	R1ZE831	R1ZE832
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5PIE2080	R1ZE841	R1ZE842
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5PIE2080	R1ZE851	R1ZE852
R5CPE2080	R5CPTE2080	R5CPTED2080	R5CRE2080	RZPCE2080	R5PIE2080	R1ZE861	R1ZE862
R5CPE20100	R5CPTE20100	-	R5CRE20100	RZPCE20100	R5PIE20100	R1ZE1041	R1ZE1042
R5CPE20100	R5CPTE20100	-	R5CRE20100	RZPCE20100	R5PIE20100	R1ZE1051	R1ZE1052
R5CPE20100	R5CPTE20100	-	R5CRE20100	RZPCE20100	R5PIE20100	R1ZE1061	R1ZE1062
R5CPE20120	R5CPTE20120	-	R5CRE20120	RZPCE20120	R5PIE20120	R1ZE1241	R1ZE1242
R5CPE20120	R5CPTE20120	-	R5CRE20120	RZPCE20120	R5PIE20120	R1ZE1251	R1ZE1252
R5CPE20120	R5CPTE20120	-	R5CRE20120	RZPCE20120	R5PIE20120	R1ZE1261	R1ZE1262

❑ Codes nearing obsolescence. For new plinth references, see page 97-98

Accessories for CAE enclosure

Rack 19"



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Locking elements



Pag. 112

Lifting accessories



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Modularity



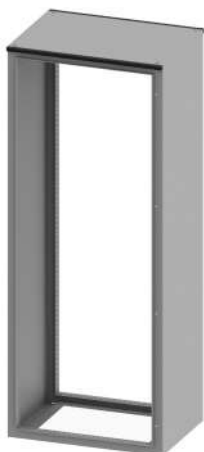
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Ramklima



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CAE Compact enclosure structure only



STRUCTURE

Solid sides and top, manufactured of 15/10 steel, painted RAL 7035 with textured epoxy-polyester, adjustable cable gland bottom.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, 15/10 thick steel, with rounded safety edges. From 4 to 10 points of fastening to the structure.

DOOR

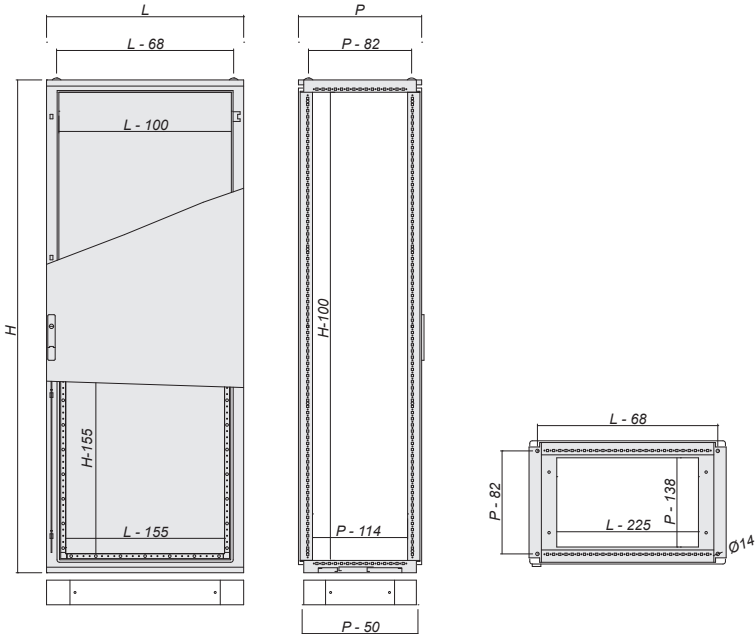
20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm.

**N.B. IP/NEMA protection degree shown in the table below is referred to a enclosure/bay-
ed enclosures complete with a door and a rear panel.**

Dimensions, mm			Protection degree	CAE structure only
Height, H	Width, L	Depth, P		
1000	600	300	IP 55 complies with TYPE 4	R5CAE1063S
		400		R5CAE1064S
	800	300		R5CAE1083S
		400		R5CAE1084S
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE10103S
		400		R5CAE10104S
1200	600	300	IP 55 complies with TYPE 4	R5CAE1263S
		400		R5CAE1264S
	800	300		R5CAE1283S
		400		R5CAE1284S
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE12103S
		400		R5CAE12104S
1400	600	300	IP 55 complies with TYPE 4	R5CAE1463S
		400		R5CAE1464S
	800	300		R5CAE1483S
		400		R5CAE1484S
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE14103S
		400		R5CAE14104S
1600	600	300	IP 55 complies with TYPE 4	R5CAE1663S
		400		R5CAE1664S
	800	300		R5CAE1683S
		400		R5CAE1684S
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE16103S
		400		R5CAE16104S

Dimensions, mm			Protection degree	CAE structure only
Height, H	Width, L	Depth, P		
1800	600	300	IP 55 complies with TYPE 4	R5CAE1863S
		400		R5CAE1864S
		500		R5CAE1865S
		600		R5CAE1866S
	800	300		R5CAE1883S
		400		R5CAE1884S
		500		R5CAE1885S
		600		R5CAE1886S
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE18104S
		500		R5CAE18105S
		600		R5CAE18106S
	1200	400	IP 55 complies with TYPE 12	R5CAE18124S
		500		R5CAE18125S
		600		R5CAE18126S
2000	600	300	IP 55 complies with TYPE 4	R5CAE2063S
		400		R5CAE2064S
		500		R5CAE2065S
		600		R5CAE2066S
	800	300		R5CAE2083S
		400		R5CAE2084S
		500		R5CAE2085S
		600		R5CAE2086S
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE20104S
		500		R5CAE20105S
		600		R5CAE20106S
	1200	400	IP 55 complies with TYPE 12	R5CAE20124S
		500		R5CAE20125S
		600		R5CAE20126S

CAE BLOCK ENCLOSURES



CAE Compact Enclosure rear panel only



STRUCTURE

Solid sides and top, manufactured of 15/10 steel, painted RAL 7035 with textured epoxy-polyester, adjustable cable gland bottom.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, 15/10 thick steel, with rounded safety edges. From 4 to 10 points of fastening to the structure.

DOOR

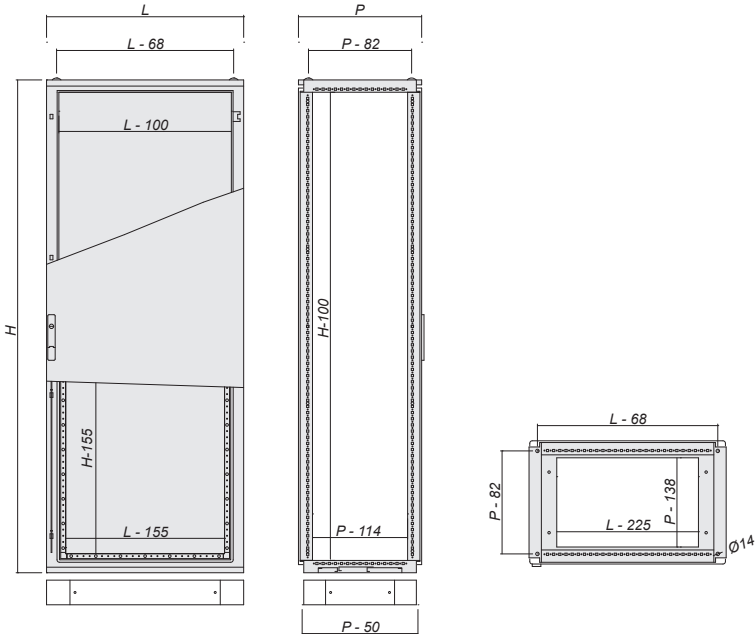
20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm.

N.B. IP/NEMA protection degree shown in the table below is referred to a enclosure/bayed enclosures complete with a door and a rear panel

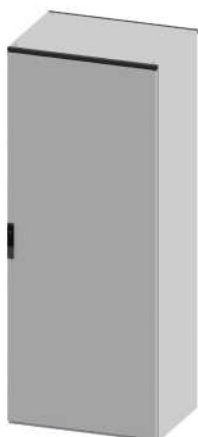
Dimensions, mm			Protection degree	CAE structure and rear panel
Height, H	Width, L	Depth, P		
1000	600	300	IP 55 complies with TYPE 4	R5CAE1063R
		400		R5CAE1064R
	800	300		R5CAE1083R
		400		R5CAE1084R
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE10103R
		400		R5CAE10104R
1200	600	300	IP 55 complies with TYPE 4	R5CAE1263R
		400		R5CAE1264R
	800	300		R5CAE1283R
		400		R5CAE1284R
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE12103R
		400		R5CAE12104R
1400	600	300	IP 55 complies with TYPE 4	R5CAE1463R
		400		R5CAE1464R
	800	300		R5CAE1483R
		400		R5CAE1484R
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE14103R
		400		R5CAE14104R
1600	600	300	IP 55 complies with TYPE 4	R5CAE1663R
		400		R5CAE1664R
	800	300		R5CAE1683R
		400		R5CAE1684R
	1000	300	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE16103R
		400		R5CAE16104R

Dimensions, mm			Protection degree	CAE structure and rear panel
Height, H	Width, L	Depth, P		
1800	600	300	IP 55 complies with TYPE 4	R5CAE1863R
		400		R5CAE1864R
		500		R5CAE1865R
		600		R5CAE1866R
	800	300		R5CAE1883R
		400		R5CAE1884R
		500		R5CAE1885R
		600		R5CAE1886R
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE18104R
		500		R5CAE18105R
		600		R5CAE18106R
	1200	400	IP 55 complies with TYPE 12	R5CAE18124R
500		R5CAE18125R		
600		R5CAE18126R		
2000	600	300	IP 55 complies with TYPE 4	R5CAE2063R
		400		R5CAE2064R
		500		R5CAE2065R
		600		R5CAE2066R
	800	300		R5CAE2083R
		400		R5CAE2084R
		500		R5CAE2085R
		600		R5CAE2086R
	1000	400	IP 55 complies with TYPE 4 (single door)/12 (double door)	R5CAE20104R
		500		R5CAE20105R
		600		R5CAE20106R
	1200	400	IP 55 complies with TYPE 12	R5CAE20124R
		500		R5CAE20125R
		600		R5CAE20126R

CAE BLOCK ENCLOSURES



CAE Compact enclosure blank door



STRUCTURE

Solid sides and top, manufactured of 15/10 steel, painted RAL 7035 with textured epoxy-polyester, adjustable cable gland bottom.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, 15/10 thick steel, with rounded safety edges. From 4 to 10 points of fastening to the structure.

DOOR

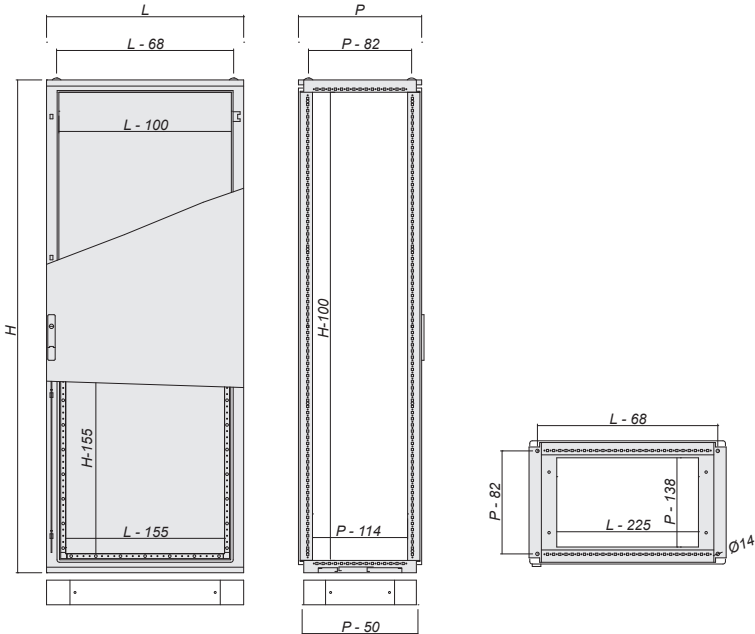
20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm.

Impact resistance degree as per IEC EN 62208: IK10

Dimensions, mm			Protection degree	CAE structure, rear panel and blank door
Height, H	Width, L	Depth, P		
1000	600	300	IP 55 complies with TYPE 4	R5CAE1063
		400		R5CAE1064
	800	300		R5CAE1083
		400		R5CAE1084
	1000	300		R5CAE10103
		400		R5CAE10104
1200	600	300		R5CAE1263
		400		R5CAE1264
	800	300		R5CAE1283
		400		R5CAE1284
	1000	300		R5CAE12103
		400		R5CAE12104
1400	600	300		R5CAE1463
		400		R5CAE1464
	800	300		R5CAE1483
		400		R5CAE1484
	1000	300		R5CAE14103
		400		R5CAE14104
1600	600	300		R5CAE1663
		400		R5CAE1664
	800	300		R5CAE1683
		400		R5CAE1684
	1000	300		R5CAE16103
		400		R5CAE16104

Dimensions, mm			Protection degree	CAE structure, rear panel and blank door
Height, H	Width, L	Depth, P		
1800	600	300	IP 55 complies with TYPE 4	R5CAE1863
		400		R5CAE1864
		500		R5CAE1865
		600		R5CAE1866
	800	300		R5CAE1883
		400		R5CAE1884
		500		R5CAE1885
		600		R5CAE1886
	1000	400		R5CAE18104
		500		R5CAE18105
		600		R5CAE18106
	1200	400	IP 55 complies with TYPE 12	R5CAE18124
500		R5CAE18125		
600		R5CAE18126		
2000	600	300	IP 55 complies with TYPE 4	R5CAE2063
		400		R5CAE2064
		500		R5CAE2065
		600		R5CAE2066
	800	300		R5CAE2083
		400		R5CAE2084
		500		R5CAE2085
		600		R5CAE2086
	1000	400		R5CAE20104
		500		R5CAE20105
		600		R5CAE20106
	1200	400	IP 55 complies with TYPE 12	R5CAE20124
		500		R5CAE20125
		600		R5CAE20126

CAE BLOCK ENCLOSURES



CAE Compact enclosure glazed door



STRUCTURE

Solid sides and top, manufactured of 15/10 steel, painted RAL 7035 with textured epoxy-polyester, adjustable cable gland bottom.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, 15/10 thick steel, with rounded safety edges. From 4 to 10 points of fastening to the structure.

DOOR

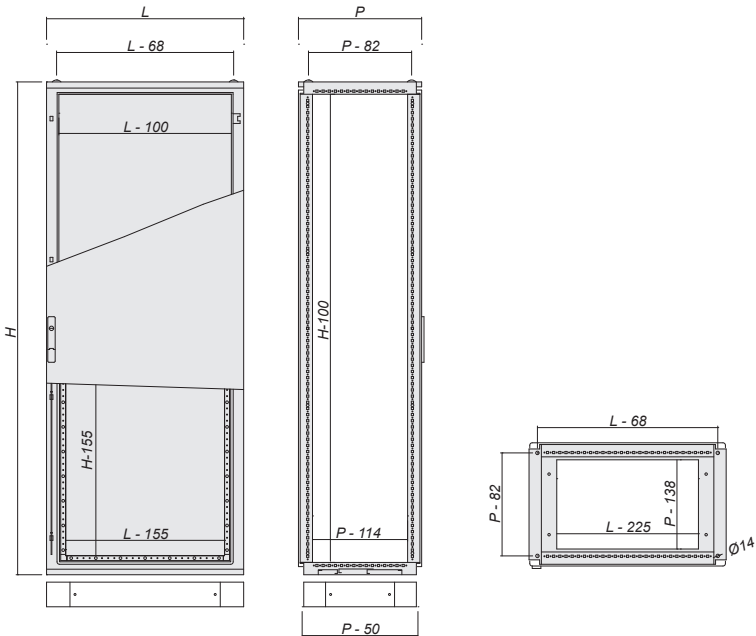
20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm. 40/10 thick safety glass.

Impact resistance degree as per IEC EN 62208: IK09

Dimensions, mm			Protection degree	CAE structure, rear panel and glazed door
Height, H	Width, L	Depth, P		
1000	600	300	IP 55	R5CAE1063X
		400		R5CAE1064X
	800	300		R5CAE1083X
		400		R5CAE1084X
	1000	300		R5CAE10103X
		400		R5CAE10104X
1200	600	300		R5CAE1263X
		400		R5CAE1264X
	800	300		R5CAE1283X
		400		R5CAE1284X
	1000	300		R5CAE12103X
		400		R5CAE12104X
1400	600	300		R5CAE1463X
		400		R5CAE1464X
	800	300		R5CAE1483X
		400		R5CAE1484X
	1000	300		R5CAE14103X
		400		R5CAE14104X
1600	600	300		R5CAE1663X
		400		R5CAE1664X
	800	300		R5CAE1683X
		400		R5CAE1684X
	1000	300		R5CAE16103X
		400		R5CAE16104X

Dimensions, mm			Protection degree	CAE structure, rear panel and glazed door
Height, H	Width, L	Depth, P		
1800	600	300	IP 55	R5CAE1863X
		400		R5CAE1864X
		500		R5CAE1865X
		600		R5CAE1866X
	800	300		R5CAE1883X
		400		R5CAE1884X
		500		R5CAE1885X
		600		R5CAE1886X
	1000	400		R5CAE18104X
		500		R5CAE18105X
		600		R5CAE18106X
	1200	400		R5CAE18124X
		500		R5CAE18125X
		600		R5CAE18126X
2000	600	300		R5CAE2063X
		400		R5CAE2064X
		500		R5CAE2065X
		600		R5CAE2066X
	800	300		R5CAE2083X
		400		R5CAE2084X
		500		R5CAE2085X
		600		R5CAE2086X
	1000	400		R5CAE20104X
		500		R5CAE20105X
		600		R5CAE20106X
	1200	400		R5CAE20124X
		500		R5CAE20125X
		600		R5CAE20126X

CAE BLOCK ENCLOSURES



CAE Compact enclosure screen-printed glazed door



STRUCTURE

Solid sides and top, manufactured of 15/10 steel, painted RAL 7035 with textured epoxy-polyester, adjustable cable gland bottom.

REAR PANEL

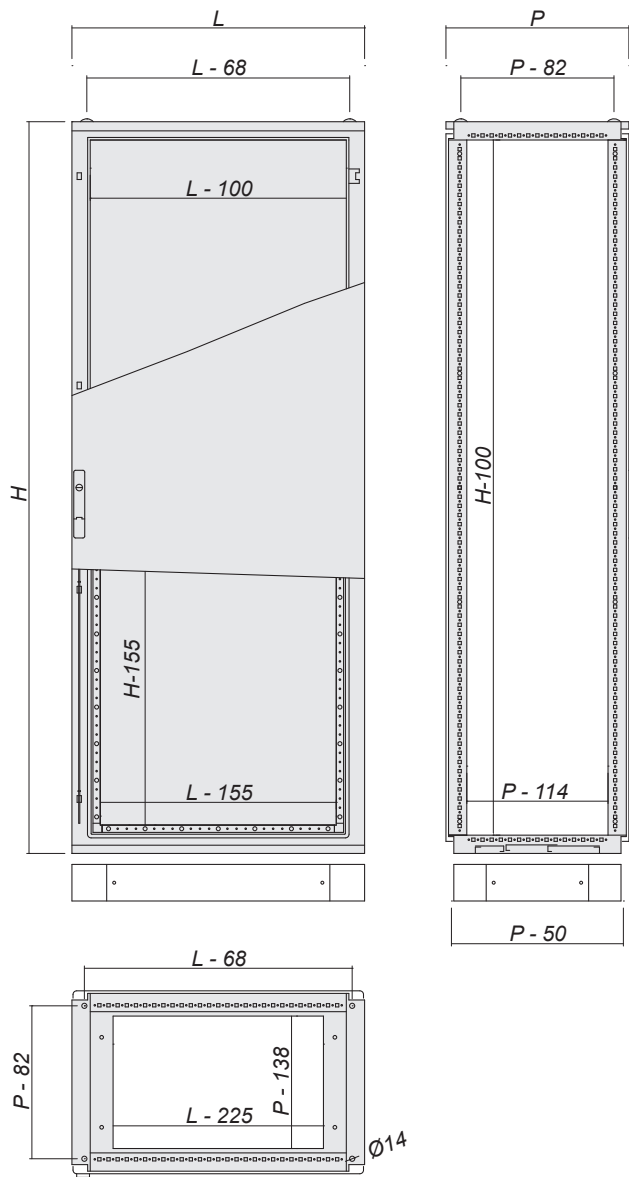
15/10 thick steel, painted textured RAL 7035, 15/10 thick steel, with rounded safety edges, with 8 points of fastening to the structure.

DOOR

20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm. 40/10 thick safety screen-printed smoked glass.

Impact resistance degree as per IEC EN 62208: IK09

Dimensions, mm			Protection degree	CAE structure, rear panel and screen-printed glazed door
Height, H	Width, L	Depth, P		
1600	600	300	IP 55	R5CAE1663V
		400		R5CAE1664V
	800	300		R5CAE1683V
		400		R5CAE1684V
1800	600	300		R5CAE1863V
		400		R5CAE1864V
		500		R5CAE1865V
		600		R5CAE1866V
	800	300		R5CAE1883V
		400		R5CAE1884V
		500		R5CAE1885V
		600		R5CAE1886V
2000	600	300		R5CAE2063V
		400		R5CAE2064V
		500		R5CAE2065V
		600		R5CAE2066V
	800	300		R5CAE2083V
		400		R5CAE2084V
		500		R5CAE2085V
		600		R5CAE2086V



CAE BLOCK ENCLOSURES

CAE Compact horizontal enclosure



STRUCTURE

Solid sides and top, manufactured of 15/10 steel, painted RAL 7035 with textured epoxy-polyester, adjustable cable gland bottom.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, 15/10 thick steel, with rounded safety edges, with 6 - 8 points of fastening to the structure.

DOUBLE DOOR

20/10 thick steel, painted textured RAL 7035, with rounded safety edges. Complete with an internal reinforcement frame made of galvanized tubular profile, 4 closing points, 4 hinges and an escutcheon with a double-bit lock insert Ø3 mm.

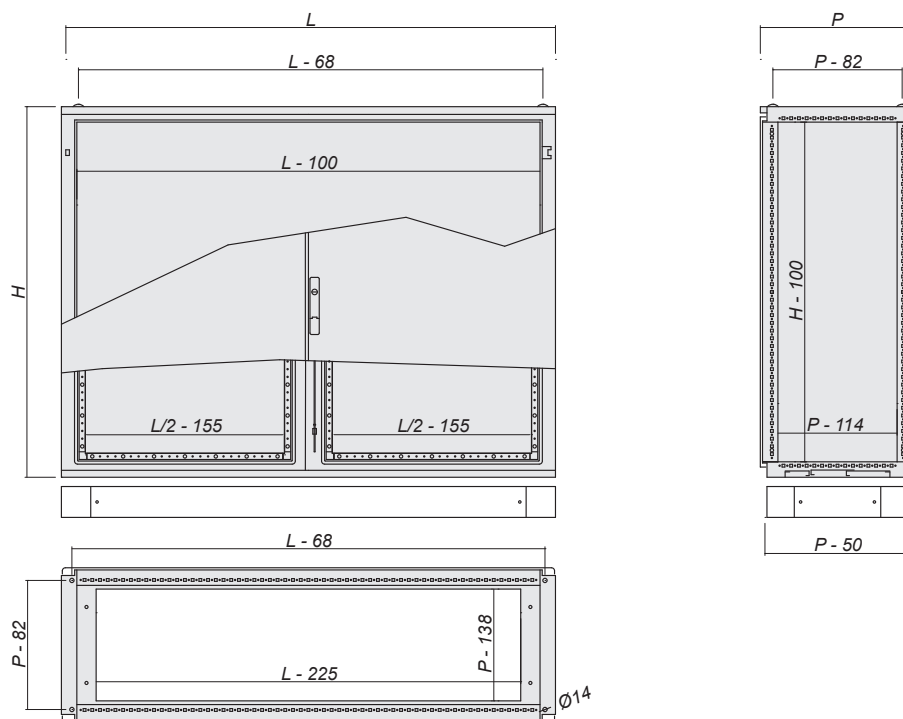
Impact resistance degree as per IEC EN 62208: IK10

PROTECTION DEGREE

IP55 EN 60529 UL NEMA type 12 (referred to enclosures complete with doors).

Dimensions, mm			CAE structure only	CAE structure and rear panel	CAE structure, rear panel and blank door
H	L	P			
800	1200	400	R5CAE8124S	R5CAE8124R	R5CAE8124
	1400	400	R5CAE8144S	R5CAE8144R	R5CAE8144
	1600	400	R5CAE8164S	R5CAE8164R	R5CAE8164
	1800	400	R5CAE8184S	R5CAE8184R	R5CAE8184
	2000	400	R5CAE8204S	R5CAE8204R	R5CAE8204
1000	1200	400	R5CAE10124S	R5CAE10124R	R5CAE10124
	1400	400	R5CAE10144S	R5CAE10144R	R5CAE10144
	1600	400	R5CAE10164S	R5CAE10164R	R5CAE10164
	1800	400	R5CAE10184S	R5CAE10184R	R5CAE10184
	2000	400	R5CAE10204S	R5CAE10204R	R5CAE10204

N.B. Available in 12 working days.



Blank double door for CAE horizontal enclosure



Manufactured of 20/10 thick steel, painted textured RAL 7035, with rounded safety edges.
Complete with an internal reinforcement frame made of galvanized tubular profile.
4 closing points, 8 hinges and an escutcheon with a double-bit lock insert Ø3 mm.

Height	Width	Code
800	1200	R5CPE8120
800	1400	R5CPE8140
800	1600	R5CPE8160
800	1800	R5CPE8180
800	2000	R5CPE8200
1000	1200	R5CPE10120
1000	1400	R5CPE10140
1000	1600	R5CPE10160
1000	1800	R5CPE10180
1000	2000	R5CPE10200

Mounting panel for CAE horizontal enclosure



- Manufactured of Sendzimir galvanized sheet steel with the thickness of 25/10 or 30/10 (depending on the dimensions).
- Maximum distance between the door and the mounting panel is equal to $P - 82$. For example: if the depth of a enclosure is 500 mm, the maximum distance between its door and mounting panel is equal to $500 - 82 = 418$.
- It is possible to mount the panel in the utmost position against the structure by means of an optional kit code RZAE06. With this accessory the maximum distance between the door and the mounting panel is equal to $P - 57$.
- The supply includes mounting accessories
- Max. load 300 Kg/m² (max 600 Kg)

Caution: it is recommended to use appropriate gloves to handle mounting panels. (Artt. 41-42-43 DLG 626/94).

Height	Width	Panel height	Panel width	Code
800	1200	683	1086	RZCPCE8120
800	1400	683	1286	RZCPCE8140
800	1600	683	1486	RZCPCE8160
800	1800	683	1686	RZCPCE8180
800	2000	683	1886	RZCPCE8200
1000	1200	883	1086	RZCPCE10120
1000	1400	883	1286	RZCPCE10140
1000	1600	883	1486	RZCPCE10160
1000	1800	883	1686	RZCPCE10180
1000	2000	883	1886	RZCPCE10200

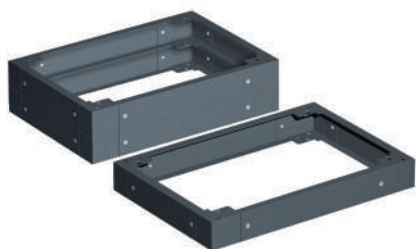
Rear panel for CAE horizontal enclosure



- Manufactured of 15/10 thick steel, painted textured RAL 7035
- 8 or more points of fastening to the structure.

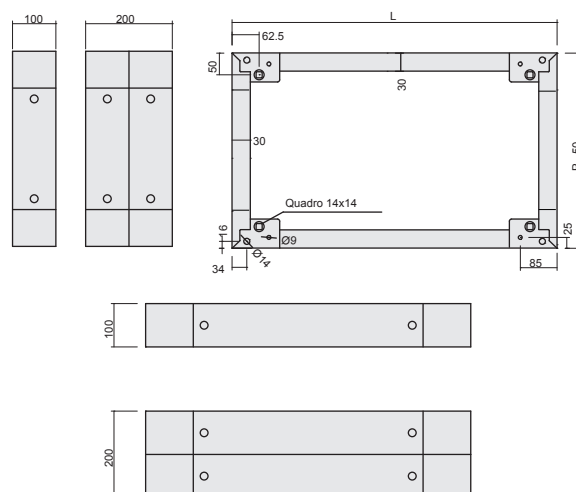
Enclosure dimensions		Code
Height, H	Width, L	
800	1200	R5CRE8120
	1400	R5CRE8140
	1600	R5CRE8160
	1800	R5CRE8180
	2000	R5CRE8200
1000	1200	R5CRE10120
	1400	R5CRE10140
	1600	R5CRE10160
	1800	R5CRE10180
	2000	R5CRE10200

Modular plinth for CAE horizontal enclosure



- Manufactured of 20/10 thick steel, painted textured RAL 7011.
- Removable front, back and sides allowing a free passage of cables.
- 100 and 200 mm high.
- Complete with fasteners

Plinth height	Enclosure width, L	Enclosure depth, P
		400
100	1200	R1ZE1241
	1400	R1ZE1441
	1600	R1ZE1641
	1800	R1ZE1841
	2000	R1ZE2041
200	1200	R1ZE1242
	1400	R1ZE1442
	1600	R1ZE1642
	1800	R1ZE1842
	2000	R1ZE2042



❑ Codes nearing obsolescence. For new plinth references, see page 97-98



Accessories for enclosure

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Accessories for enclosures

The accessories range for CQE and CAE enclosures represents an ideal solution as regards versatility and stock costs saving.

A lot of accessories are universal and suitable, therefore, for all DKC enclosure lines. Some other accessories, where indicated, are specific only for some of the product lines.

In order to choose an appropriate accessory it is necessary to know the enclosure dimensions and refer to the relative tables.

All mounting accessories are included to the supply.

The list here below illustrates the main families of accessories for DKC enclosures.

Mounting panels

Front entry, side entry; partial or full.

Plinth

modular/assembled, reinforced solid or blind, earthquake resistant. Numerous adjustment accessories.

Cable entry

Solid bottom, rails and cable gland plates allowing cable entry from the enclosure bottom, assuring a high IP protection degree.

Enclosure baying accessories

Compensation panel for mounting panels, mechanical baying kit and baying reinforcement kit for heavy duty. Back-to-back baying special kit.

Lifting accessories

Lifting eye bolts, brackets, press-bended rails or hot laminated rails for particularly heavy bayed enclosures lifting.

Doors and locking elements

Single or double door, blank or glazed, with transparent or screen-printed safety glass characterised by an innovative and refined design. The completion accessories are numerous.

Cable management

Modular top compartments for cable management, the only supplied by the metre, cable compartments with side access or cable chambers and relative completion accessories.

Trays

Working tray (to be applied to the doors), fixed or sliding trays applicable directly to the enclosure frame.

Rails

Sendzimir galvanized rails, mountable to the support profile of a enclosure, allow the internal equipment arrangement with 25 mm adjustable pitch and permit to create an internal structure customized in conformity to the customer's requirements. Transformer support rails and cable tie-down rails are also available.

19" racks and profiles

19" racks, full or partial, side or central with respect to the enclosure; 130° opening or 180° opening as an option.

The range is completed by fixed 19" profiles, C-shaped or L-shaped (depending on the application type) and the relative 19" accessories.

Other accessories

Enclosure mounting brackets, lamps and open door warning devices. The wide range of accessories is among the most innovative currently available on the market.

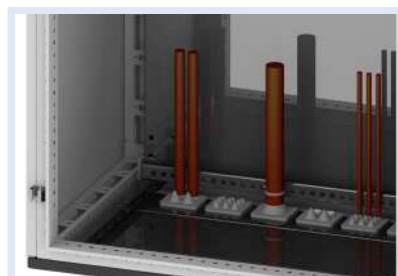




Mounting panels
page 90



Plinths
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New Plinths
page 97-98



Bottom panels and cable glands
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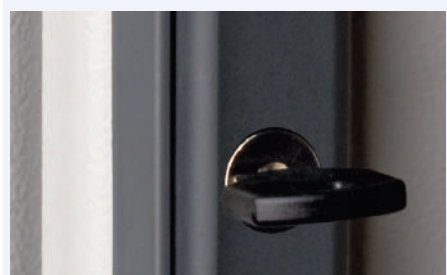
Buying accessories
page 100



Lifting accessories
page 134



Doors
page 102



Locking elements
page 109



Cable management
page 114



Trays
page 118

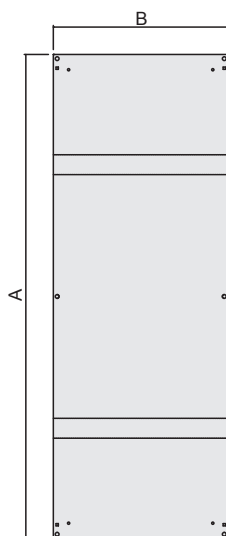


Rails
page 121



Rack 19"
page 125

Front entry mounting panel for CQE and CAE



- Manufactured of Sendzimir galvanized steel 25/10 or 30/10 thick (depending on the dimensions).
- Max. distance between door and mounting panel is equal to $P - 82$. For example: if the depth of a enclosure is 500 mm, the max. Distance between its door and mounting panel is equal to $500 - 82 = 418$.
- It is possible to mount the panel in the utmost position against the structure by means of an optional kit (code RZAE06). With this accessory the maximum distance between the door and the mounting panel is equal to $P - 57$.
- The supply includes mounting accessories
- Max. load: 300 300 Kg/m² (max 600 Kg)

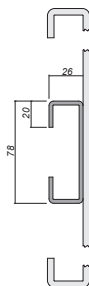
Caution: it is recommended to use appropriate gloves to handle mounting panels (DLG 81/08).

Enclosure dimensions		Dimensions mounting panel		Code
Height, H	Width, L	Height A	Width B	
1000	600	883	486	RZPCE1060
	800	883	686	RZPCE1080
	1000	883	886	RZPCE10100
1200	600	1083	486	RZPCE1260
	800	1083	686	RZPCE1280
	1000	1083	886	RZPCE12100
1400	600	1283	486	RZPCE1460
	800	1283	686	RZPCE1480
	1000	1283	886	RZPCE14100
	1200	1283	1086	RZPCE14120
	1600	1283	1486	RZPCE14160
1600	400	1483	286	RZPCE1640
	600	1483	486	RZPCE1660
	800	1483	686	RZPCE1680
	1000	1483	886	RZPCE16100
	1200	1483	1086	RZPCE16120
1800	300	1683	186	RZPCE1830
	400	1683	286	RZPCE1840
	600	1683	486	RZPCE1860
	800	1683	686	RZPCE1880
	1000	1683	886	RZPCE18100
	1200	1683	1086	RZPCE18120
2000	300	1883	186	RZPCE2030
	400	1883	286	RZPCE2040
	600	1883	486	RZPCE2060
	800	1883	686	RZPCE2080
	1000	1883	886	RZPCE20100
	1200	1883	1086	RZPCE20120
	1400	1883	1286	RZPCE20140
	1600	1883	1486	RZPCE20160
2200	300	2083	186	RZPCE2230
	400	2083	286	RZPCE2240
	600	2083	486	RZPCE2260
	800	2083	686	RZPCE2280
	1000	2083	886	RZPCE22100
	1200	2083	1086	RZPCE22120

Reinforcement cross rails for front entry mounting panels

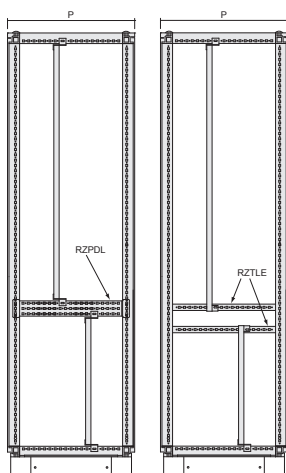


- Suitable for particularly heavy components mounting.
- The supply contains two reinforcement rails and fasteners necessary for installation



Enclosure width	Code
600	RZRPC60
800	RZRPC80
1000	RZRPC100
1200	RZRPC120
1400	RZRPC140
1600	RZRPC160

Partial mounting panels for CQE and CAE



- Manufactured of Sendzimir galvanized steel th. 25/10.
- 25 mm pitch for mounting to the structure with a possibility to mount the panel in the utmost position flush with the uprights.
- Complete with cleat angles and fasteners.
- 1 pack of side bars (art. RZPDL) corresponding to the enclosure depth is to be ordered separately.
- In case of modular doors, horizontal partition panels and/or slamming strips, 1 pack of side cross rails (code: RZTLE or RZPLE) corresponding to the enclosure depth is to be ordered separately.
- Max. load 200 Kg/m²

Dimensions mounting panel		Enclosure width	Code
Height	Width		
595	486	600	RZPCPE66
795	486	600	RZPCPE86
995	486	600	RZPCPE106
1195	486	600	RZPCPE126
595	686	800	RZPCPE68
795	686	800	RZPCPE88
995	686	800	RZPCPE108
1195	686	800	RZPCPE128
595	886	1000	RZPCPE610
795	886	1000	RZPCPE810
995	886	1000	RZPCPE1010
1195	866	1000	RZPCPE1210

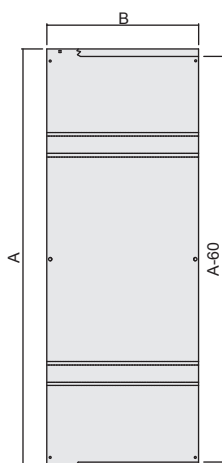
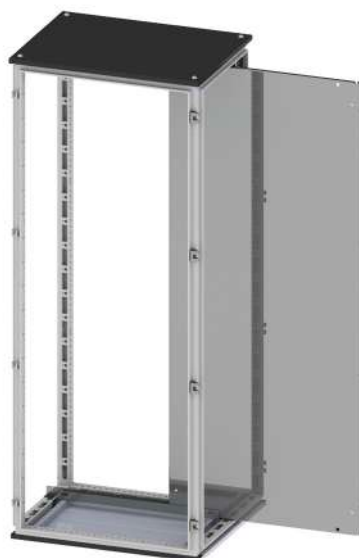
Kit of support cleat angles for partial mounting panels



Code: RZAE05

- Manufactured of Sendzimir galvanized steel.
- May be fixed both at the top or in the centre of a panel by means of the holes provided on the panels.
- In case of mounting in the central part, side cross rails (code: RZTLE) are to be ordered separately.

Side entry mounting panel for CQE

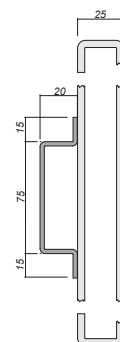


- Manufactured of Sendzimir galvanized steel 25/10 or 30/10 thick (depending on the dimensions).
- Pitch of mounting to the structure equal to 25 mm.
- Mounting guides included to the supply.
- Max. distance between the door and mounting panel is equal to $P - 105$. For example, in case of R5CQE2086 $P = 600$ mm. Max. distance = $600 - 105 = 495$ mm.
- Max. load: 300 Kg/m^2 (max 600 Kg)

Reinforcement cross rails for side entry mounting panel

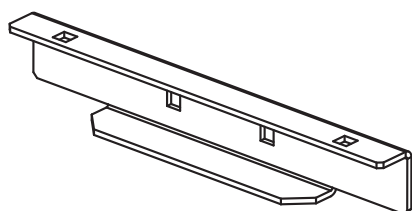
Code: RZRPCSE30

- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Suitable for particularly heavy components mounting.
- The required length is to be specified at the order.
- Sold by the linear meter.
- Pack of 2 pieces complete with mounting accessories.



Enclosure dimensions		Dimensions mounting panel		Code
Height, H	Width, L	Height A	Width B	
1600	600	1485	600	RZPCSE1660
1600	800	1485	800	RZPCSE1680
1600	1000	1485	1000	RZPCSE16100
1600	1200	1485	1200	RZPCSE16120
1800	600	1685	600	RZPCSE1860
1800	800	1685	800	RZPCSE1880
1800	1000	1685	1000	RZPCSE18100
1800	1200	1685	1200	RZPCSE18120
2000	600	1885	600	RZPCSE2060
2000	800	1885	800	RZPCSE2080
2000	1000	1885	1000	RZPCSE20100
2000	1200	1885	1200	RZPCSE20120
2000	1400	1885	1400	RZPCSE20140
2000	1600	1885	1600	RZPCSE20160
2200	600	2085	600	RZPCSE2260
2200	800	2085	800	RZPCSE2280
2200	1000	2085	1000	RZPCSE22100
2200	1200	2085	1200	RZPCSE22120

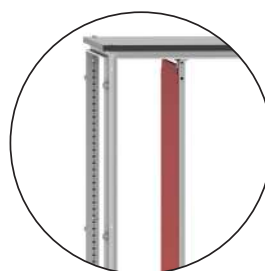
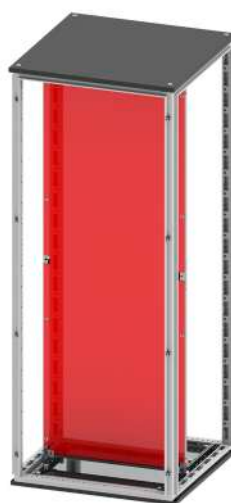
Joining kits for side entry mounting panel



Code: RZKUPCSE

- Manufactured in Sendzimir galvanized steel.
- Allows to join the two mounting panels to side entry.
- Pack of 2 pieces complete with mounting accessories.

Complementary plate for front entry mounting panels



- Manufactured of 25/10 thick Sendzimir galvanized steel.
- To be screwed directly to the rear side of a mounting panel to allow components installation both at the front and at the back of it, reducing the dimensions to a minimum.
- Complete with fasteners.

Enclosure dimensions		Complementary plate dimensions		Code
Height, H	Width, L	Height A	Width B	
1800	600	1650	480	RZPSP1860
1800	800	1650	680	RZPSP1880
1800	1000	1650	880	RZPSP18100
1800	1200	1650	1080	RZPSP18120
2000	600	1850	480	RZPSP2060
2000	800	1850	680	RZPSP2080
2000	1000	1850	880	RZPSP20100
2000	1200	1850	1080	RZPSP20120

Inward installation kit for front entry mounting panels



Code: RZAE06

- Manufactured of Sendzimir galvanized steel.
- Allows the inward panel installation placing it in the utmost position flush with the uprights.
- Pack of 2 pieces complete with fasteners.
- To be mounted in the lower part of the enclosure in substitution of the standard supports provided with the panel.
- Max. distance between the door and the mounting panel is equal to $P - 57$. For example, in case of an enclosure with the depth of 600 mm, the maximum distance between the door and the mounting panel is $600 - 57 = 543$ mm.

Mounting kit for front entry mounting panels



Code: RAAE07

- Accessories for mounting panels (RZPCE) installation.
- This accessory is included with mounting panels.
- This accessory may be ordered separately.

Modular plinth for CQE and CAE

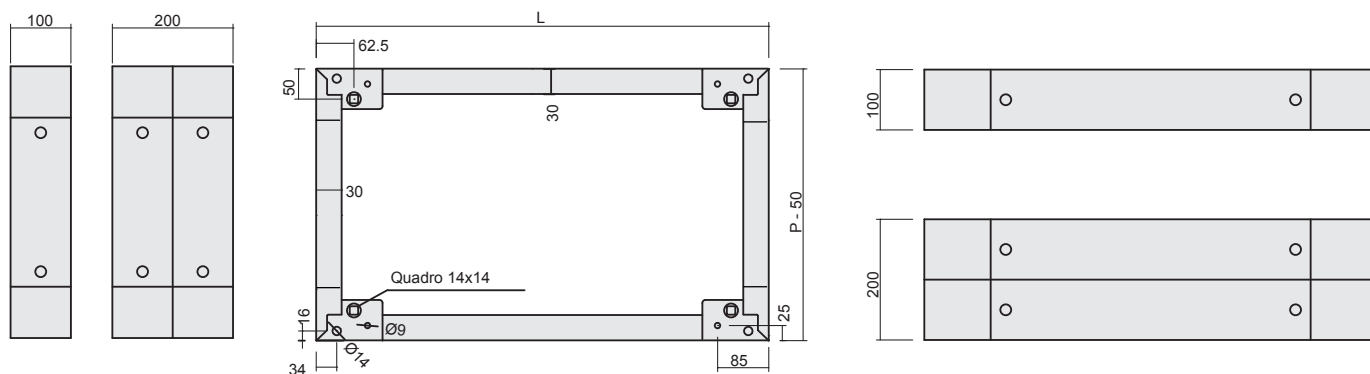


- Manufactured of 20/10 thick sheet steel painted textured RAL 7011.
- Removable front, back and sides allowing a free passage of cables.
- 100 and 200 mm high.
- Complete with fasteners

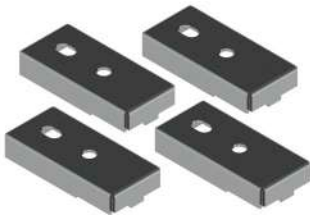
ACCESSORIES

Plinth height	Enclosure width, L	Enclosure depth, P				
		300	400	500	600	800
100	200	-	-	R1ZE251	R1ZE261	R1ZE281
	300	R1ZE331	R1ZE341	R1ZE351	R1ZE361	R1ZE381
	400	R1ZE431	R1ZE441	R1ZE451	R1ZE641	R1ZE841
	600	R1ZE631	R1ZE641	R1ZE651	R1ZE661	R1ZE861
	800	R1ZE831	R1ZE841	R1ZE851	R1ZE861	R1ZE881
	1000	R1ZE1031	R1ZE1041	R1ZE1051	R1ZE1061	R1ZE1081
	1200	-	R1ZE1241	R1ZE1251	R1ZE1261	R1ZE1281
	1400	-	R1ZE1441	R1ZE1451	R1ZE1461	R1ZE1481
	1600	-	R1ZE1641	R1ZE1651	R1ZE1661	R1ZE1681
	1800	-	R1ZE1841	-	-	-
	2000	-	R1ZE2041	-	-	-
200	200	-	-	R1ZE252	R1ZE262	R1ZE282
	300	R1ZE332	R1ZE342	R1ZE352	R1ZE362	R1ZE382
	400	R1ZE432	R1ZE442	R1ZE452	R1ZE642	R1ZE842
	600	R1ZE632	R1ZE642	R1ZE652	R1ZE662	R1ZE862
	800	R1ZE832	R1ZE842	R1ZE852	R1ZE862	R1ZE882
	1000	R1ZE1032	R1ZE1042	R1ZE1052	R1ZE1062	R1ZE1082
	1200	-	R1ZE1242	R1ZE1252	R1ZE1262	R1ZE1282
	1400	-	R1ZE1442	R1ZE1452	R1ZE1462	R1ZE1482
	1600	-	R1ZE1642	R1ZE1652	R1ZE1662	R1ZE1682
	1800	-	R1ZE1842	-	-	-
	2000	-	R1ZE2042	-	-	-

❑ Codes nearing obsolescence. For new plinth references, see page 97-98



Floor clamp for modular plinth



Code: RZKFP01

- Manufactured of 30/10 thick Sendzimir galvanized steel.
- Pack of 4 pieces.



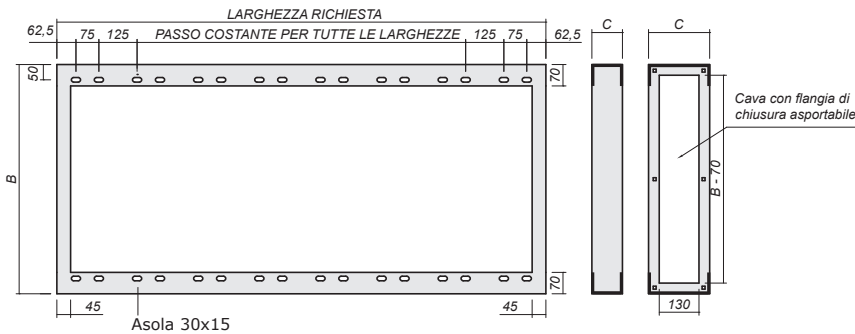
Codes nearing obsolescence. For new plinth references, see page 97-98

Solid plinth of press-formed steel for CQE



- Manufactured of 30/10 thick press-formed sheet steel, C-profiled, painted smooth RAL 7011.
- Complete with side blanking plates (only for 200 height) and fasteners.
- The required length is to be specified at the order.
- Sold by the linear meter.
- Not applicable to CAE and DAE enclosures.
- In case of a 300 mm wide cable chamber with front access, the configuration of enclosure bayed system is to be provided with the order for appropriate plinth drilling.

Enclosure depth P	Plinth dimensions			Code
	Depth B	Height C	Length L	
400	350	100	specificare nell'ordine	R1ZUE41
500	450	100	specificare nell'ordine	R1ZUE51
600	550	100	specificare nell'ordine	R1ZUE61
800	750	100	specificare nell'ordine	R1ZUE81
400	350	200	specificare nell'ordine	R1ZUE42
500	450	200	specificare nell'ordine	R1ZUE52
600	550	200	specificare nell'ordine	R1ZUE62
800	750	200	specificare nell'ordine	R1ZUE82

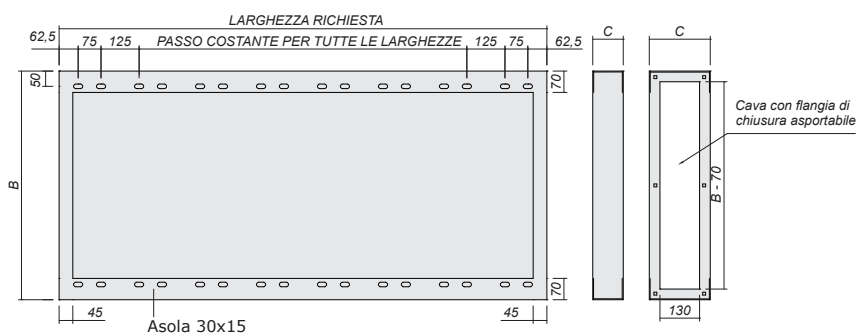


Blind plinth for CQE

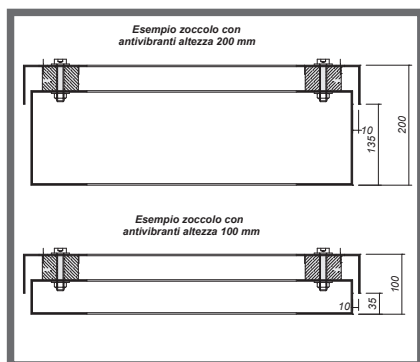


- Manufactured of 20/10 thick steel, painted smooth RAL 7011.
- Complete with side flanges (only for 200 height) and fasteners.
- The required length is to be specified at the order.
- Sold by the linear meter.
- Not applicable to CAE enclosure.
- In case of a 300 mm wide cable chamber with front access, the configuration of enclosure bayed system is to be provided with the order for appropriate plinth drilling.

Enclosure depth P	Plinth dimensions			Code
	Depth B	Height C	Length L	
400	350	100	specificare nell'ordine	R1ZVE41
500	450	100	specificare nell'ordine	R1ZVE51
600	550	100	specificare nell'ordine	R1ZVE61
800	750	100	specificare nell'ordine	R1ZVE81
400	350	200	specificare nell'ordine	R1ZVE42
500	450	200	specificare nell'ordine	R1ZVE52
600	550	200	specificare nell'ordine	R1ZVE62
800	750	200	specificare nell'ordine	R1ZVE82



Earthquake resistant plinth for CQE and CAE



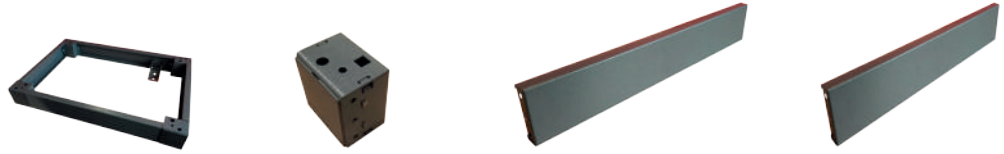
- EUCENTRE earthquake simulation test report available
- Manufactured of 25/10 thick sheet steel, painted smooth RAL 7011.
- Available with 100 and 200 mm height.
- Complete with vibration dampers and fasteners.
- Available upon request. The enclosure length is to be specified at the order.
- Sold by the linear meter.

Enclosure depth P	Length L	Code for 100 mm height	Code for 200 mm height
400	specificare nell'ordine	R1ZAE41	R1ZAE42
500	specificare nell'ordine	R1ZAE51	R1ZAE52
600	specificare nell'ordine	R1ZAE61	R1ZAE62
800	specificare nell'ordine	R1ZAE81	R1ZAE82

New plinths H100

Conversion table: from plinths running low to new plinths codes
The new plinths are made by matching the Angular + Front flange + Side flange

- Angular sheet steel sp. 25/10 painted RAL 7011 textured
- Front and side flanges in sheet steel sp. 15/10 painted RAL 7011 textured
- Height 100 mm
- Complete with mounting bolts and screws



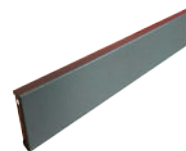
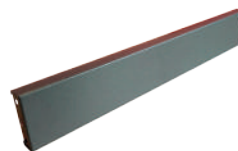
Running low plinth code	Plinth code	Angular code	Front flange code	Side flange code
R1ZE251	R1ZC20501			
R1ZE261	R1ZC20601			
R1ZE281	R1ZC20801			
R1ZE331		R1ZCOR1	R1ZPRO301	R1ZPRO301
R1ZE341		R1ZCOR1	R1ZPRO301	R1ZPRO401
R1ZE351		R1ZCOR1	R1ZPRO301	R1ZPRO501
R1ZE361		R1ZCOR1	R1ZPRO301	R1ZPRO601
R1ZE381		R1ZCOR1	R1ZPRO301	R1ZPRO801
R1ZE431		R1ZCOR1	R1ZPRO401	R1ZPRO301
R1ZE441		R1ZCOR1	R1ZPRO401	R1ZPRO401
R1ZE451		R1ZCOR1	R1ZPRO401	R1ZPRO501
R1ZE461		R1ZCOR1	R1ZPRO401	R1ZPRO601
R1ZE481		R1ZCOR1	R1ZPRO401	R1ZPRO801
R1ZE631		R1ZCOR1	R1ZPRO601	R1ZPRO301
R1ZE641		R1ZCOR1	R1ZPRO601	R1ZPRO401
R1ZE651		R1ZCOR1	R1ZPRO601	R1ZPRO501
R1ZE661		R1ZCOR1	R1ZPRO601	R1ZPRO601
R1ZE831		R1ZCOR1	R1ZPRO801	R1ZPRO301
R1ZE841		R1ZCOR1	R1ZPRO801	R1ZPRO401
R1ZE851		R1ZCOR1	R1ZPRO801	R1ZPRO501
R1ZE861		R1ZCOR1	R1ZPRO801	R1ZPRO601
R1ZE881		R1ZCOR1	R1ZPRO801	R1ZPRO801
R1ZE1031		R1ZCOR1	R1ZPRO1001	R1ZPRO301
R1ZE1041		R1ZCOR1	R1ZPRO1001	R1ZPRO401
R1ZE1051		R1ZCOR1	R1ZPRO1001	R1ZPRO501
R1ZE1061		R1ZCOR1	R1ZPRO1001	R1ZPRO601
R1ZE1081		R1ZCOR1	R1ZPRO1001	R1ZPRO801
R1ZE1241		R1ZCOR1	R1ZPRO1201	R1ZPRO401
R1ZE1251		R1ZCOR1	R1ZPRO1201	R1ZPRO501
R1ZE1261		R1ZCOR1	R1ZPRO1201	R1ZPRO601
R1ZE1281		R1ZCOR1	R1ZPRO1201	R1ZPRO801
R1ZE1441		R1ZCOR1	R1ZPRO1401	R1ZPRO401
R1ZE1451		R1ZCOR1	R1ZPRO1401	R1ZPRO501
R1ZE1461		R1ZCOR1	R1ZPRO1401	R1ZPRO601
R1ZE1481		R1ZCOR1	R1ZPRO1401	R1ZPRO801
R1ZE1641		R1ZCOR1	R1ZPRO1601	R1ZPRO401
R1ZE1651		R1ZCOR1	R1ZPRO1601	R1ZPRO501
R1ZE1661		R1ZCOR1	R1ZPRO1601	R1ZPRO601
R1ZE1681		R1ZCOR1	R1ZPRO1601	R1ZPRO801
R1ZE1841		R1ZCOR1	R1ZPRO1801	R1ZPRO401
R1ZE2041		R1ZCOR1	R1ZPRO2001	R1ZPRO401

New plinths H200

Conversion table: from plinths running low to new plinths codes

The new plinths are made by matching the Angular + Front flange + Side flange

- Angular sheet steel sp. 25/10 painted RAL 7011 textured
- Front and side flanges in sheet steel sp. 15/10 painted RAL 7011 textured
- Height 200 mm
- Complete with mounting bolts and screws



Running low plinth code	Plinth code	Angular code	Front flange code	Side flange code
R1ZE252	R1ZC20502			
R1ZE262	R1ZC20602			
R1ZE282	R1ZC20802			
R1ZE332		R1ZCOR2	R1ZPRO302	R1ZPRO302
R1ZE342		R1ZCOR2	R1ZPRO302	R1ZPRO402
R1ZE352		R1ZCOR2	R1ZPRO302	R1ZPRO502
R1ZE362		R1ZCOR2	R1ZPRO302	R1ZPRO602
R1ZE382		R1ZCOR2	R1ZPRO302	R1ZPRO802
R1ZE432		R1ZCOR2	R1ZPRO402	R1ZPRO302
R1ZE442		R1ZCOR2	R1ZPRO402	R1ZPRO402
R1ZE452		R1ZCOR2	R1ZPRO402	R1ZPRO502
R1ZE462		R1ZCOR2	R1ZPRO402	R1ZPRO602
R1ZE482		R1ZCOR2	R1ZPRO402	R1ZPRO802
R1ZE632		R1ZCOR2	R1ZPRO602	R1ZPRO302
R1ZE642		R1ZCOR2	R1ZPRO602	R1ZPRO402
R1ZE652		R1ZCOR2	R1ZPRO602	R1ZPRO502
R1ZE662		R1ZCOR2	R1ZPRO602	R1ZPRO602
R1ZE862		R1ZCOR2	R1ZPRO802	R1ZPRO602
R1ZE832		R1ZCOR2	R1ZPRO802	R1ZPRO302
R1ZE842		R1ZCOR2	R1ZPRO802	R1ZPRO402
R1ZE852		R1ZCOR2	R1ZPRO802	R1ZPRO502
R1ZE882		R1ZCOR2	R1ZPRO802	R1ZPRO802
R1ZE1032		R1ZCOR2	R1ZPRO1002	R1ZPRO302
R1ZE1042		R1ZCOR2	R1ZPRO1002	R1ZPRO402
R1ZE1052		R1ZCOR2	R1ZPRO1002	R1ZPRO502
R1ZE1062		R1ZCOR2	R1ZPRO1002	R1ZPRO602
R1ZE1082		R1ZCOR2	R1ZPRO1002	R1ZPRO802
R1ZE1242		R1ZCOR2	R1ZPRO1202	R1ZPRO402
R1ZE1252		R1ZCOR2	R1ZPRO1202	R1ZPRO502
R1ZE1262		R1ZCOR2	R1ZPRO1202	R1ZPRO602
R1ZE1282		R1ZCOR2	R1ZPRO1202	R1ZPRO802
R1ZE1442		R1ZCOR2	R1ZPRO1402	R1ZPRO402
R1ZE1452		R1ZCOR2	R1ZPRO1402	R1ZPRO502
R1ZE1462		R1ZCOR2	R1ZPRO1402	R1ZPRO602
R1ZE1482		R1ZCOR2	R1ZPRO1402	R1ZPRO802
R1ZE1642		R1ZCOR2	R1ZPRO1602	R1ZPRO402
R1ZE1652		R1ZCOR2	R1ZPRO1602	R1ZPRO502
R1ZE1662		R1ZCOR2	R1ZPRO1602	R1ZPRO602
R1ZE1682		R1ZCOR2	R1ZPRO1602	R1ZPRO802
R1ZE1842		R1ZCOR2	R1ZPRO1802	R1ZPRO402
R1ZE2042		R1ZCOR2	R1ZPRO2002	R1ZPRO402

Plinths fixing brackets



- Made of galvanized steel sheet sp. 25/10
- Pack of 4 pieces

Two types of brackets are available for the new H100 and H200 plinths

Fixing bracket type A
Code: RZKFSCOR02



Fixing bracket type B
Code: RZFSCOR01

0 – 50 mm levelling feet for CQE and CAE



Code: RAA45

- Thread length: 50 mm.
- M12 thread.
- Overall foot height: 70 mm.
- Allow to equalize floor unevenness.
- Pack of 4 pieces.
- Max. constant load for each levelling foot: 300 kg.
- To be applied below the enclosure base when no plinth is used.

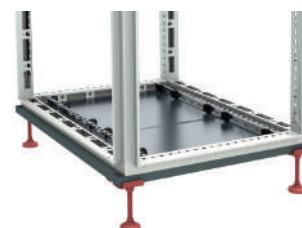
50 – 100 mm leveling feet for CQE and CAE



Code: RAA53

- Thread length: 100 mm.
- M12 thread.
- Overall foot height: 125 mm.
- Allow to equalize floor unevenness.
- Pack of 4 pieces complete with support plates and fasteners.
- Max. constant load for each levelling foot: 300 kg.

N.B. To be applied directly below the base of CQE and CAE enclosures or below the modular plinth for CQE and CAE.

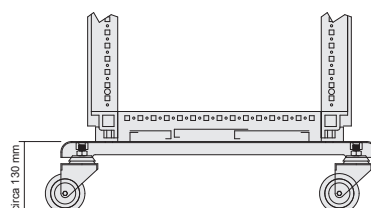
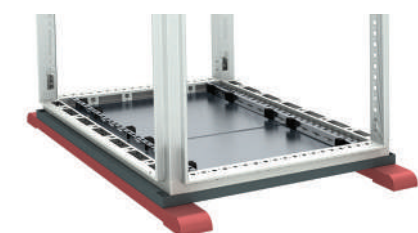


Castors supports for CQE and CAE



- Manufactured of 20/10 thick sheet steel painted textured RAL 7011.
- Pack of 2 pieces non including castors, to be ordered separately (code: RZA41).
- Suitable for CQE and CAE enclosures.

Enclosure depth, P	Code
400	R1A46
500	R1A47
600	R1A48
800	R1A49



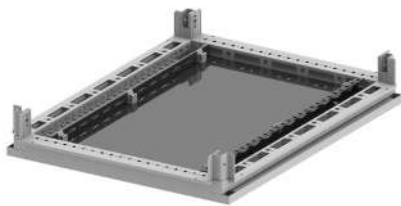
Castors



Code: RZA41

- To be used with castors supports or directly fixed to the enclosure.
- Load: 80 kg per each castor.
- Pack of 4 pieces (two provided with a break component and two with no break component).

Solid bottom for CQE and CAE enclosures



- Manufactured of 20/10 thick galvanized steel.
- A complementary accessory, necessary to guarantee the IP65 protection degree as per EN 60529/IEC EN 62208.
- Provided with an IP seal and mounting accessories.
- The enclosure width and depth is to be specified at the order.

Example for an R5CQE2086 enclosure:

Width 800 mm

Depth 600 mm

solid bottom RZFUC86.

Enclosure dimensions		Code
Width, L	Depth, P	
400	400	RZFUC44
400	500	RZFUC45
400	600	RZFUC46
400	800	RZFUC48
600	300	RZFUC63
600	400	RZFUC64
600	500	RZFUC65
600	600	RZFUC66
600	800	RZFUC68
800	300	RZFUC83
800	400	RZFUC84
800	500	RZFUC85
800	600	RZFUC86
800	800	RZFUC88
1000	300	RZFUC103
1000	400	RZFUC104
1000	500	RZFUC105
1000	600	RZFUC106
1000	800	RZFUC108

Universal seal profiles for bottom plate



- Allow the passage of cables between the bottom plates providing at the same time an appropriate protection degree.
- Seal dimensions: 25 x 25 mm.
- Preserve the enclosure protection degree if mounted in compliance with a masterly practice.

Enclosure width, L	Code
400	RZFPC400
600	RZFPC600
800	RZFPC800
1000	RZFPC1000
1200	RZFPC1200
1400	RZFPC1400
1600	RZFPC1600

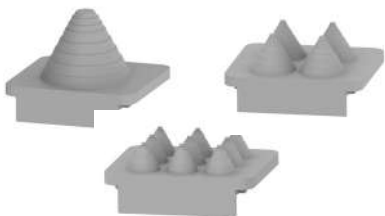
Cable gland plate for CQE and CAE



- Adjustable cable entry plate used for cable gland application
- Material: 15/10 thick galvanized steel
- Complete with mounting accessories

Enclosure width	Code	Openings	Pack/pcs
600	RZFMP600	4	2
800	RZFMP800	6	2
1000	RZFMP1000	8	2
1200	RZFMP1200	10	2

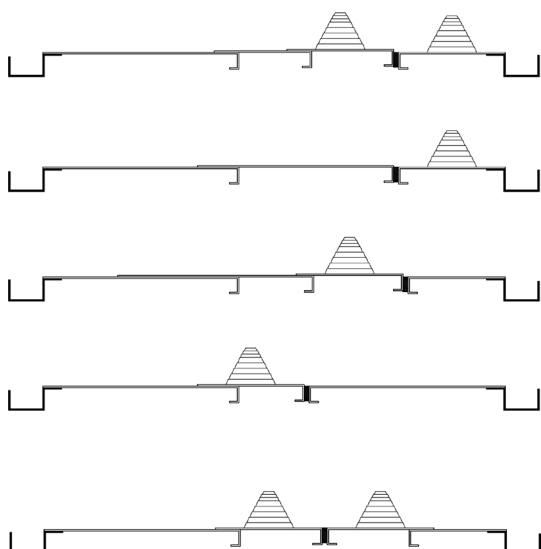
Cable grommet



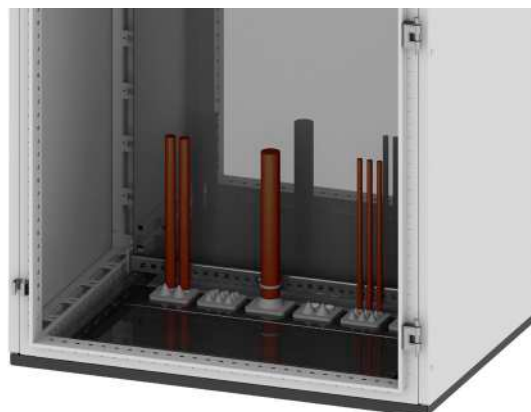
- Utilized specifically with a cable gland plate, allow the ingress of cables with different section diameters.
- Material: polypropylene as the main material and thermoplastic elastomeric material as a surface coating.

Description	Code	Number of cable for grommet	Max. cable section diameter (mm)	Pack/pcs
Single entry cable grommet	RAMP01	1	47	20
Four-entry cable grommet	RAMP04	4	21	20
Nine-entry cable grommet	RAMP09	9	13	20

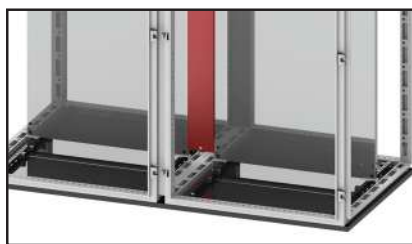
Possibility of adjuste plates



Mounting examples



Coupler for front entry mounting panels for CQE



- Manufactured of 25/10 thick Sendzimir galvanized steel.
- Suitable to provide the continuity of mounting panels in enclosure systems bayed side by side.
- Complete with mounting accessories.

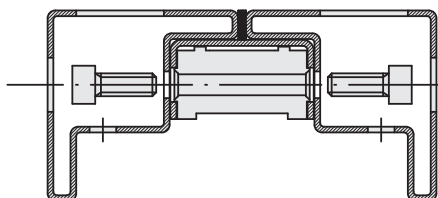
Enclosure height H	Code
1400	RZPIE14
1600	RZPIE16
1800	RZPIE18
2000	RZPIE20
2200	RZPIE22

Baying kit for CQE



Code: RZKE65

- Complete with 8 spacers, adhesive seal for IP protection degree and fasteners.
- For particularly heavy systems it is recommended to order a flat (code RZKRE65) or L-shaped (code RZKSRE65) baying reinforcement kit.

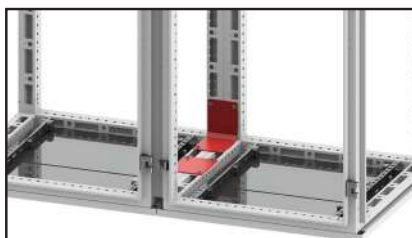


Baying reinforcement kit for CQE

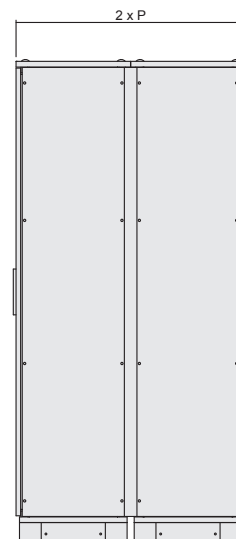
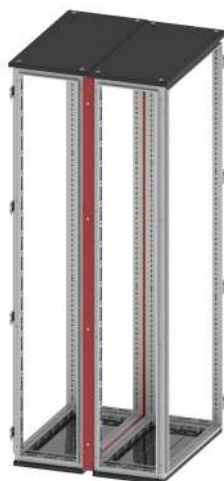


- Manufactured 30/10 thick galvanized steel.
- Pack of 4 pieces including fasteners.

Type of reinforcement	Code
L-shaped	RZKSRE65
Flat shaped	RZKRE65



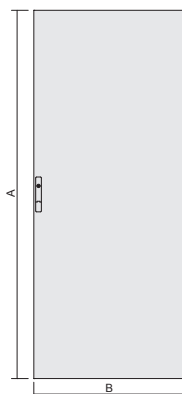
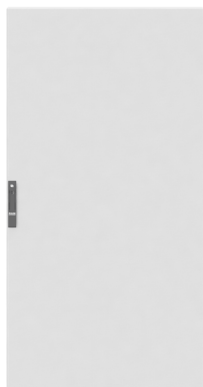
Back-to-back baying kit for CQE



- With the help of this frame it is possible to joint two enclosures back-to-back maintaining the IP55 protection degree as per EN 60529/IEC EN 62208.
- Painted textured RAL 7035.
- Complete with mounting fasteners and seal.

Enclosure dimensions		Code
Height, H	Width, L	
1800	600	R5KFRE1860
1800	800	R5KFRE1880
1800	1000	R5KFRE18100
1800	1200	R5KFRE18120
2000	600	R5KFRE2060
2000	800	R5KFRE2080
2000	1000	R5KFRE20100
2000	1200	R5KFRE20120
2200	600	R5KFRE2260
2200	800	R5KFRE2280
2200	1000	R5KFRE22100
2200	1200	R5KFRE22120

Blank door for CQE and CAE

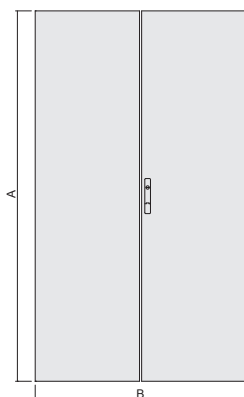


- Manufactured of 20/10 thick sheet steel painted textured RAL 7035 with safety edges.
- Internal reinforcement frame made of tubular profile.
- 4 hinges and 4 closing points.
- Complete with mounting accessories.
- Key escutcheon with double-bit lock insert Ø3mm.
- Max. load: 75 kg.

Enclosure dimensions		Door dimensions		Number of doors	Code
Height, H	Width, L	Height, A	Width, B		
1000	600	955	594	1	R5CPE1060
	800	955	794	1	R5CPE1080
	1000	955	994	1	R5CPE10100
1200	600	1155	594	1	R5CPE1260
	800	1155	794	1	R5CPE1280
	1000	1155	994	1	R5CPE12100
1400	600	1355	594	1	R5CPE1460
	800	1355	794	1	R5CPE1480
	1000	1355	994	1	R5CPE14100
	1200	1355	1194	2	R5CPE14120 •
	1600	1355	1594	2	R5CPE14160 •
1600	400	1555	394	1	R5CPE1640
	600	1555	594	1	R5CPE1660
	800	1555	794	1	R5CPE1680
	1000	1555	994	1	R5CPE16100
	1200	1555	1194	2	R5CPE16120 •
1800	300	1755	294	1	R5CPE1830
	400	1755	394	1	R5CPE1840
	600	1755	594	1	R5CPE1860
	800	1755	794	1	R5CPE1880
	1000	1755	994	1	R5CPE18100
	1200	1755	1194	2	R5CPE18120 •
2000	300	1955	294	1	R5CPE2030
	400	1955	394	1	R5CPE2040
	600	1955	594	1	R5CPE2060
	800	1955	794	1	R5CPE2080
	1000	1955	994	1	R5CPE20100
	1200	1955	1194	2	R5CPE20120 •
	1400	1955	1394	2	R5CPE20140 •
	1600	1955	1594	2	R5CPE20160 •
2200	300	2155	294	1	R5CPE2230
	400	2155	394	1	R5CPE2240
	600	2155	594	1	R5CPE2260
	800	2155	794	1	R5CPE2280
	1000	2155	994	1	R5CPE22100
	1200	2155	1194	2	R5CPE22120 •

• Double door

Double blank door for CQE and CAE



- Manufactured of 20/10 thick sheet steel painted textured RAL 7035 with rounded safety edges.
- Internal reinforcement frame made of tubular profile.
- 8 hinges and 4 closing points.
- Complete with mounting accessories.
- Key escutcheon with double-bit lock insert Ø3mm.
- Ledged doors of different dimensions available upon request (ex.: L = 1000 = 400 + 600).
- Max. load: 75 kg per each leaf.

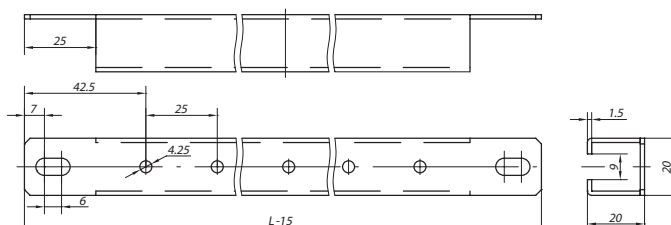
Enclosure dimensions		Door dimensions		Code
Height, H	Width, L	Height, A	Width, B	
1400	800	1355	794	R5CPE1481
1600	800	1555	794	R5CPE1681
1600	1000	1555	994	R5CPE16101
1800	800	1755	794	R5CPE1881
1800	1000	1755	994	R5CPE18101
2000	800	1955	794	R5CPE2081
2000	1000	1955	994	R5CPE20101
2200	800	2155	794	R5CPE2281
2200	1000	2155	994	R5CPE22101

Door cross rail

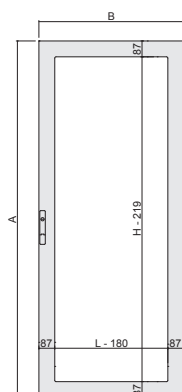


- Manufactured of 20/10 thick Sendzimir galvanized steel.
- To be anchored directly to the reinforcement tubular profile provided on the door (only for blank doors).
- Suitable to fix ducts and other accessories.
- Pack of 10 pieces complete with fasteners.

Door width	Code
500	RZTPE50
600	RZTPE60
700	RZTPE70
800	RZTPE80
1000	RZTPE100



Glazed door for CQE and CAE

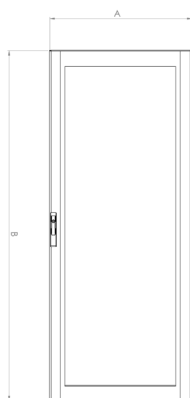


- Manufactured of 20/10 thick sheet steel painted textured RAL 7035 with rounded safety edges.
- 4 hinges.
- 4 closing points.
- Complete with mounting accessories.
- Locking element complete with double-bit lock insert Ø3mm.
- 40/10 thick safety glass.
- 1200 wide doors are double-folding.

Enclosure dimensions		Door dimensions		Code
Height, H	Width, L	Height, A	Width, B	
1000	600	955	594	R5CPTE1060
	800	955	794	R5CPTE1080
	1000	955	994	R5CPTE10100
1200	600	1155	594	R5CPTE1260
	800	1155	794	R5CPTE1280
	1000	1155	994	R5CPTE12100
1400	600	1355	594	R5CPTE1460
	800	1355	794	R5CPTE1480
	1000	1355	994	R5CPTE14100
1600	600	1555	594	R5CPTE1660
	800	1555	794	R5CPTE1680
	1000	1555	994	R5CPTE16100
1800	600	1755	594	R5CPTE1860
	800	1755	794	R5CPTE1880
	1000	1755	994	R5CPTE18100
	1200	1755	1194	R5CPTE18120*
2000	600	1955	594	R5CPTE2060
	800	1955	794	R5CPTE2080
	1000	1955	994	R5CPTE20100
	1200	1955	1194	R5CPTE20120*
2200	600	2155	594	R5CPTE2260
	800	2155	794	R5CPTE2280
	1000	2155	994	R5CPTE22100
	1200	2155	1194	R5CPTE22120*

*double door

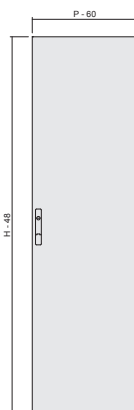
Screen-printed glazed door for CQE and CAE



- Manufactured of 20/10 thick sheet steel painted textured RAL 7035 with rounded safety edges.
- 4 hinges.
- 4 closing points.
- Mounting accessories included to the supply.
- Locking element complete with double-bit lock insert Ø3mm.
- 4 mm thick smoked safety glass.

Enclosure dimensions		Door dimensions		Code
Height, H	Width, L	Height, A	Width, B	
1600	600	1555	594	R5CPTED1660
1600	800	1555	794	R5CPTED1680
1800	600	1755	594	R5CPTED1860
1800	800	1755	794	R5CPTED1880
2000	600	1955	594	R5CPTED2060
2000	800	1955	794	R5CPTED2080

Side door for CQE



- Manufactured if 20/10 thick sheet steel painted textured RAL 7035.
- Internal reinforcement frame made of tubular profile.
- Max. opening: 100° approximately.
- Key escutcheon with double-bit lock insert Ø3mm.
- Complete with mounting accessories.
- Max. load: 60 kg.
- Protection degree: IP55 as per EN 60529/IEC EN 62208.

Enclosure dimensions		Code
Height, H	Width, L	
1800	500	R5CPLE1850
1800	600	R5CPLE1860
1800	800	R5CPLE1880
2000	500	R5CPLE2050
2000	600	R5CPLE2060
2000	800	R5CPLE2080
2200	500	R5CPLE2250
2200	600	R5CPLE2260
2200	800	R5CPLE2280

Safety cross rail for CQE



- Manufactured of treated wood painted RAL 3000.
- Usable in substitution of doors.
- Particularly suitable for technical rooms or electrical system shelters.
- Support brackets are also required (RZSTS).

Enclosure width	Code
600	RATS600
800	RATS800
1000	RATS1000
1200	RATS1200

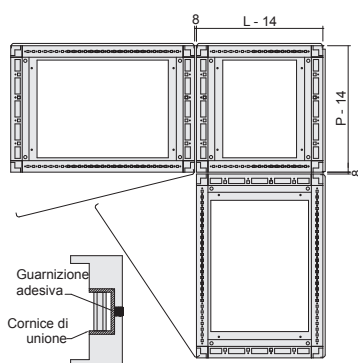
Support brackets for safety cross rails



Code: RZSTS

- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Pack of 2 pieces complete with fasteners.

Corner enclosure



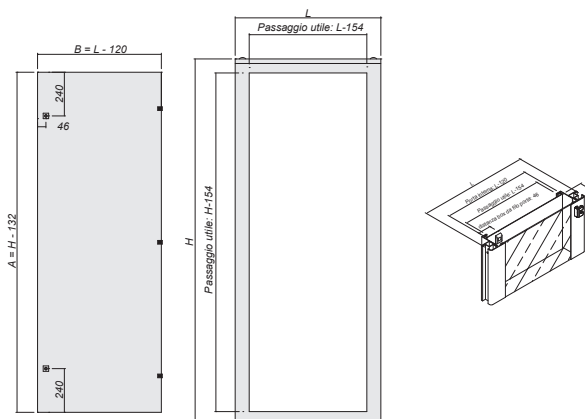
- Structure made on the basis of CQE series enclosures, painted textured RAL 7035.
- Roof and base painted textured RAL 7011.
- Complete with 2 frames for side enclosures baying and 2 removable rear panels.
- Available upon request.
- The required height, width and depth are to be specified at the order.
- Mounting panel (customized product) is to be ordered separately.
- IP55 protection degree as per EN 60529/IEC EN 62208.

Dimensions			Code	Plinth code for corner enclosure	
Height, H	Width, L	Depth, P		H 100	H 200
1800	500	500	R5CQEA1855	R1ZEA551	R1ZEA552
	600	600	R5CQEA1866	R1ZEA661	R1ZEA662
	800	800	R5CQEA1888	R1ZEA881	R1ZEA882
2000	500	500	R5CQEA2055	R1ZEA551	R1ZEA552
	600	600	R5CQEA2066	R1ZEA661	R1ZEA662
	800	800	R5CQEA2088	R1ZEA881	R1ZEA882

Internal door for CQE and CAE



- Manufactured of 20/10 thick sheet steel, folded edges, painted textured RAL 7035.
- Pack of 1 piece complete with uprights and horizontal cross rails for mounting to the structure.
- IP 20 protection degree as per EN 60529/IEC EN 62208.
- Complete with mounting accessories.
- In case of 1000 width, the internal single door is compatible with the external single or double door.
- 1200 wide doors are double-folding and are to be used only with a symmetric external door.



Enclosure dimensions		Internal door dimensions		Usable passage		Code
Height, H	Width, L	Height, A	Width, B	C	D	
1000	600	868	480	846	446	R5PIE1060
	800	868	680	846	646	R5PIE1080
	1000	868	880	846	846	R5PIE10100
1200	600	1068	480	1046	446	R5PIE1260
	800	1068	680	1046	646	R5PIE1280
	1000	1068	880	1046	846	R5PIE12100
1400	600	1268	480	1246	446	R5PIE1460
	800	1268	680	1246	646	R5PIE1480
	1000	1268	880	1246	868	R5PIE14100
1600	600	1468	480	1446	446	R5PIE1660
	800	1468	680	1446	646	R5PIE1680
	1000	1468	880	1446	846	R5PIE16100
1800	600	1668	480	1646	446	R5PIE1860
	800	1668	680	1646	646	R5PIE1880
	1000	1668	880	1646	846	R5PIE18100
	1200	1668	540x2	1646	1046	R5PIE18120
2000	600	1868	480	1846	446	R5PIE2060
	800	1868	680	1846	646	R5PIE2080
	1000	1868	880	1846	846	R5PIE20100
	1200	1868	540x2	1846	1046	R5PIE20120
2200	600	2068	480	2046	446	R5PIE2260
	800	2068	680	2046	646	R5PIE2280
	1000	2068	880	2046	846	R5PIE22100
	1200	2068	540x2	2046	1046	R5PIE22120

Mechanical door interlock for CQE



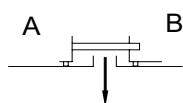
RZAE01



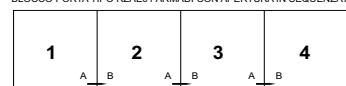
RZAEL01

- Manufactured of 25/10 thick Sendzimir galvanized steel.
- Allows an auxiliary door opening consequently to the opening of the main one.
- Pack of 1 piece complete with fasteners.

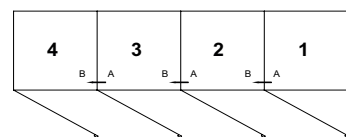
Description	Code
Interlock for sequential doors	RZAE01
Interlock for folding doors	RZAEL01



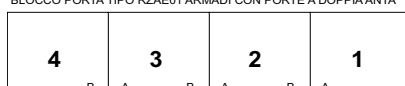
BLOCCO PORTA TIPO RZAE01 ARMADI CON APERTURA IN SEQUENZA ANTA SINGOLA



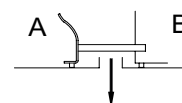
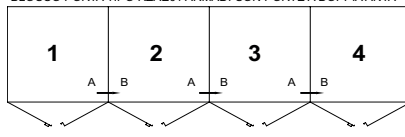
BLOCCO PORTA TIPO RZAE01 ARMADI CON APERTURA IN SEQUENZA ANTA SINGOLA



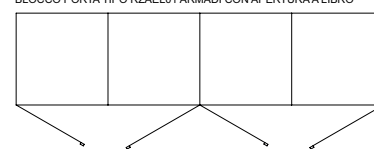
BLOCCO PORTA TIPO RZAE01 ARMADI CON PORTE A DOPPIA ANTA



BLOCCO PORTA TIPO RZAE01 ARMADI CON PORTE A DOPPIA ANTA



BLOCCO PORTA TIPO RZAEL01 ARMADI CON APERTURA A LIBRO



The RZAEL01 system is reversible.

90° Door stop for CQE and CAE



- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Designed to prevent accidental door closing by blocking it in opened position at 90°.
- Pack of 1 piece complete with mounting accessories.

Description	Code
For blank doors	RZAE02
For glazed doors	RZAE09

180° Hinges for CQE and CAE



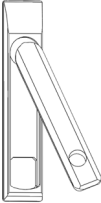
Code: R1CE248

- Manufactured of extruded aluminium painted RAL 7011 with thermosetting powders.
- Allow door opening to 180°.
- Complete with fasteners.
- Pack of 4 pieces.

N.B. Installation of 180° hinges instead of standard ones requires a further door drilling

Locking element with swivel handle (optional)



Picture	Description	Code
	Locking element complete with double-bit lock insert Ø 3 mm	RPCE207*
	Locking element complete with key insert	RPCE201*

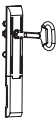
* To be mounted instead of the locking element with large escutcheon (standard provided with all doors).

Locking insert To be mounted instead of standard inserts.

Picture	Description	Dimensions, mm	Code	
			Key	Insert
	Double-bit lock insert Ø 3 mm	3	RZCE230	RZCE219
	Triangle	8	RZCE236	RZCE214
		7	RZCE235	RZCE213
	FIAT type	-	RZCE237	RZCE262
	Square	7	RZCE233	RZCE211
		8	RZCE234	RZCE212

Locking element with large escutcheon (standard provided with all doors)



Picture	Description	Code
	Locking element complete with double-bit lock insert Ø 3 mm	RPCE202*
	Locking element complete with FIAT type insert	RPCE203

* Standard provided with all doors

Locking insert To be mounted instead of standard inserts.

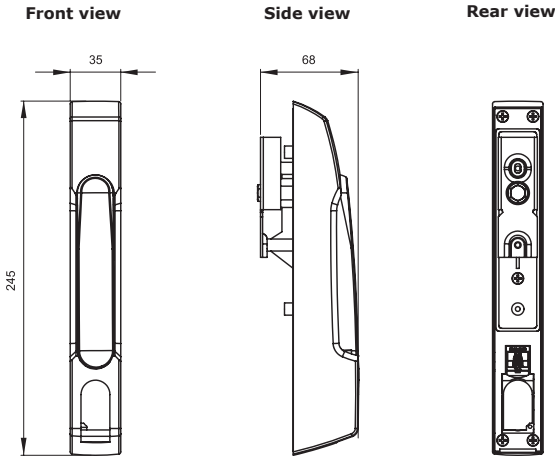
Picture	Description	Dimensions, mm	Code	
			Key	Insert
	Double-bit lock insert Ø 3 mm	3	RZCE230	RZCE219
	Triangle	8	RZCE236	RZCE214
		7	RZCE235	RZCE213
	FIAT type	-	RZCE237	RZCE262
	Square	8	RZCE234	RZCE212
		7	RZCE233	RZCE211

Ergonomic locking element with swivel handle (optional)

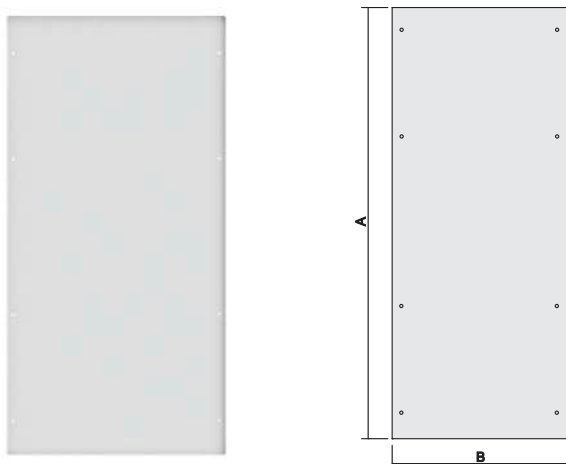


Description	Code
Locking element prepared for DIN type cylinder	RPCE401*
Locking element with button opening	RPCE402*
Padlockable element with double-bit lock insert Ø 3 mm	RPCE403*
Padlockable element with button opening	RPCE404*

* To be mounted instead of the locking element with large escutcheon (standard provided with all doors).



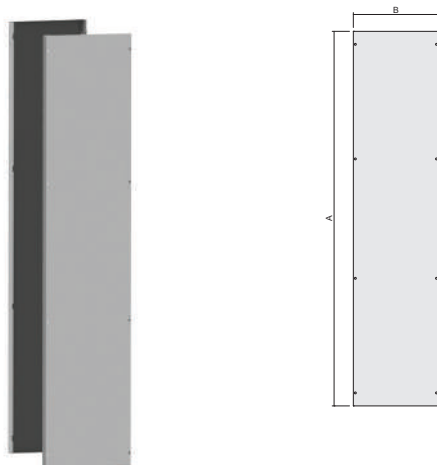
Rear panel for CQE and CAE



- Manufactured of 15/10 thick sheet steel painted textured RAL 7035 with rounded safety edges.
- 8 or more point for mounting to the structure.
- Max. load:
 - Width $\geq$ 800 mm: 75 Kg
 - Width $\leq$ 600 mm: 90 Kg

Enclosure dimensions		Rear panel dimensions		Code
Height, H	Width, L	Height, A	Width, B	
1000	600	955	594	R5CRE1060
	800	955	794	R5CRE1080
	1000	955	994	R5CRE10100
1200	600	1155	594	R5CRE1260
	800	1155	794	R5CRE1280
	1000	1155	994	R5CRE12100
1400	600	1355	594	R5CRE1460
	800	1355	794	R5CRE1480
	1000	1355	994	R5CRE14100
	1200	1355	1194	R5CRE14120
1600	400	1555	394	R5CRE1640
	600	1555	594	R5CRE1660
	800	1555	794	R5CRE1680
	1000	1555	994	R5CRE16100
	1200	1555	1194	R5CRE16120
1800	300	1755	294	R5CRE1830
	400	1755	394	R5CRE1840
	600	1755	594	R5CRE1860
	800	1755	794	R5CRE1880
	1000	1755	994	R5CRE18100
	1200	1755	1194	R5CRE18120
2000	300	1955	294	R5CRE2030
	400	1955	394	R5CRE2040
	600	1955	594	R5CRE2060
	800	1955	794	R5CRE2080
	1000	1955	994	R5CRE20100
	1200	1955	1194	R5CRE20120
	1400	1955	1394	R5CRE20140
	1600	1955	1594	R5CRE20160
2200	300	2155	294	R5CRE2230
	400	2155	394	R5CRE2240
	600	2155	594	R5CRE2260
	800	2155	794	R5CRE2280
	1000	2155	994	R5CRE22100
	1200	2155	1194	R5CRE22120

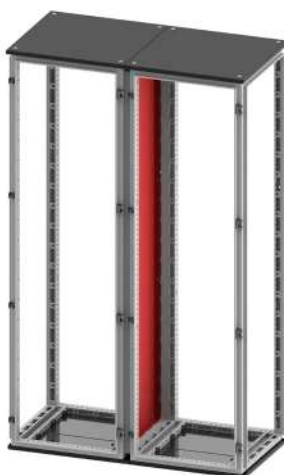
Side panels for CQE



- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- 6 or 8 points of mounting to the structure (depending on the dimensions).
- Pack of 2 pieces complete with mounting accessories.
- Max. load:
 - depth $\geq$ 800 mm: 75 Kg
 - depth $\leq$ 600 mm: 90 Kg

Enclosure dimensions		Side panels dimensions		Code
Height, H	Depth, P	Height, A	Depth, B	
1400	400	1361	346	R5LE1442
1400	500	1361	446	R5LE1452
1600	400	1561	346	R5LE1642
1600	500	1561	446	R5LE1652
1600	600	1561	546	R5LE1662
1800	300	1761	246	R5LE1832
1800	400	1761	346	R5LE1842
1800	500	1761	446	R5LE1852
1800	600	1761	546	R5LE1862
1800	800	1761	746	R5LE1882
1800	1000	1761	946	R5LE18102
1800	1200	1761	1146	R5LE18122
2000	300	1961	246	R5LE2032
2000	400	1961	346	R5LE2042
2000	500	1961	446	R5LE2052
2000	600	1961	546	R5LE2062
2000	800	1961	746	R5LE2082
2000	1000	1961	946	R5LE20102
2000	1200	1961	1146	R5LE20122
2200	300	2161	246	R5LE2232
2200	400	2161	346	R5LE2242
2200	500	2161	446	R5LE2252
2200	600	2161	546	R5LE2262
2200	800	2161	746	R5LE2282
2200	1000	2161	946	R5LE22102
2200	1200	2161	1146	R5LE22122

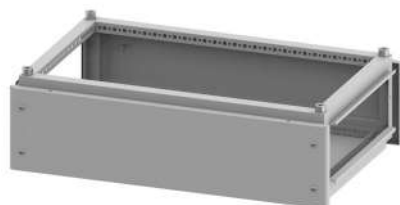
Vertical divider for CQE



- Manufactured of 15/10 thick Sendzimir galvanized steel
- Particularly suitable for bayed enclosure systems division as it creates a blind separation between the structures.
- Protection degree: IP30 as per EN 60529/IEC EN 62208.
- Pack of 1 piece complete with mounting accessories.
- If IP 54 is required, an adhesive seal 8x3 mm (code RAA56) is to be ordered.

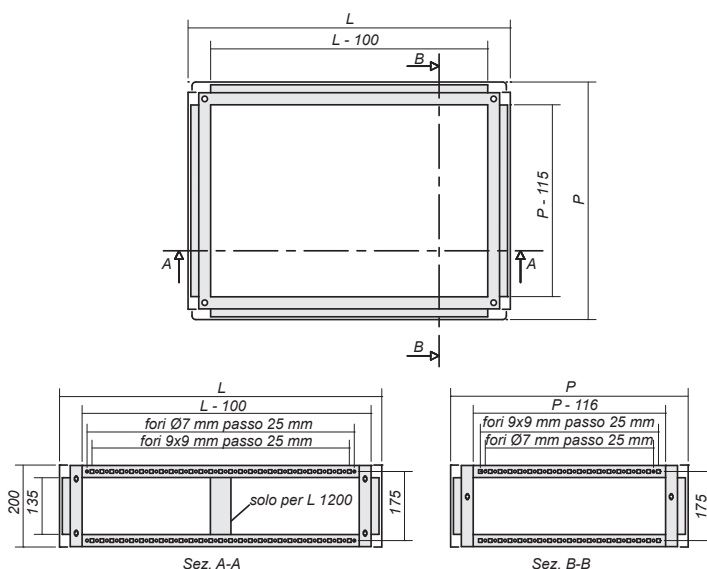
Enclosure dimensions		Code
Height, H	Depth P	
1400	400	RZDVE1440
1400	500	RZDVE1450
1600	400	RZDVE1640
1600	500	RZDVE1650
1600	600	RZDVE1660
1800	300	RZDVE1830
1800	400	RZDVE1840
1800	500	RZDVE1850
1800	600	RZDVE1860
1800	800	RZDVE1880
2000	300	RZDVE2030
2000	400	RZDVE2040
2000	500	RZDVE2050
2000	600	RZDVE2060
2000	800	RZDVE2080
2200	400	RZDVE2240
2200	500	RZDVE2250
2200	600	RZDVE2260
2200	800	RZDVE2280

Modular top compartment for cable passage for CQE

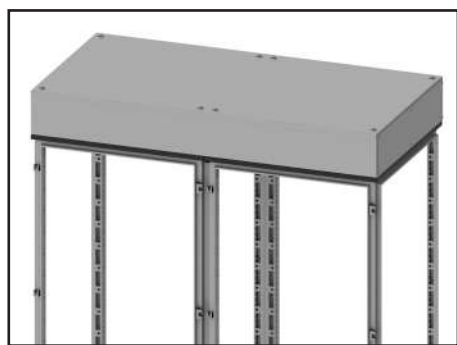


- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- To be mounted on enclosures top to allow cables separation or onto linear bayed systems to allow power distribution by means of copper busbars.
- Accessible from all the sides by virtue of the removable panels.
- Complete with mounting accessories.
- Protection degree: IP55 as per EN 60529/IEC EN 62208.
- To be ordered separately:
 - Side panels, code: R5LSE (1 pack of 2 pcs).
 - Intermediate panel to create a separation between the top compartment and the enclosure structure, code: R5PDS (optional).
 - Coupling kit, code: RAKSU, required if several top compartments are joined together (1 pack of 4 pcs).

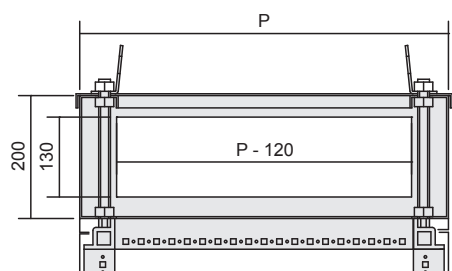
Enclosure dimensions			Code		Side panels code
Height, H	Width, L	Depth, P	Top compartment	Intermediate panel	
200	400	500	R5SCE45	R5PDS45	R5LSE50
200	600	500	R5SCE65	R5PDS65	R5LSE50
200	800	500	R5SCE85	R5PDS85	R5LSE50
200	1000	500	R5SCE105	R5PDS105	R5LSE50
200	1200	500	R5SCE125	R5PDS125	R5LSE50
200	400	600	R5SCE46	R5PDS46	R5LSE60
200	600	600	R5SCE66	R5PDS66	R5LSE60
200	800	600	R5SCE86	R5PDS86	R5LSE60
200	1000	600	R5SCE106	R5PDS106	R5LSE60
200	1200	600	R5SCE126	R5PDS126	R5LSE60
200	400	800	R5SCE48	R5PDS48	R5LSE80
200	600	800	R5SCE68	R5PDS68	R5LSE80
200	800	800	R5SCE88	R5PDS88	R5LSE80
200	1000	800	R5SCE108	R5PDS108	R5LSE80
200	1200	800	R5SCE128	R5PDS128	R5LSE80



Top compartment for separation/collection of cables for CQE



- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- The required length is to be specified at the order.
- The maximum length is 2000 mm per each single module with a possibility of their coupling.
- Complete with mounting accessories.
- Protection degree: IP55 as per EN 60529/IEC EN 62208.
- Available upon request, sold by the linear meter.
- To be ordered separately: side panels (code: R5LSC, 1 pack of 2 pcs), lifting brackets (code RZTSE02).



Top compartment dimensions			Code	
Height, H	Width, L	Depth, P	Compartment	Side panels
200	To be specified at the order	500	R5SCC50	R5LSC50
200		600	R5SCC60	R5LSC60
200		800	R5SCC80	R5LSC80

Cable compartment with side access for CQE



FRAME

Manufactured of 15/10 thick steel painted textured RAL 7035.

DOOR

Reversible, manufactured of 20/10 thick steel, provided with reinforcement frame, painted textured RAL 7035.

TOP AND BOTTOM CABLE ENTRY

Cover plate of 15/10 thick sheet steel, appropriately dimensioned with respect to roof and bottom sizes, complete with seal.

COMPOSITION

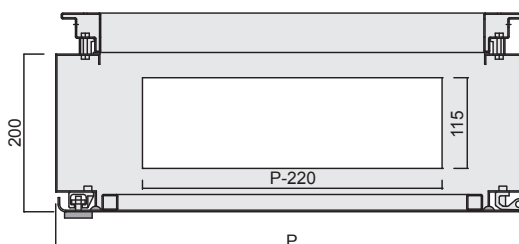
frame, door and cable entry.

PROTECTION DEGREE

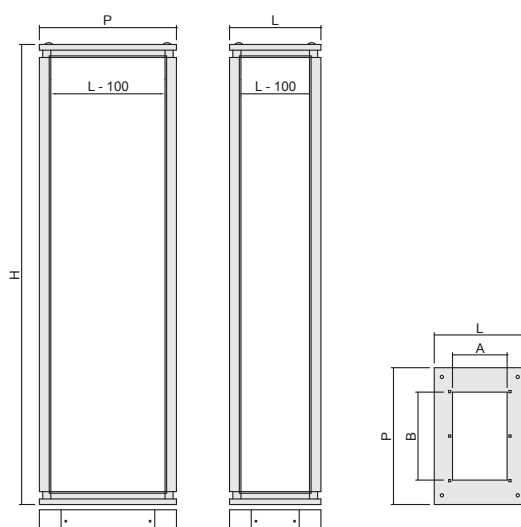
IP 55 as per EN 60529/IE EN 62208.

- Complete with fasteners for side mounting to the structure.

Cable compartment dimensions			Code
Height, H	Width, L	Depth, P	
1800	200	500	R5CVCE18250
1800	200	600	R5CVCE18260
1800	200	800	R5CVCE18280
2000	200	500	R5CVCE20250
2000	200	600	R5CVCE20260
2000	200	800	R5CVCE20280



Cable chamber with front access for CQE



FRAME

Structure assembled of closed patented profile manufactured of 15/10 thick galvanized steel painted textured RAL 7035.

ROOF AND BASE

Manufactured of 15/10 thick sheet steel painted textured RAL 7011, removable. Roof provided with a cable entry and a removable cover.

BOTTOM

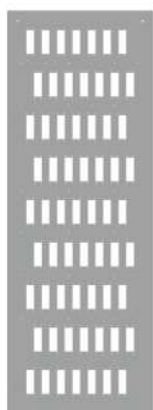
Manufactured if 15/10 thick galvanized steel with adjustable cable entry.

PROTECTION DEGREE

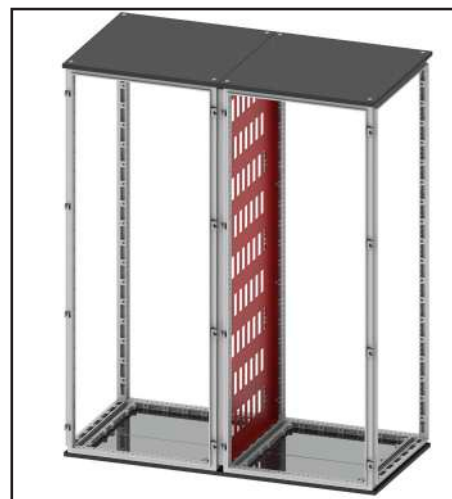
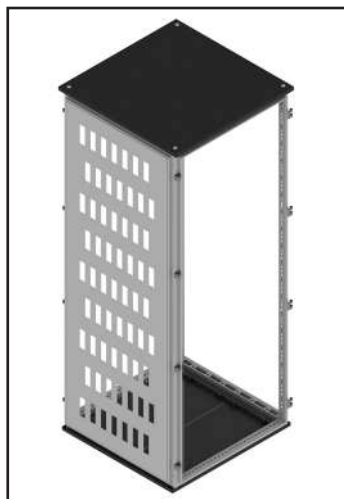
IP55 EN 60529/IEC EN 62208 UL NEMA type 4 (IP 65 if using RZFUC solid bottom)

Chamber dimensions			Roof cut-out dimensions		Code for structure only	Code for structure, door and rear panel
Height, H	Width, L	Depth, P	A	B		
1800	300	300	139	149	R5CQE1833S	R5CQE1833
1800	300	400	139	249	R5CQE1834S	R5CQE1834
1800	300	500	139	289	R5CQE1835S	R5CQE1835
1800	300	600	139	385	R5CQE1836S	R5CQE1836
1800	300	800	139	585	R5CQE1838S	R5CQE1838
1800	400	300	239	149	R5CQE1843S	R5CQE1843
1800	400	400	239	249	R5CQE1844S	R5CQE1844
1800	400	500	239	289	R5CQE1845S	R5CQE1845
1800	400	600	239	385	R5CQE1846S	R5CQE1846
1800	400	800	239	585	R5CQE1848S	R5CQE1848
2000	300	300	139	149	R5CQE2033S	R5CQE2033
2000	300	400	139	249	R5CQE2034S	R5CQE2034
2000	300	500	139	289	R5CQE2035S	R5CQE2035
2000	300	600	139	385	R5CQE2036S	R5CQE2036
2000	300	800	139	585	R5CQE2038S	R5CQE2038
2000	400	300	239	149	R5CQE2043S	R5CQE2043
2000	400	400	239	249	R5CQE2044S	R5CQE2044
2000	400	500	239	289	R5CQE2045S	R5CQE2045
2000	400	600	239	385	R5CQE2046S	R5CQE2046
2000	400	800	239	585	R5CQE2048S	R5CQE2048
2200	300	300	139	149	R5CQE2233S	R5CQE2233
2200	300	400	139	249	R5CQE2234S	R5CQE2234
2200	300	500	139	289	R5CQE2235S	R5CQE2235
2200	300	600	139	385	R5CQE2236S	R5CQE2236
2200	300	800	139	585	R5CQE2238S	R5CQE2238
2200	400	300	239	149	R5CQE2243S	R5CQE2243
2200	400	400	239	249	R5CQE2244S	R5CQE2244
2200	400	500	239	289	R5CQE2245S	R5CQE2245
2200	400	600	239	385	R5CQE2246S	R5CQE2246
2200	400	800	239	585	R5CQE2248S	R5CQE2248

Connector carrier for CQE

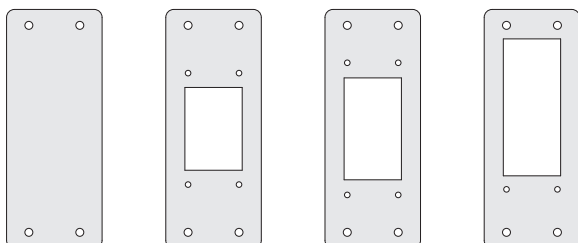


- Manufactured of 20/10 thick Sendzimir galvanized steel.
- If used as a divider, allows to install standard 24-pole connectors.
- Protection degree: IP30 as per EN 60529/IEC EN 62208.
- Pack of 1 piece complete with mounting accessories.
- If IP 54 is required, an adhesive seal 8x3 mm (code RAA56) is to be ordered.



Enclosure dimensions		Quantity of connectors	Code
Height, H	Depth, P		
1800	400	24 (3 x 8)	RZPCDE1840
1800	500	32 (4 x 8)	RZPCDE1850
1800	600	40 (5 x 8)	RZPCDE1860
1800	800	56 (7 x 8)	RZPCDE1880
2000	400	27 (3 x 9)	RZPCDE2040
2000	500	36 (4 x 9)	RZPCDE2050
2000	600	45 (5 x 9)	RZPCDE2060
2000	800	63 (7 x 9)	RZPCDE2080

Adapters for connector carrier



- Manufactured of 20/10 thick galvanized steel.
- Pack of 5 pieces complete with mounting accessories and fasteners.

Adapter type	Code
Piastra cieca	RZAD2400
24 - 6	RZAD2406
24 - 10	RZAD2410
24 - 16	RZAD2416

Door tray mountable on blank door for CQE and CAE



- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- Suitable as a shelf for programming devices or as a simple support for instruments during servicing or cabling activities.
- Pack of 1 piece complete with support bars and fasteners.

Door width L	Code
600	R5RL600
800	R5RL800
1000	R5RL1000

Fixed tray and sliding tray mountable to the structure for CQE and CAE



- Manufactured of 20/10 thick sheet steel painted textured RAL 7035.
- Suitable to accommodate a computer case, printer or other hardware.

MAXIMUM LOAD

Fixed tray: Kg 60

Sliding tray: Kg 30

Fixed tray code	Sliding tray code	Enclosure dimensions	
		Width L	Depth P
R5RF640	R5RE640	600	400
R5RF650	R5RE650	600	500
R5RF660	R5RE660	600	600
R5RF840	R5RE840	800	400
R5RF850	R5RE850	800	500
R5RF860	R5RE860	800	600
R5RF880	R5RE880	800	800
R5RF1040	-	1000	400
R5RF1050	-	1000	500
R5RF1060	-	1000	600
R5RF1080	-	1000	800

Modular desk for CQE



- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- Cover manufactured of 20/10 steel painted textured RAL 7035.
- May be used both in combination with other modular doors or applied directly to the enclosure door
- Refer to page 141 for enclosure front composition.

Enclosure width	Desk dimensions			Code
	Height	Width	Depth	
600	170	500	400	R5LE600
800	170	700	400	R5LE800
1000	170	900	400	R5LE1000
1200	170	1100	400	R5LE1200

Pocket for wiring diagrams, mountable to blank doors, for CQE and CAE



Metallic pocket



Plastic pocket

- Two versions available, plastic or metallic. Color: RAL 7035.
- The metallic version is complete with fasteners for mounting to the reinforcement frame of the door and available in various dimensions depending on the enclosure width.
- The plastic version is universal (attachable by means of a double-sided tape).

Door width	Material	Dimensions			Code
		Height	Width	Depth	
500	acciaio 15/10	240	345	60	R5TE50
600	acciaio 15/10	240	445	60	R5TE60
700	acciaio 15/10	240	545	60	R5TE70
800	acciaio 15/10	240	645	60	R5TE80
1000	acciaio 15/10	240	845	60	R5TE100
qualsiasi	plastica	222	230	30	RPA32

Cross rail for bus supports and cables fixing to enclosure bottom

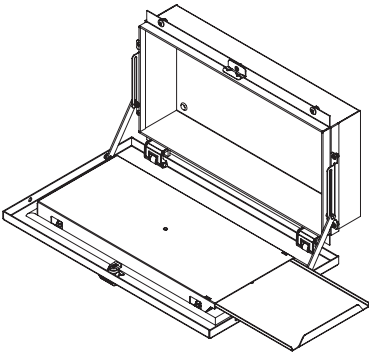


- Manufactured of 20/10 thick Sendzimir galvanized steel, provided with a row of holes Ø 6 and Ø 9 with 25 mm pitch.
- Pack of 4 pieces complete with fasteners.



Enclosure width	Code	Max. load for each rail
300	RZDTF30	105
400	RZDTF40	100
600	RZDTF60	90
800	RZDTF80	80
1000	RZDTF100	60
1200	RZDTF120	45

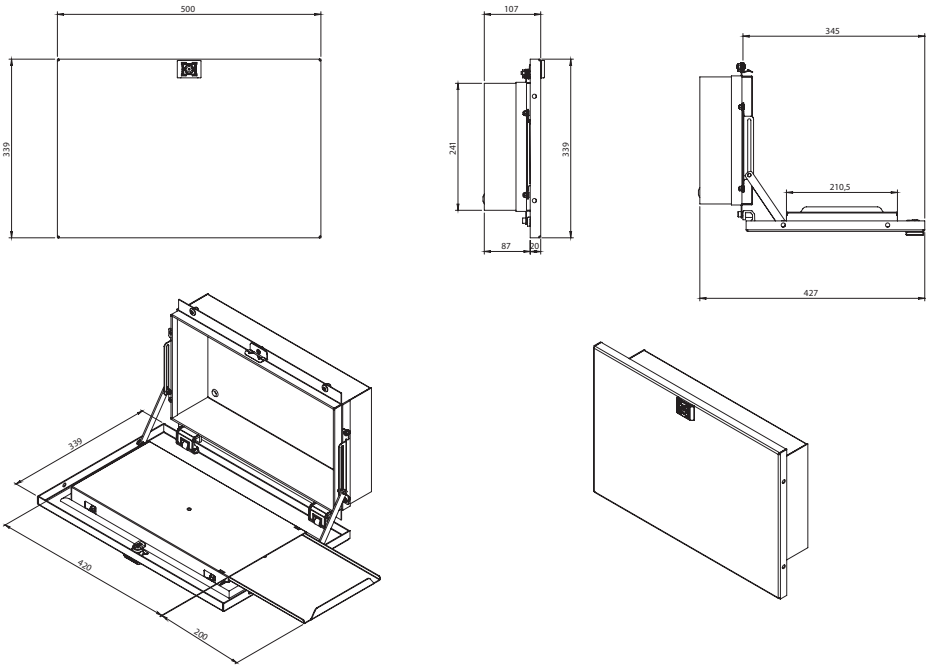
Tray for keyboard



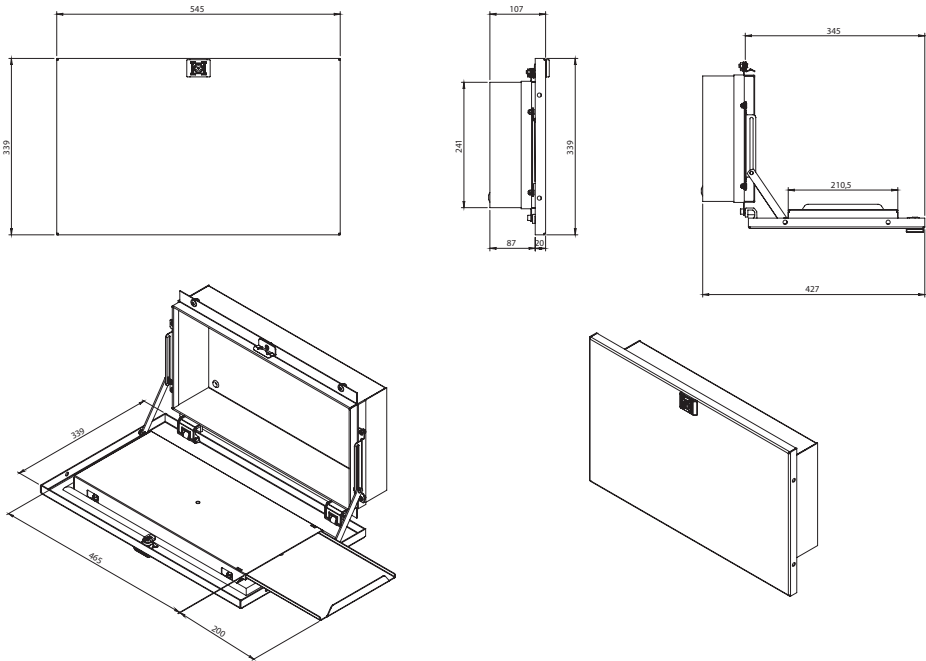
- Manufactured of sheet steel painted textured RAL 7035
- Pack of 1 piece complete with support bars and fasteners.

Enclosure width	Code
600	R5PT600
800 - 1000	R5PT800

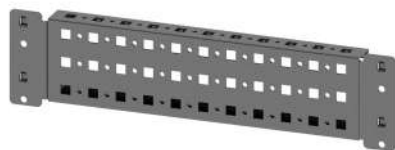
R5PT600



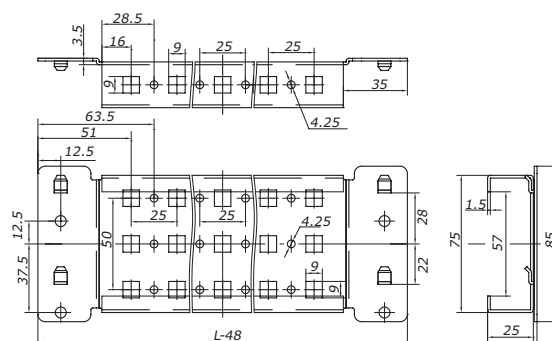
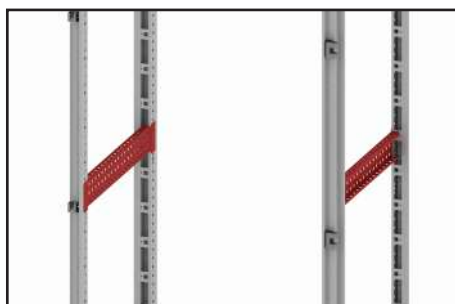
R5PT800



Side rails for CQE and CAE



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Provided with 5 rows of holes with 25 mm pitch allowing a total or a partial accessories anchoring.
- Covers the total enclosure depth.
- To fix the rail to a structure it is sufficient to secure it with self-tapping screws.
- Pack of 4 pieces complete with fasteners.

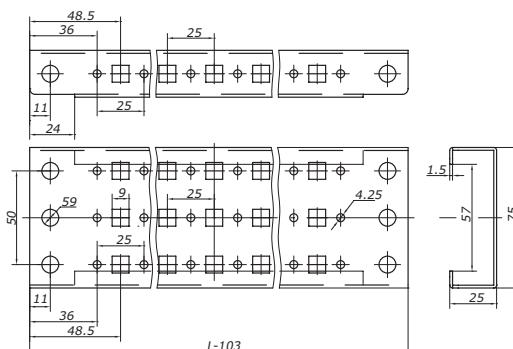
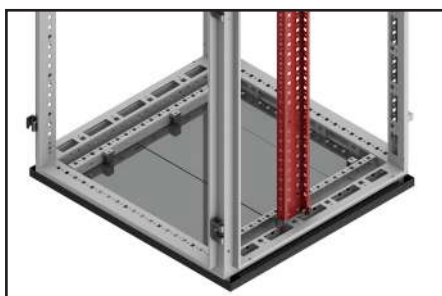


Enclosure depth	Code	Max. load for pair of rails
400	RZPDL400	210
500	RZPDL500	210
600	RZPDL600	200
800	RZPDL800	170
1000	RZPDL1000	140
1200	RZPDL1200	120

Vertical rails for CQE and CAE

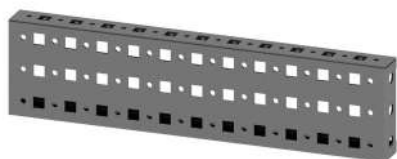


- Manufactured of 15/10 thick galvanized steel.
- Provided with 5 rows of holes with 25 mm pitch allowing a total or a partial accessories anchoring.
- To be mounted vertically onto the structure and shifted inwards with 25 mm pitch.
- Pack of 2 pieces complete with fasteners.
- Max. load per pair of rails: 180 kg.

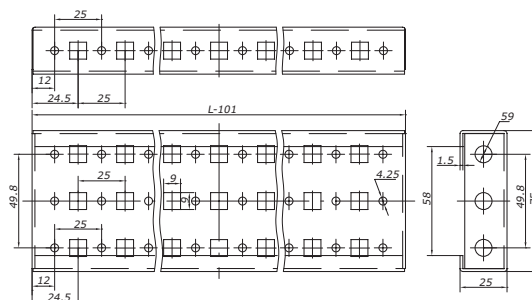
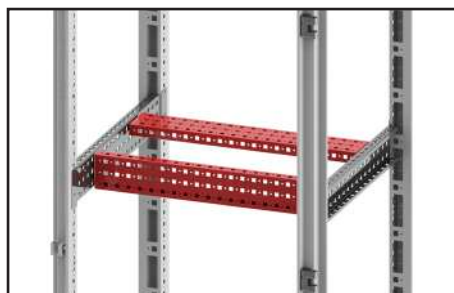


Enclosure height	Code
1400	RZPDV14
1600	RZPDV16
1800	RZPDV18
2000	RZPDV20
2200	RZPDV22

Front rails for CQE and CAE

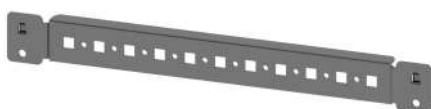


- Manufactured of 15/10 thick galvanized steel.
- Provided with 5 rows of holes with 25 mm pitch allowing a total or a partial accessories anchoring.
- May be mounted directly to the frontal part of the enclosure or inwards with 25 mm pitch using side rails (RZPDL) as a support for mounting.
- Pack of 4 pieces complete with fasteners.

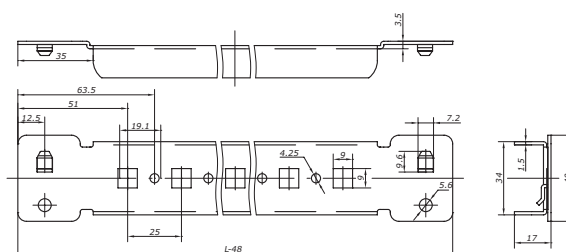
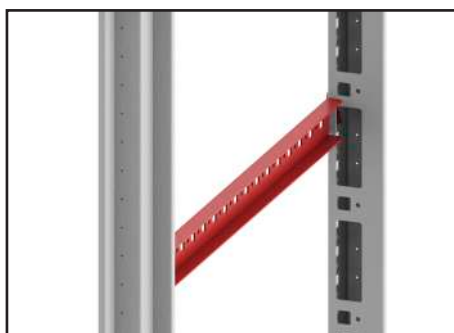


Enclosure width	Code	Max. load for pair of rails
400	RZPDF400	210
600	RZPDF600	200
800	RZPDF800	170
1000	RZPDF1000	140
1200	RZPDF1200	120
1400	RZPDF1400	110
1600	RZPDF1600	100

H30 mm perforated side rail for CQE and CAE



- Manufactured of 15/10 thick galvanized steel.
- Provided with a row of holes with 25 mm pitch and covers the total enclosure depth.
- To fix the rail to a structure it is sufficient to secure it with self-tapping screws.
- Pack of 4 pieces complete with fasteners.

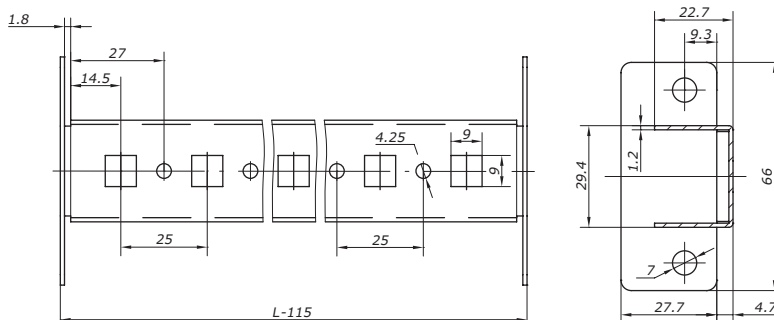


Enclosure depth	Code	Max. load for pair of rails
400	RZTLE400	110
500	RZTLE500	90
600	RZTLE600	80
800	RZTLE800	60
1000	RZTLE1000	50
1200	RZTLE1200	40

H30 Internal perforated side rail for CQE



- Manufactured of 15/10 thick galvanized steel.
- Provided with a row of holes with 25 mm pitch.
- To be used if the following items are installed: internal doors (code R5PIE); rack uprights (code R5MRE and R5MRCE).
- Pack of 4 pieces complete with fasteners.

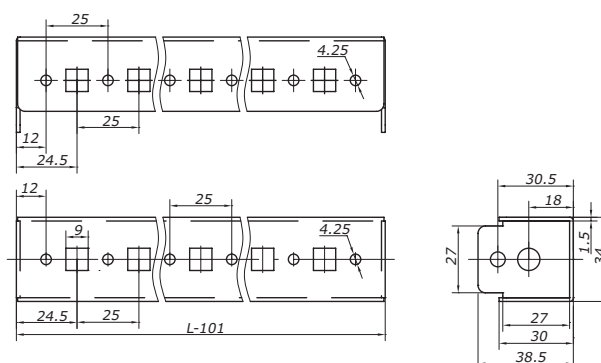


Enclosure depth	Code	Max. load for pair of rails
400	RZPLE400	110
500	RZPLE500	90
600	RZPLE600	80
800	RZPLE800	60
1000	RZPLE1000	50

H30 Front perforated rail for CQE and CAE

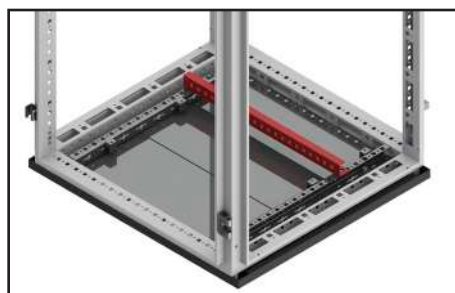


- Manufactured of 15/10 thick galvanized steel.
- Provided with 3 rows of holes with 25 mm pitch.
- May be mounted directly to the frontal part of the enclosure or inwards with 25 mm pitch using side rails (cod. RZTLE) as a support for mounting.
- Pack of 4 pieces complete with fasteners.

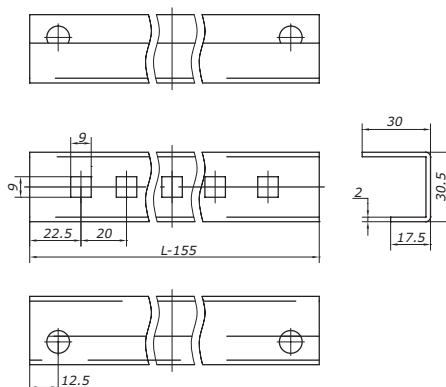


Enclosure width	Code	Max. load for pair of rails
400	RZTFE400	100
600	RZTFE600	70
800	RZTFE800	65
1000	RZTFE1000	55
1200	RZTFE1200	50
1400	RZTFE1400	40
1600	RZTFE1600	35

Cable tie-down rail for CQE and CAE

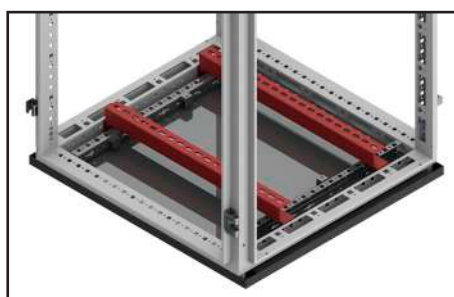


- Manufactured of 20/10 thick galvanized steel.
- Allows to tie down cables by means of cable ties and/or other locking systems.
- May be shifted inwards with 25 mm pitch.
- Pack of 2 pieces complete with fasteners.

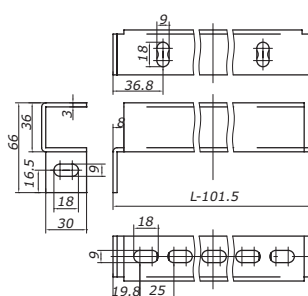


Enclosure width	Code
400	RZPAC40
600	RZPAC60
800	RZPAC80
1000	RZPAC100
1200	RZPAC120
1400	RZPAC140
1600	RZPAC160

Transformer support cross rail for CQE and CAE



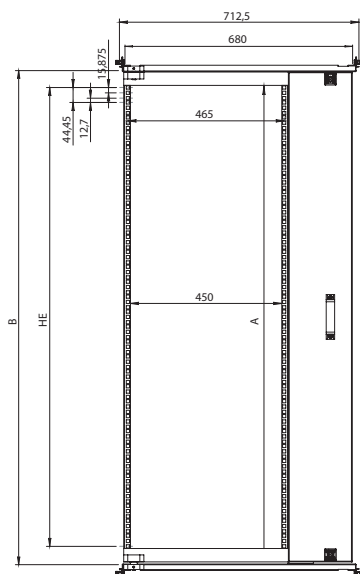
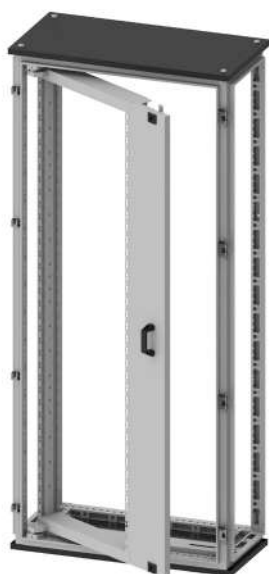
- Manufactured of 30/10 thick galvanized steel.
- A pair of supports of press-formed sheet steel with mounting holes.
- Pack of 2 pieces complete with fasteners.



Enclosure width	Code	Max. load for pair of rails
600	RZTTE600	180
800	RZTTE800	150
1000	RZTTE1000	100
1200	RZTTE1200	150*
1400	RZTTE1400	150*
1600	RZTTE1600	150*

* Load value obtainable with the use of 2 RZPDL rails (pag. 121) mounted in depth of the enclosure below RZTTE rails.

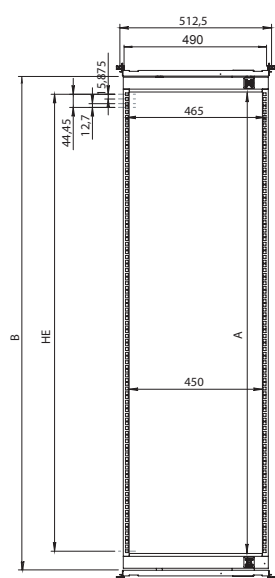
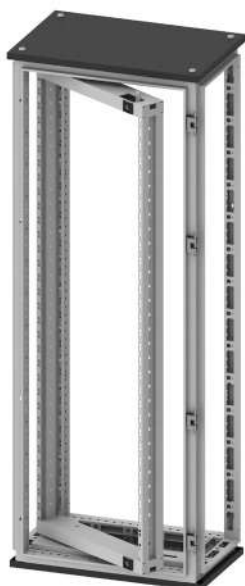
Full 19" rack, width 800 mm



- Manufactured of 15/10 thick sheet steel with 20/10 thick horizontal tubular cross rails.
- Painted textured RAL 7035.
- Two locking elements with a double-bit lock insert Ø3 mm.
- 180° rack opening.
- Complete with mounting accessories.
- Max. installable drawer depth: 420 mm.
- Rack to door distance: 80 mm.
- Max. load: 120 kg.

Enclosure height	Frame dimensions			Code
	A	B	n° HE	
1600	1378	1458	31	R5TIE1680
1800	1578	1658	35	R5TIE1880
2000	1778	1858	40	R5TIE2080
2200	1978	2058	44	R5TIE2280

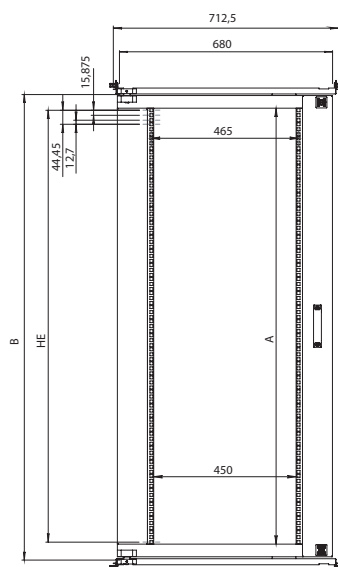
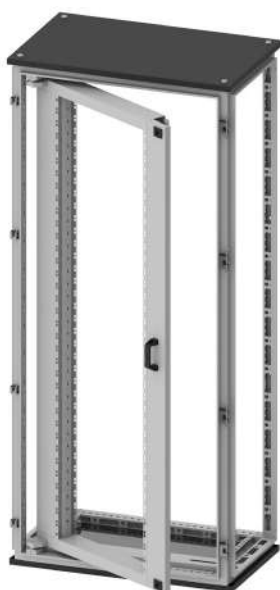
Full 19" rack, width 600 mm



- Manufactured of 15/10 thick sheet steel with 20/10 thick horizontal tubular cross rails.
- Painted textured RAL 7035.
- Two locking elements with a double-bit lock insert Ø3 mm.
- 130° rack opening.
- Complete with mounting accessories.
- Max. installable drawer depth: 185 mm.
- Rack to door distance: 60 mm.
- Max. load: 110 kg.

Enclosure height	Frame dimensions			Code
	A	B	n° HE	
1600	1378	1458	31	R5TIE1660
1800	1578	1658	35	R5TIE1860
2000	1778	1858	40	R5TIE2060
2200	1978	2058	44	R5TIE2260

Full centered 19" rack, width 800 mm

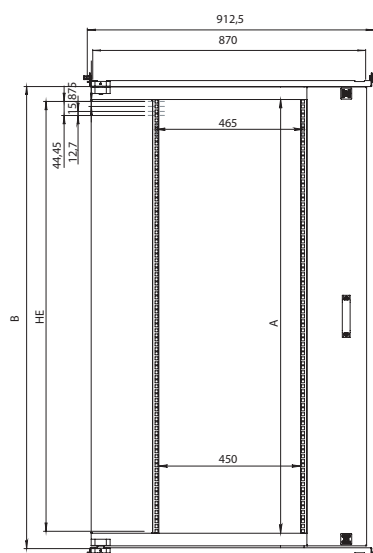
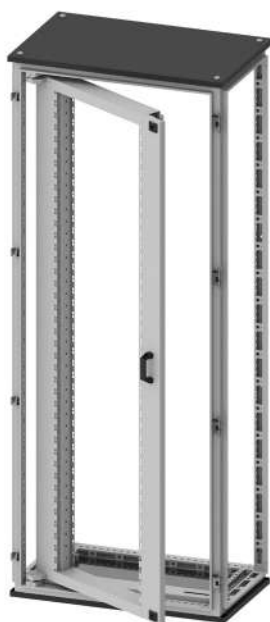


- Manufactured of 15/10 thick sheet steel with 20/10 thick horizontal tubular cross rails.
- Painted textured RAL 7035.
- Two locking elements with a double-bit lock insert Ø3 mm.
- 180° rack opening.
- Complete with mounting accessories.
- Max. installable drawer depth: 320 mm.
- Rack to door distance: 80 mm.
- Max. load: 120 kg.

ACCESSORIES

Enclosure height	Frame dimensions			Code
	A	B	n° HE	
1600	1378	1458	31	R5TIEC1680
1800	1578	1658	35	R5TIEC1880
2000	1778	1858	40	R5TIEC2080
2200	1978	2058	44	R5TIEC2280

Full 19" rack, width 1000 mm



- Manufactured of 15/10 thick sheet steel with 20/10 thick horizontal tubular cross rails.
- Painted textured RAL 7035.
- Two locking elements with a double-bit lock insert Ø3 mm.
- 180° rack opening.
- Complete with mounting accessories.
- Max. installable drawer depth: 530 mm.
- Rack to door distance: 80 mm.
- Max. load: 100 kg

Enclosure height	Frame dimensions			Code
	A	B	n° HE	
1600	1378	1458	31	R5TIE16100
1800	1578	1658	35	R5TIE18100
2000	1778	1858	40	R5TIE20100
2200	1978	2058	44	R5TIE22100

Rack arrester



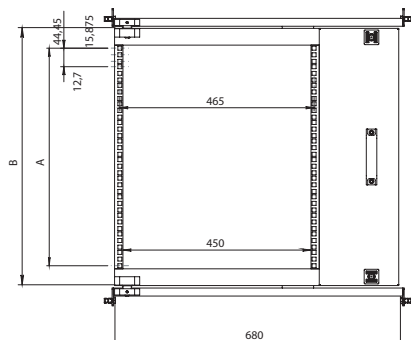
Code: RZAE03

- Manufactured of Sendzimir galvanized steel.
- Designed to limit the rack opening to 90° or 130° approximately.
- Pack of 1 piece complete with mounting accessories.

Partial 19" rack, width 800 mm

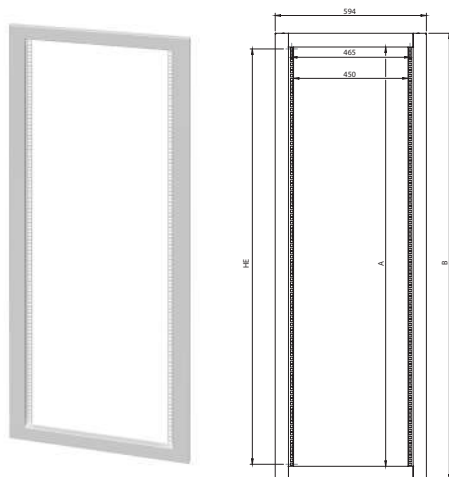


- Manufactured of 15/10 thick sheet steel with 20/10 thick horizontal tubular cross rails.
- Painted textured RAL 7035.
- Two locking elements with a double-bit lock insert Ø3 mm.
- 180° rack opening.
- Complete with mounting accessories.
- Max. installable drawer depth: 420 mm.
- Rack to door distance: 80 mm.
- To mount a partial rack it is necessary to use side rails (1 pack, code RZPDL) corresponding to the enclosure depth (to be ordered separately).
- Max. load: 3 kg per unit.



Frame dimensions				Code
A	B	C	n° HE	
270	350	432	6	R5TIEP6
403	483	565	9	R5TIEP9
536,5	616,5	698,5	12	R5TIEP12
713	793	875	16	R5TIEP16
803	883	965	18	R5TIEP18

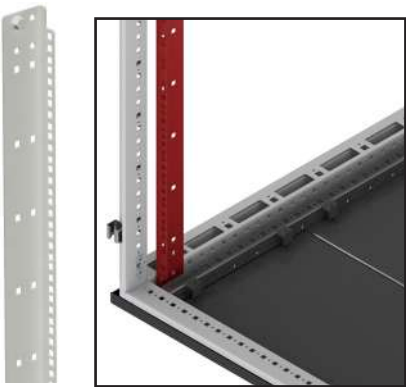
19" Rack frame



- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- Suitable for enclosures with the width of 600 mm.
- Complete with fasteners.
- To be installed instead of an R5CPE door or an R5CRE rear panel.

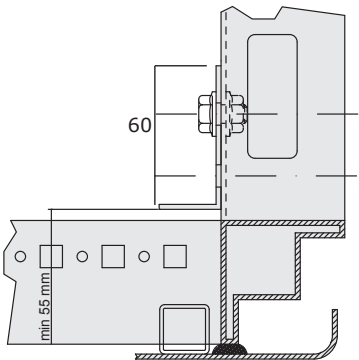
Enclosure height	Frame dimensions			Code
	A	B	n° HE	
1400	1247,5	1355	28	R5CRK1460
1600	1470	1555	33	R5CRK1660
1800	1647,5	1755	37	R5CRK1860
2000	1870	1955	42	R5CRK2060
2200	2047,5	2155	46	R5CRK2260

L-shaped upright for 19" rack

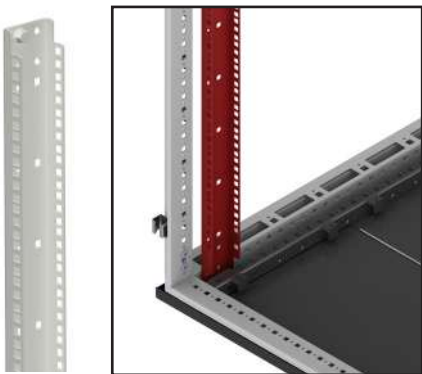


- Manufactured of 20/10 thick sheet steel painted RAL 7035.
- Pack of 2 pieces complete of mounting accessories.
- Max. load: 150 kg per pair.

Enclosure height	n° HE	Code
1000	20	R5MRE10
1200	24	R5MRE12
1400	29	R5MRE14
1600	33	R5MRE16
1800	38	R5MRE18
2000	42	R5MRE20
2200	47	R5MRE22

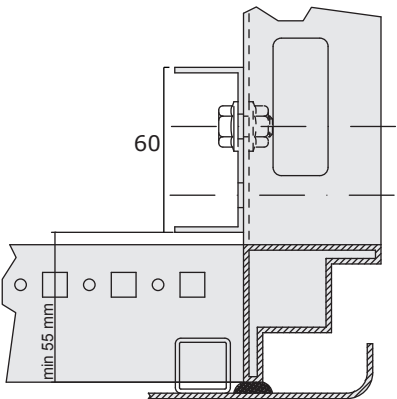


C-shaped upright for 19" rack



- Manufactured of 20/10 thick sheet steel painted RAL 7035.
- Pack of 2 pieces complete of mounting accessories.
- Max. load: 200 kg per pair.

Enclosure height	n° HE	Code
1000	20	R5MRCE10
1200	24	R5MRCE12
1400	29	R5MRCE14
1600	33	R5MRCE16
1800	38	R5MRCE18
2000	42	R5MRCE20
2200	47	R5MRCE22



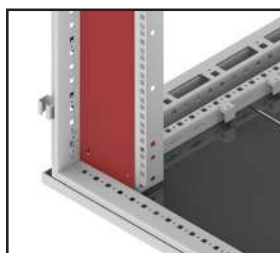
Mounting brackets for rack uprights



Code: R5SFMR01

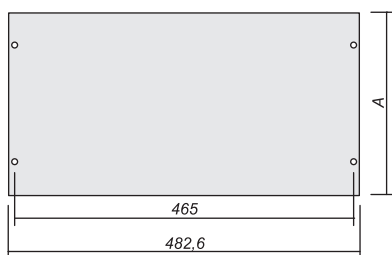
- Manufactured of 30/10 thick Sendzimir galvanized steel.
- Allow to fix R5MRE and R5MRCE uprights with 19" pitch to 800 mm wide enclosures.
- Pack of 4 pieces complete with fasteners.
- 2 vertical blanking strips (code R5FRV) are available for order, 100 mm wide, suitable to cover the space alongside of the uprights.
- Painted textured RAL 7035.

Pannello di tamponamento laterale



Enclosure height	Code
1800	R5FRV18
2000	R5FRV20
2200	R5FRV22

Rack plate 19"



- Manufactured of 20/10 thick sheet steel painted textured RAL 7035.
- Pack of 1 piece complete with mounting accessories.

Enclosure height	n° HE	Code
43,6	1	R5PRK1
88	2	R5PRK2
132,5	3	R5PRK3
177	4	R5PRK4
221,5	5	R5PRK5
266	6	R5PRK6
310,5	7	R5PRK7
355	8	R5PRK8
399	9	R5PRK9
443,5	10	R5PRK10
488	11	R5PRK11
532,5	12	R5PRK12



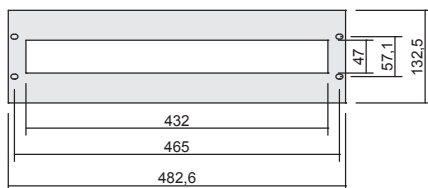
Rack drawer support



Code: R5SCRK01

- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- Pack of 1 pair complete with mounting accessories.

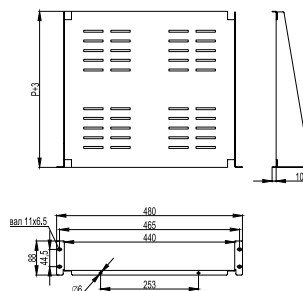
19" Front panel with DIN cut-out



Code: R5PCDF01

- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- The cut-out may be used to accommodate up to 24 DIN modules with the height equal to 3 units.
- Pack of 1 piece complete with fasteners and a DIN guide.
- To be installed only on "C" rack uprights 19" R5MRCE.

Fixed tray



Material:

- manufactured of 15/10 thick sheet steel, painted RAL 7035.

Characteristics:

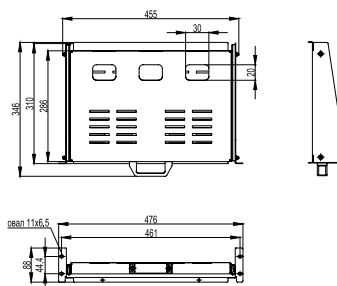
- dimensions 2 unit;
- front fixing;
- max constant load – 25 kg.

The supply includes:

- tray, mounting accessories.

n° HE	Tray depth, mm	Code
2	250	R5RFIT250
	400	R5RFIT400

Sliding tray



Material:

- manufactured of 15/10 thick sheet steel, painted RAL 7035.

Characteristics:

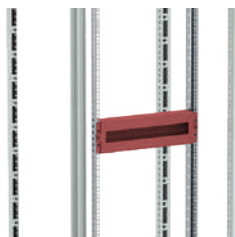
- dimensions 2 unit;
- max constant load – 60 kg.

The supply includes:

- tray, mounting accessories.

n° HE	Tray depth, mm	Code
2	300	R5REIT30

Enclosure for modular switch, 3 unit


Material:

- steel 15/10, painted RAL 7035 or RAL 9005.

Characteristics:

- 3 Unit;
- modules – 22.

The supply includes:

- enclosure, DIN guide, mounting accessories.

N° HE	Code
3	R5CMDIT3HE

Cable gland with metallic rings


Material:

- Base: 20/10 steel painted RAL 7035;
- 4 metallic rings height 68 mm.

Characteristics:

- Dimensions 19", size 1 Unit

N° HE	Code
1	R5PC191HE4

Cable gland with brushes


Materiale:

- Base: 20/10 steel painted RAL 7035 with brushes.

Characteristics:

- Dimensions 19", size 1 Unit

N° HE	Code
1	R5SPZ191HE

Power bars with magneto-thermal switch


Characteristics:

- compatible with every enclosure;
- socket Germany + Italy 10/16A 250V x 7;
- size 19" 1 He;
- cable H05VV - F 3G 1,5 mm² x 3 m;
- load 3,5 KW max.

Protection:

- magneto-thermal switch 2P, 16A 250V with cover.

Installation method:

- Horizontal

Height	Number of socket	Supply	Code
1U	7	16A	RAPD7PIM

Power bars with luminous switch


Characteristics:

- compatible with every enclosure;
- socket Germany + Italy 10/16A 250V x 8;
- size 19" 1 He;
- cable H05VV - F 3G 1,5 mm² x 3 m;
- load 3,5 KW max.

Protection:

- switch ON/OFF with signal lamp.

Installation method:

- Horizontal

Height	Number of socket	Supply	Code
1U	8	16A	RAPD8PIL

Power bars with 8 sockets


Characteristics:

- compatible with every enclosure;
- socket Germany + Italy 10/16A 250V x 8;
- size 19" 1 He;
- cable H05VV - F 3G 1,5 mm² x 3 m;
- load 3,5 KW max.

Installation method:

- Horizontal

Height	Number of socket	Supply	Code
1U	8	16A	RAPD8P

Power bars with 12 sockets C13 and luminous switch


Characteristics:

- compatible with every enclosure;
- socket C13IEC60320 x 12;
- size 19" 1 He;
- cable H05VV - F 3G 1,5 mm² x 3 m;
- load 3,5 KW max.

Protection:

- switch ON/OFF with signal lamp

Installation method:

- Horizontal

Height	Socket	Number of socket	Supply	Code
1U	IEC60320 C13	12	16A	RAPD12CIL

Patch panel with 24 doors


Characteristics:

- compatible with every enclosure;
- size 19" 1 He with cable guide;
- CAT6 LSA IDC

Installation method:

- Horizontal

Height	Code
1U	RAITPCAT624

Patch panel with 48 doors


Characteristics:

- compatible with every enclosure;
- size 19" 2 He with cable guide;
- CAT6 LSA IDC

Installation method:

- Horizontal

Height	Code
2U	RAITPCAT648

Lifting eye bolts for CQE and CAE (M12)



Enclosure type	Code
CQE - CAE, 4 pezzi	RZA33

Please, refer to page 361 for lifting criteria

Lifting bracket for CQE



Code: RZTSE02

- Manufactured of 50/10 thick galv aniz ed steel.
- Pack of 2 pieces complete with fasteners.

Please, refer to page 361 for lifting criteria

Lifting bars for CQE



Press-formed

Code: R1TSE01

- Manufactured of 40/10 thick sheet steel painted smooth RAL 7011.
- Sold by the linear meter

Hot-rolled steel profile

Code: R1TSE03

- Section dimensions: 100 x 65 x 8.5 mm.
- Painted smooth RAL 7011.
- Sold by the linear meter.
- The configuration of enclosure bayed system is to be provided with the order for appropriate bar drilling.

CAE wall mounting bracket



Code: RZAE04

- Manufactured of 30/10 thick Sendzimir galvanized steel.
- Pack of 4 pieces complete with fasteners and mounting accessories.

Universal mounting brackets



RZA05



RZA06

- Manufactured of 40/10 thick galvanized steel.
- Pack of 10 pieces.

Type	Code
Slot - slot (9x25)	RZA05
Slot (9x25) - thread M8	RZA06

Adjustable bracket



RZSRP01



RZSRP02

- Manufactured of 20/10 thick galvanized steel.
- Pack of 2 pieces

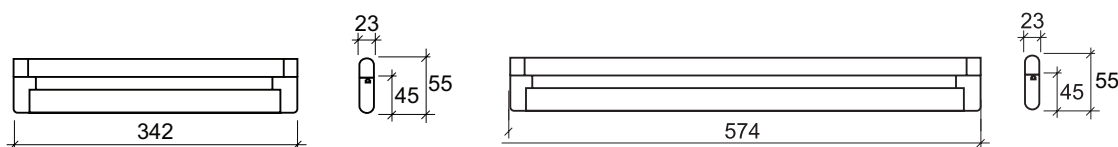
Range	Code
75 - 125 mm	RZSRP01
150 - 200 mm	RZSRP02

Fluorescent lamp



- 220 ÷ 240 V - 50 ÷ 60 Hz.
- Complete with a mounting bracket
- Pack of 1 piece

Power	Length, mm	Code
8 W	342	RALA08
13 W	574	RALA013



LED lamp



- 230 Vac - 50 ÷ 60 Hz.
- 12 led
- Color: white
- Pack of 1 piece.

Power	Length, mm	Code
7 W	400	RALL07W

LED lamp with magnetic mounting



- 110 ÷ 240 V AC - 50 ÷ 60 Hz.
- Color: white
- Pack of 1 piece complete of fasteners for fixing and male connector for wiring.

Power	Length, mm	Code
10 W	572	RALL10W

Kit for magnetic mounting

Code: RAKL10W

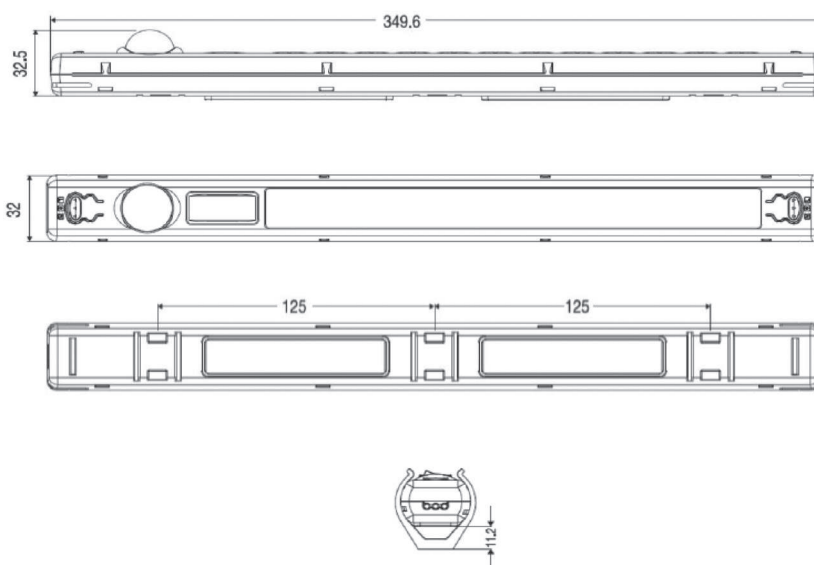
- Accessory optional for magnetic mounting to the structure of LED RALL10W lamp

Enclosure interior LED light



- Magnetic fastening
- UL homologation
- Activation by proximity sensor
- Mechanical fastening accessory sold separately
- Power cable, sold separately

Power supply voltage	Absorbed power	Light intensity	Color	Lighting autonomy	Code
24 - 265 VAC/DC	4W	400 Lm	6500k	5 minuti	RALL04WMS



Micro-switch



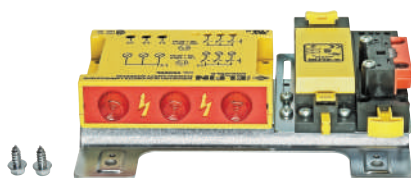
Code: RAMC01

- Compliant to IEC/EN 60947-5-1.
- Limit switch 2NC
- Complete with a Sendzimir galvanized bracket and fasteners necessary for installation

Code: RAMC05

- Compliant to IEC/EN 60947-5-1.
- Limit switch 1NO+1NC
- Complete with a Sendzimir galvanized bracket and fasteners necessary for installation.

Three-phase flashing unit



Code: RAMC02

- Cabled three-phase flashing limit switch
- Engaged when the enclosure doors are open

Self-tapping screws M 4.8x12



- Code: RAA07**
- Manufactured of white galvanized steel
 - Pack of 50 pieces.

Special nuts



RAA051



RAA052

- Manufactured of press-formed zinc alloy
- Provided with a detachable tab
- Recommended for nuts positioning and screws tightening in difficult to access holes
- Pack of 50 pieces

Thread	Code
M6	RAA51
M8	RAA52

Cage nuts



Code	Nut thread	Pack/pcs.
RZG01	M6 by hole 9	50
RZG02	M6 by hole 12	50
RZG03	M8 by hole 12	50

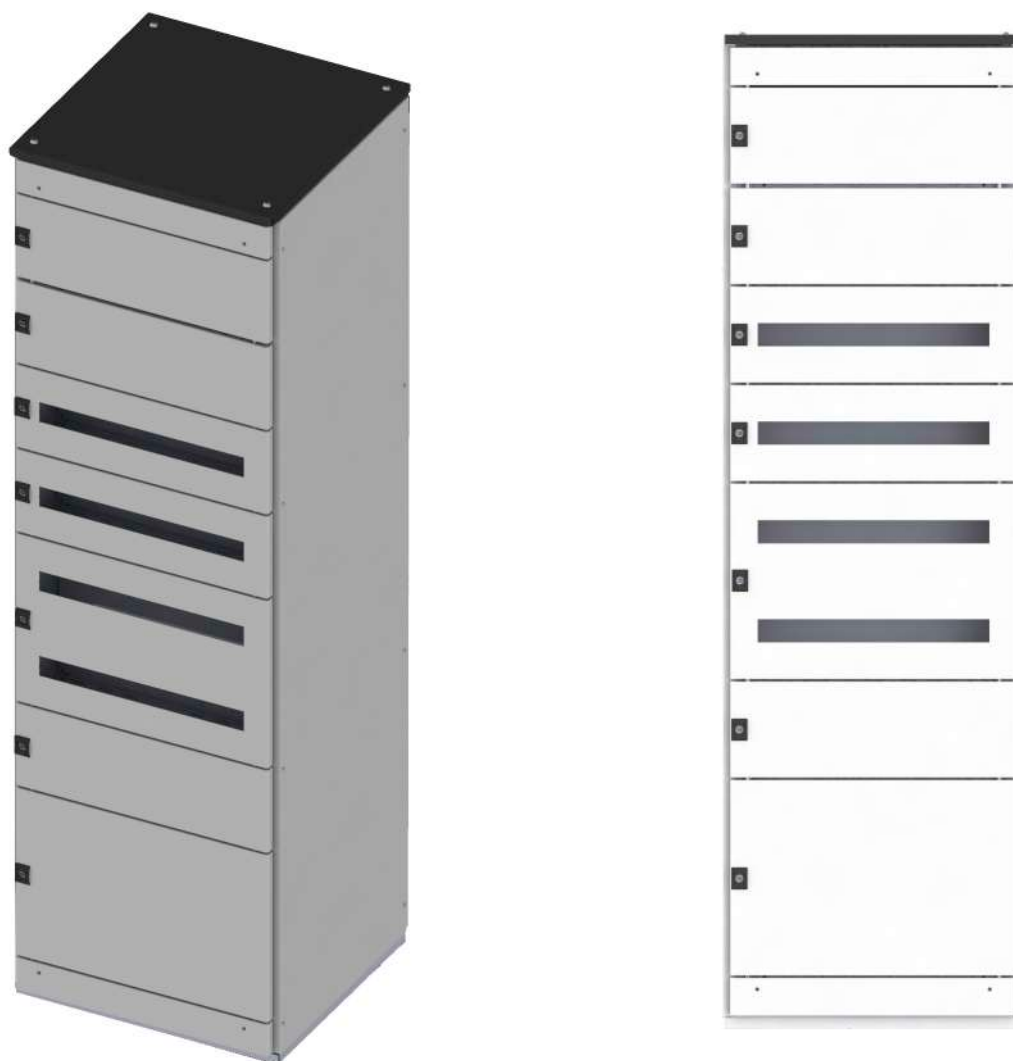
Spray paint



- Acrylic paint
- Capacity: 400 ml
- Pack of 1 spray

Color	Code
RAL 7032	RAA21
RAL 7035	RAA24
RAL 7011	RAA54

External modularity for CQE enclosures



Modular systems for distribution have been conceived on the basis of **CQE** series. Using carefully studied components they allow arranging BT distribution boards.

Enclosures may be configured of panels with modular external blank or cutout doors in the form of separate cells and with mounting panels adjustable in depth.

The frontal area is purposed for switches, measurement instruments and auxiliary units. While the rear area is occupied by connections of the switches to distribution buses. It is possible to install the bus system into a side column (cable chamber with front access) or to the rear enclosure area obtaining significant advantages in connection works.

These enclosures have been tested at CESI (Italian Experimental Electrotechnical Centre) and certified as follows:

Operating and insulation voltage during the tests: 400 V and 690 V @ 50 Hz;

Short-time withstand current (I_{cw}): 80 kA/1 sec;

Peak withstand current (I_{pk}): 176 kA at the circuit input, main collector buses and distribution buses.



CQE MODULAR Enclosure STRUCTURE AND REAR PANEL

FRAME

Assembled of a patented closed profile manufactured of 15/10 thick galvanized steel, painted textured RAL 7035. Vertical chasing 25 mm on the whole structure allows modular doors quick positioning and mounting holes drilling for hinges and connections

ROOF and BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

EXTERNAL DOORS

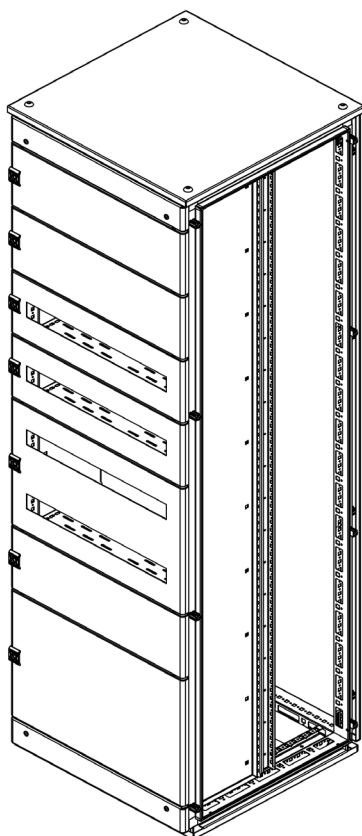
20/10 thick steel, painted textured RAL 7035, with rounded safety edges. 1 or 2 closing points, 2 or 4 hinges and a box or an escutcheon with a double-bit lock insert Ø3 mm.

COMPOSITION

Frame, roof, base, rear panel and bottom.

PROTECTION DEGREE

IP55 as per EN 60529 with blank doors.



Code for enclosure with rear panel only	Enclosure dimensions		
	Height H	Width L	Depth P
R5CQE1864R	1800	600	400
R5CQE1865R	1800	600	500
R5CQE1866R	1800	600	600
R5CQE1868R	1800	600	800
R5CQE1884R	1800	800	400
R5CQE1885R	1800	800	500
R5CQE1886R	1800	800	600
R5CQE1888R	1800	800	800
R5CQE2064R	2000	600	400
R5CQE2065R	2000	600	500
R5CQE2066R	2000	600	600
R5CQE2068R	2000	600	800
R5CQE2084R	2000	800	400
R5CQE2085R	2000	800	500
R5CQE2086R	2000	800	600
R5CQE2088R	2000	800	800
R5CQE2265R	2200	600	500
R5CQE2266R	2200	600	600
R5CQE2268R	2200	600	800
R5CQE2285R	2200	800	500
R5CQE2286R	2200	800	600
R5CQE2288R	2200	800	800

Assembling codes

Code	Description
RLAPE22	Distribution doors mounting
RLACE22	Cells mounting

Blanking panels



- Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.
- Pack of 2 pieces complete with mounting accessories.

N.B. blanking panels are mandatory for front enclosure arrangement. H usable for arrangement = H enclosure - 200 mm.

Code	Enclosure width
R5CPFE6100	600
R5CPFE8100	800

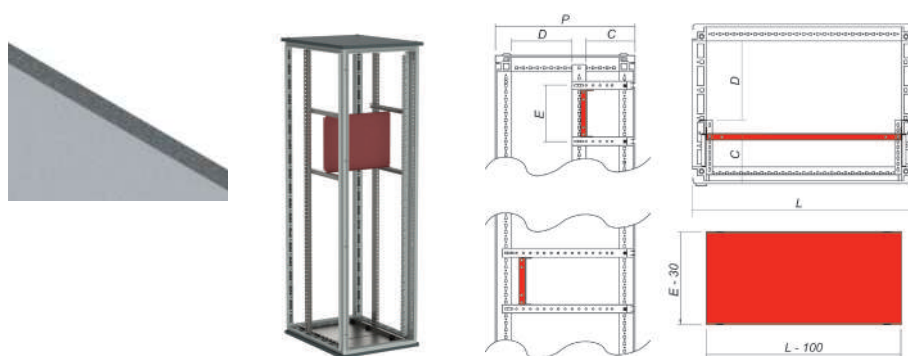
Modular door ledge



- Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.
- Pack of 1 pieces complete with mounting accessories.

Code	Enclosure width
R5TOE60	600
R5TOE80	800

Modular mounting panel



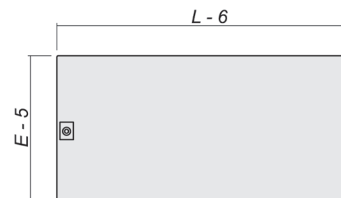
- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Adjustable in depth.
- Complete with fasteners.
- Pack of 1 piece.

Nominal cell height E	Code	
	Enclosure width L = 600	Enclosure width L = 800
200	RZPCE6200	RZPCE8200
300	RZPCE6300	RZPCE8300
400	RZPCE6400	RZPCE8400
500	RZPCE6500	RZPCE8500
600	RZPCE6600	RZPCE8600
800	RZPCE6800	RZPCE8800
900	RZPCE6900	RZPCE8900

Modular blank door

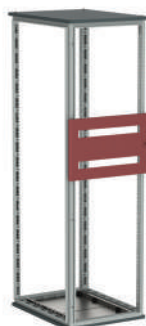


- Manufactured of 20/10 thick sheet steel, painted textured RAL 7035.
- Complete with mounting accessories.
- Pack of 1 piece.

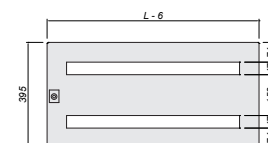
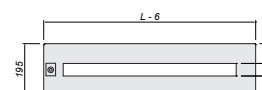


Nominal cell height E	Code	
	Enclosure width L = 600	Enclosure width L = 800
200	R5CPME6200	R5CPME8200
300	R5CPME6300	R5CPME8300
400	R5CPME6400	R5CPME8400
500	R5CPME6500	R5CPME8500
600	R5CPME6600	R5CPME8600
800	R5CPME6800	R5CPME8800
900	R5CPME6900	R5CPME8900

Modular door with DIN cut-out

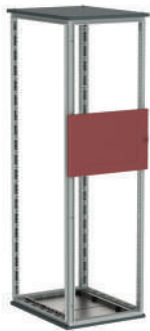


- Manufactured of 20/10 thick sheet steel, painted textured RAL 7035.
- Pack of 1 piece complete with mounting accessories and a DIN guide.

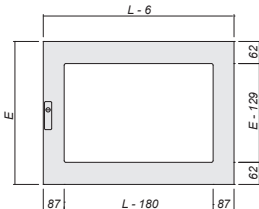


Code	Enclosure width	Modular door height	Number of cutouts	Number of modules per cut-out
R5CPME6201	600	200	1	26
R5CPME6401	600	400	2	26
R5CPME8201	800	200	1	36
R5CPME8401	800	400	2	36

Modular door with glazed window

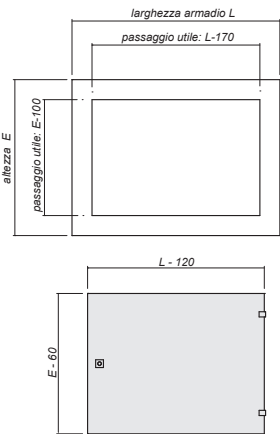


- Manufactured of 20/10 thick sheet steel, painted textured RAL 7035.
- Glazed door protected with transparent safety glass.
- Complete with mounting accessories.
- Pack of 1 piece.

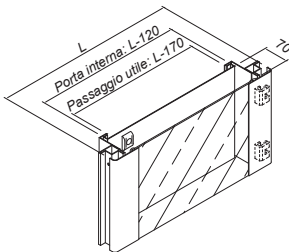


Height E	Code	
	Enclosure width L = 600	Enclosure width L = 800
395	R5CPMTE6400	R5CPMTE8400
595	R5CPMTE6600	R5CPMTE8600
795	R5CPMTE6800	R5CPMTE8800

Internal modular door



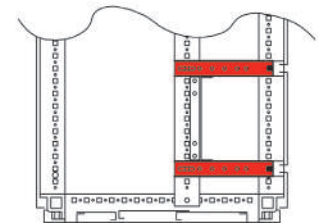
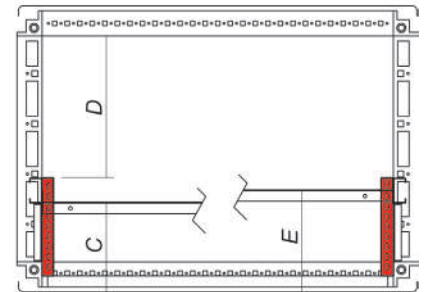
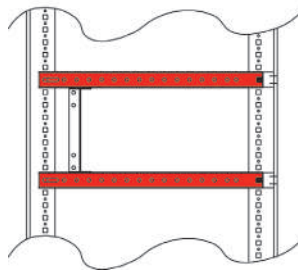
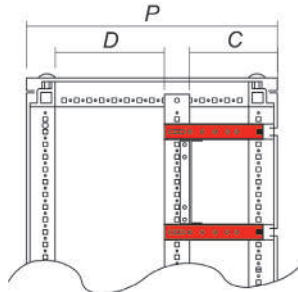
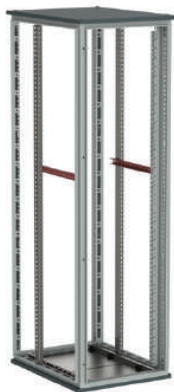
- Manufactured of 20/10 thick sheet steel, painted textured RAL 7035.
- Usable distance between the internal and external door is equal to 70 mm.
- Complete with mounting accessories.
- Pack of 1 piece.



Height E	Code	
	Enclosure width L = 600	Enclosure width L = 800
400	R5CPMIE6400	R5CPMIE8400
600	R5CPMIE6600	R5CPMIE8600
800	R5CPMIE6800	R5CPMIE8800

- Modular doors with glazed window (code R5CPMTE) are commonly used to protect the instruments mounted on the internal door (code R5CPMIE) in the upper part of the enclosure.
- In the lower part of the enclosure other components may be installed, such as a desk (code R5LE) or other modular doors (code R5CPME).
- In any case a pack of blanking panels (code R5CPFE) is necessary.

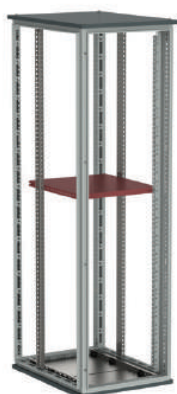
Full and partial horizontal support



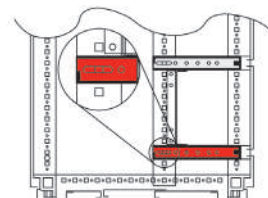
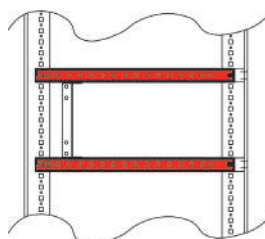
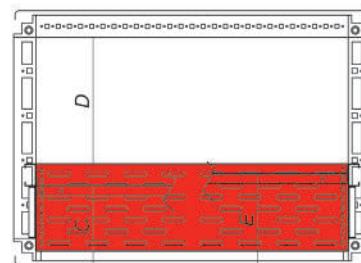
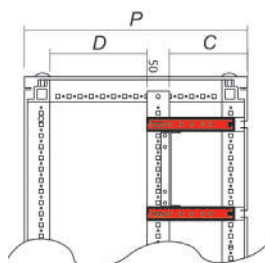
- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 2 pieces complete with fasteners.

Enclosure depth	C	D	E	Partial horizontal support	Total horizontal support
300	-	-	-	-	RZSOE245
400	125	168	155	RZSOE145	RZSOE345
400	175	118	205	RZSOE195	RZSOE345
500	125	268	155	RZSOE145	RZSOE445
500	175	218	205	RZSOE195	RZSOE445
500	275	118	305	RZSOE295	RZSOE445
600	125	368	155	RZSOE145	RZSOE545
600	175	318	205	RZSOE195	RZSOE545
600	275	218	305	RZSOE295	RZSOE545
800	125	568	155	RZSOE145	RZSOE745
800	175	518	205	RZSOE195	RZSOE745
800	275	418	305	RZSOE295	RZSOE745
800	325	368	355	RZSOE345	RZSOE745

Full and partial horizontal divider

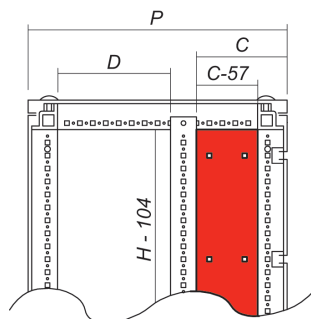


- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 1 piece complete with fasteners.

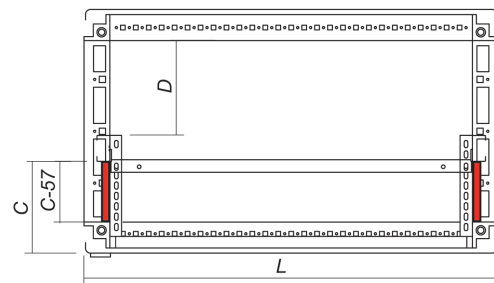


Enclosure depth	C	D	E	Partial horizontal divider		Total horizontal divider	
				Width 600	Width 800	Width 600	Width 800
300	-	-	-	-	-	RZDOE6245	RZDOE8245
400	125	168	155	RZDOE6145	RZDOE8145	RZDOE6345	RZDOE8345
400	175	118	205	RZDOE6195	RZDOE8195	RZDOE6345	RZDOE8345
500	125	268	155	RZDOE6145	RZDOE8145	RZDOE6445	RZDOE8445
500	175	218	205	RZDOE6195	RZDOE8195	RZDOE6445	RZDOE8445
500	275	118	305	RZDOE6295	RZDOE8295	RZDOE6445	RZDOE8445
600	125	368	155	RZDOE6145	RZDOE8145	RZDOE6545	RZDOE8545
600	175	318	205	RZDOE6195	RZDOE8195	RZDOE6545	RZDOE8545
600	275	218	305	RZDOE6295	RZDOE8295	RZDOE6545	RZDOE8545
800	125	568	155	RZDOE6145	RZDOE8145	RZDOE6745	RZDOE8745
800	175	518	205	RZDOE6195	RZDOE8195	RZDOE6745	RZDOE8745
800	275	418	305	RZDOE6295	RZDOE8295	RZDOE6745	RZDOE8745
800	325	368	355	RZDOE6345	RZDOE8345	RZDOE6745	RZDOE8745

Full and partial vertical divider

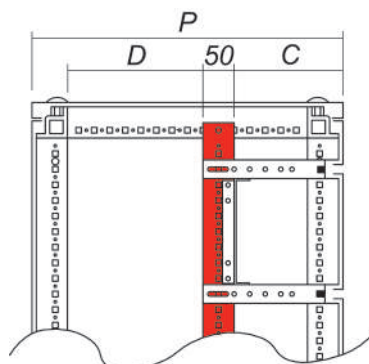
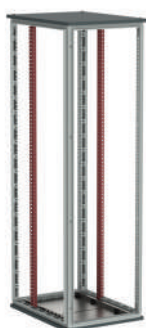


- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Complete with fasteners.
- Pack of 1 piece.



Enclosure depth P	Cell depth C	Partial vertical divider			Total vertical divider		
		Enclosure height H			Enclosure height H		
		1800	2000	2200	1800	2000	2200
400	125	RZDVP18125	RZDVP20125	-	RZDVE1840	RZDVE2040	-
400	175	RZDVP18175	RZDVP20175	-	RZDVE1840	RZDVE2040	-
500	125	RZDVP18125	RZDVP20125	RZDVP22125	RZDVE1850	RZDVE2050	RZDVE2250
500	175	RZDVP18175	RZDVP20175	RZDVP22175	RZDVE1850	RZDVE2050	RZDVE2250
500	275	RZDVP18275	RZDVP20275	RZDVP22275	RZDVE1850	RZDVE2050	RZDVE2250
600	125	RZDVP18125	RZDVP20125	RZDVP22125	RZDVE1860	RZDVE2060	RZDVE2260
600	175	RZDVP18175	RZDVP20175	RZDVP22175	RZDVE1860	RZDVE2060	RZDVE2260
600	275	RZDVP18275	RZDVP20275	RZDVP22275	RZDVE1860	RZDVE2060	RZDVE2260
800	125	RZDVP18125	RZDVP20125	RZDVP22125	RZDVE1880	RZDVE2080	RZDVE2280
800	175	RZDVP18175	RZDVP20175	RZDVP22175	RZDVE1880	RZDVE2080	RZDVE2280
800	275	RZDVP18275	RZDVP20275	RZDVP22275	RZDVE1880	RZDVE2080	RZDVE2280
800	325	RZDVP18325	RZDVP20325	RZDVP22325	RZDVE1880	RZDVE2080	RZDVE2280

Vertical support



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 2 pieces complete with fasteners.
- Mandatory for partial separation

Code	Enclosure height
RZMVE18	1800
RZMVE20	2000
RZMVE22	2200

Internal modularity for enclosures (modular devices configuration)



Modular systems for distribution have been designed to be used with both CQE and CAE enclosure series. Using carefully studied components they allow arranging BT distribution boards. Enclosures may be configured of modular equipment panels complete with special vertical uprights, which allow mounting modular cutout panels, blank panels or perforated panels for boxed switches of various brands with relative mounting panels adjustable in depth.

Enclosures may be configured by separated cells, which being coupled together, form independent compartments.

The frontal area is purposed for switches, measurement instruments and auxiliary units. While the rear area is occupied by connections of the switches to branch buses.

It is possible to install a bus system into a side column (cable chamber with front access) or to the rear enclosure area obtaining significant advantages in connection works. Internal modules are protected by glazed doors with safety glass.

These enclosures have been tested at CESI (Italian Experimental Electrotechnical Centre) and certified as follows:

Operating and insulation voltage during the tests: 400 V and 690 V @ 50 Hz;

Short-time withstand current (I_{cw}): 80 kA/1 sec;

Peak withstand current (I_{pk}): 176 kA at the circuit input, main collector buses and distribution buses.



CQE MODULAR Enclosure - STRUCTURE AND REAR PANEL

FRAME

Assembled of a patented closed profile manufactured of 15/10 thick galvanized steel, painted textured RAL 7035.

ROOF and BASE

Manufactured of 15/10 thick steel, painted textured RAL 7011, removable.

BOTTOM

15/10 thick galvanized steel, adjustable cable gland.

REAR PANEL

15/10 thick steel, painted textured RAL 7035, with rounded safety edges and 8 points of fastening to the structure.

MODULAR PANELS

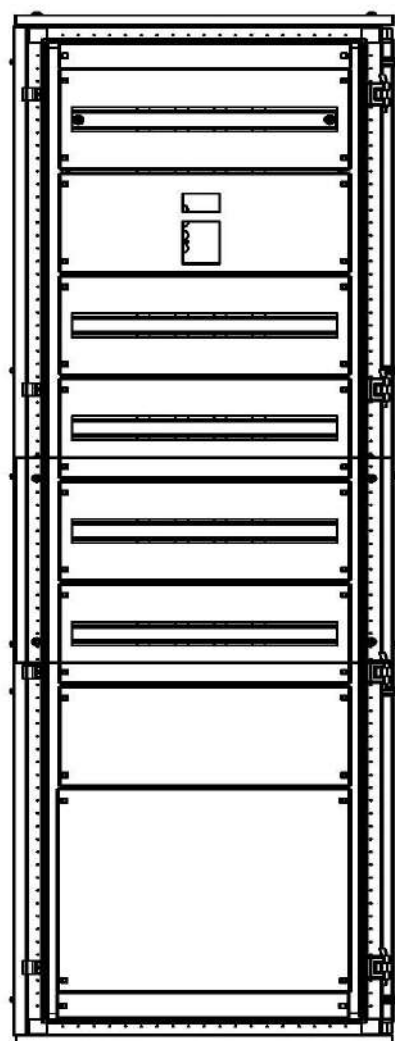
15/10 thick steel, painted textured RAL 7035. Fixed to the frame by means of hinges and locked by captive screws. Complete with 1 DIN guide per each modular cut-out.

COMPOSITION

Frame, roof, base and bottom. Glazed doors are orderable separately.

PROTECTION DEGREE

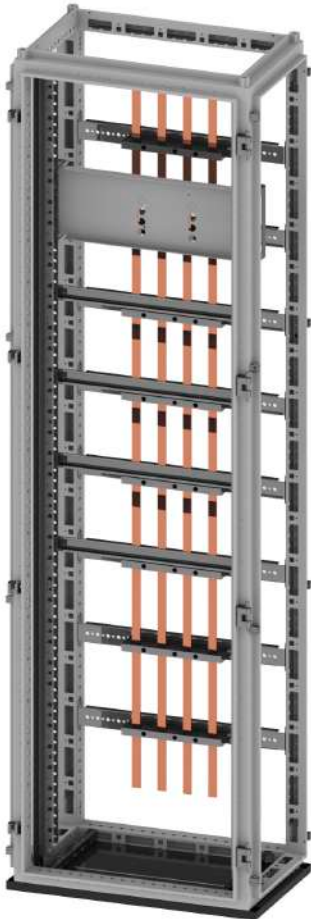
IP55 as per EN 60529 with a single front door.



Code for enclosure with rear panel only	Enclosure dimensions		
	Height H	Width L	Depth P
R5CQE1864R	1800	600	400
R5CQE1865R	1800	600	500
R5CQE1866R	1800	600	600
R5CQE1868R	1800	600	800
R5CQE1884R	1800	800	400
R5CQE1885R	1800	800	500
R5CQE1886R	1800	800	600
R5CQE1888R	1800	800	800
R5CQE2064R	2000	600	400
R5CQE2065R	2000	600	500
R5CQE2066R	2000	600	600
R5CQE2068R	2000	600	800
R5CQE2084R	2000	800	400
R5CQE2085R	2000	800	500
R5CQE2086R	2000	800	600
R5CQE2088R	2000	800	800
R5CQE2265R	2200	600	500
R5CQE2266R	2200	600	600
R5CQE2268R	2200	600	800
R5CQE2285R	2200	800	500
R5CQE2286R	2200	800	600
R5CQE2288R	2200	800	800

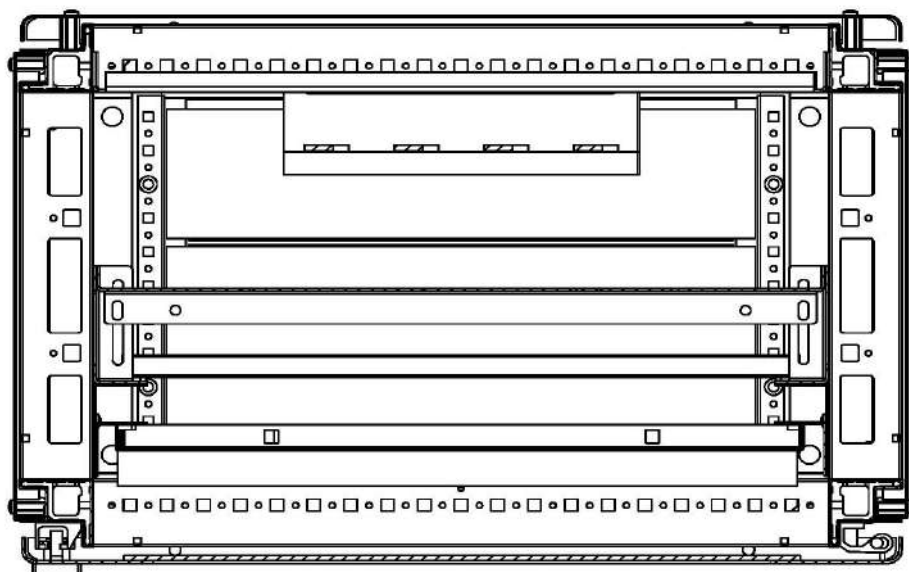
Assembling codes

Code	Description
RLADE22	Distribution doors mounting
RLACDE22	Distribution cells mounting



Enclosure arrangement with modular equipment

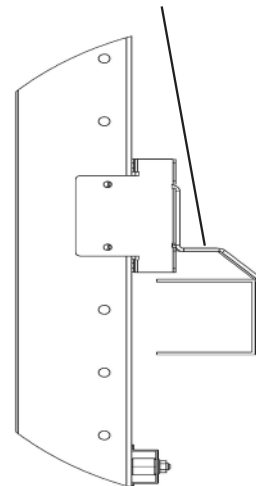
MODULARITY



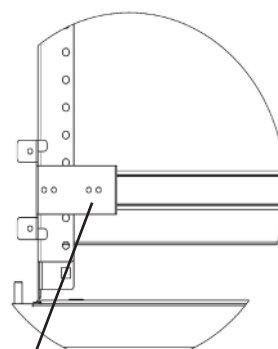
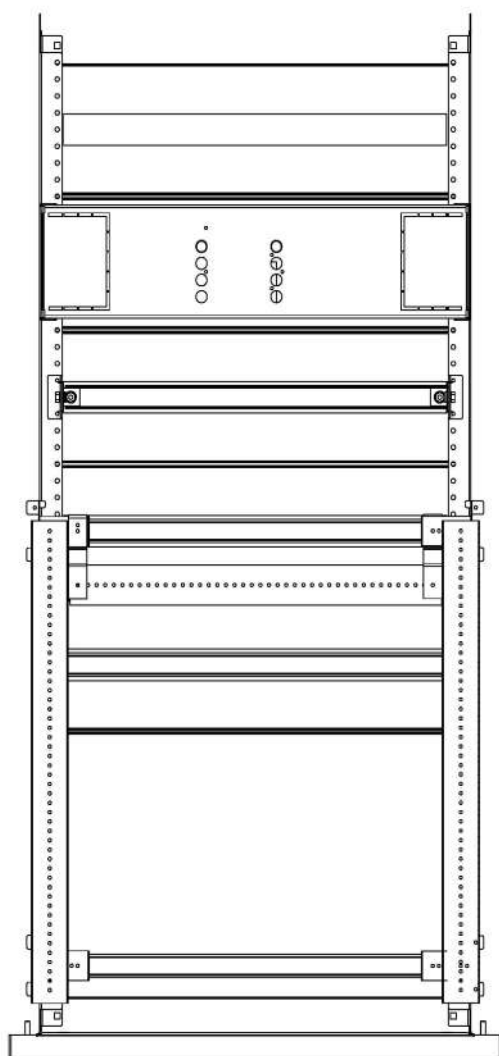
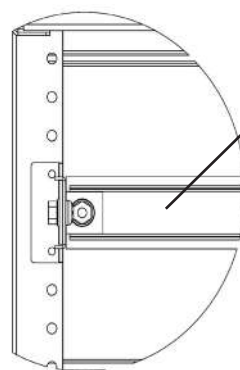
Front horizontal fastening bracket for cable ducts

Code **RZDSF02**

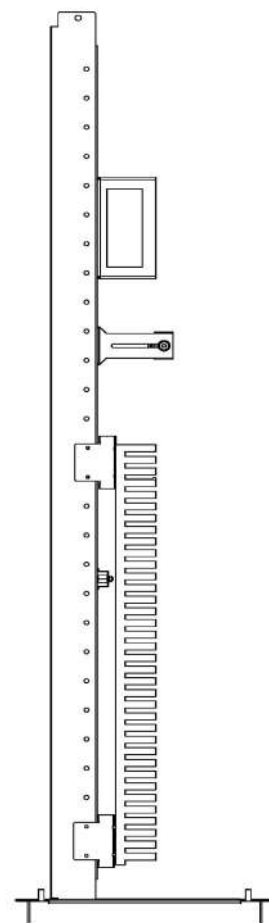
Code **RZDGR**



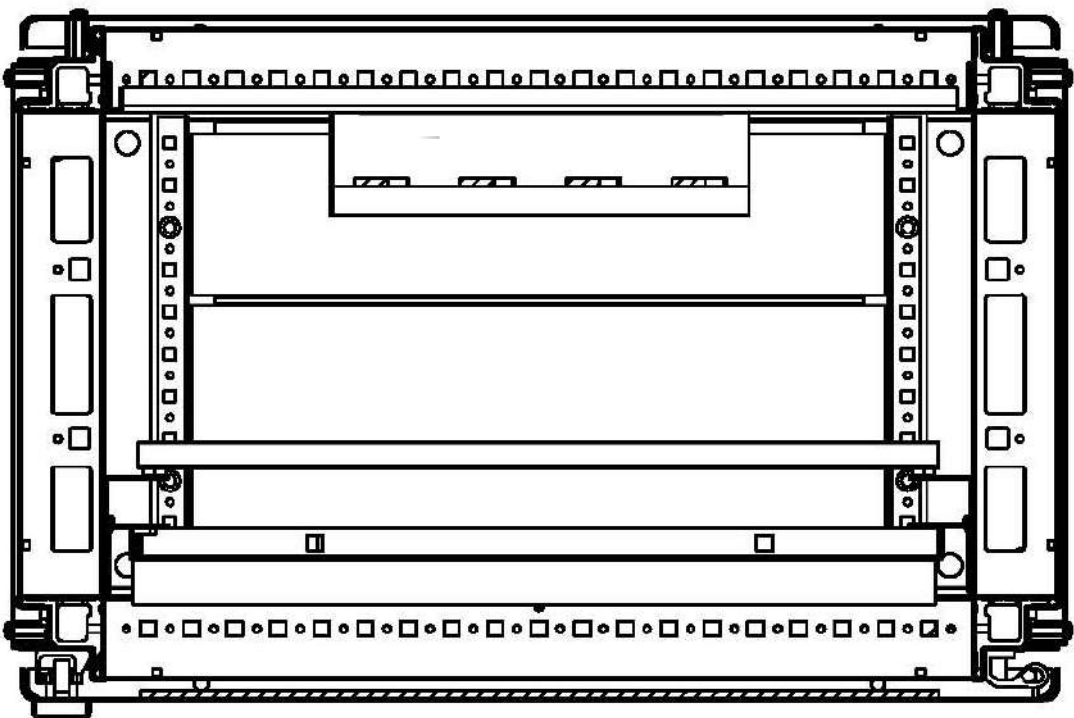
Adjustable DIN guide complete with supports
Code **RZDGR**



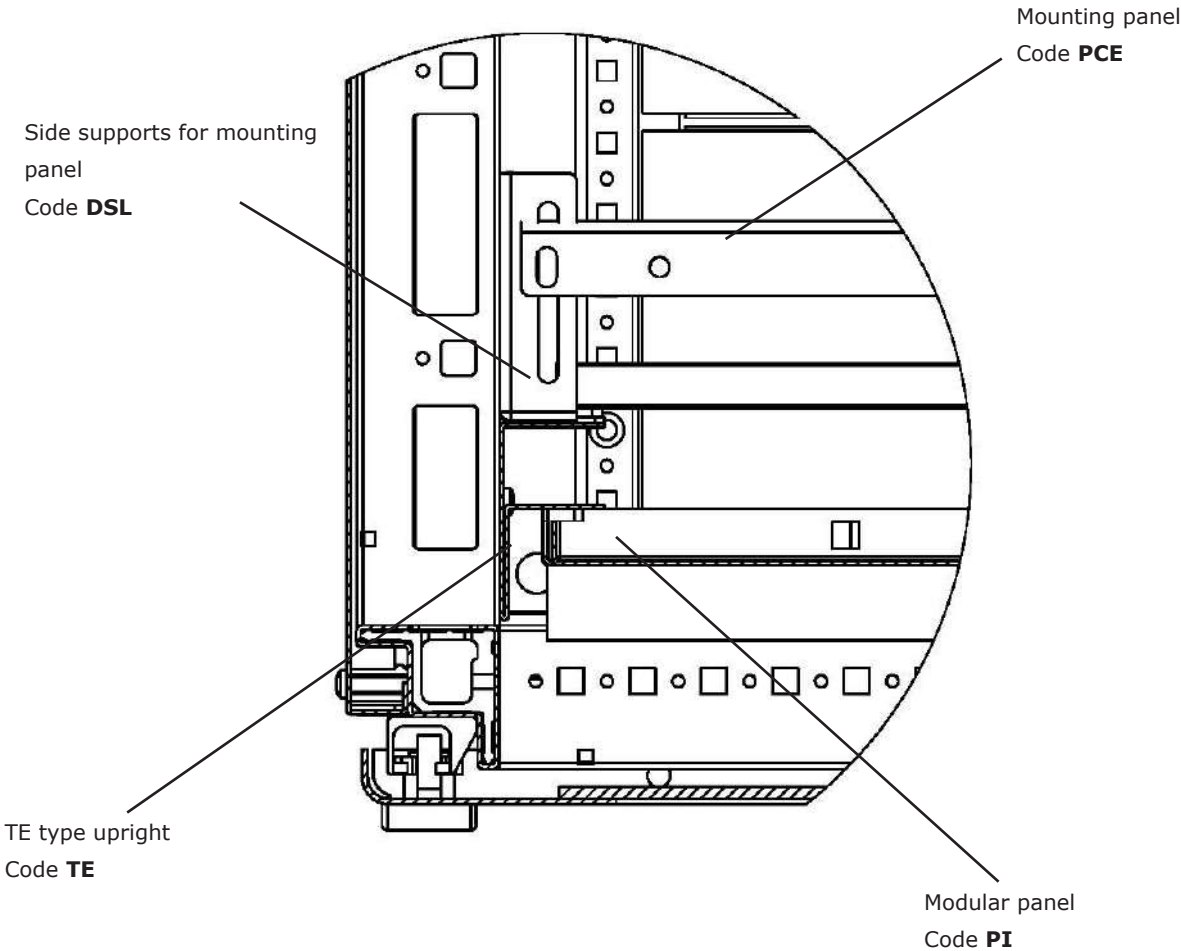
Rear fastening bracket for cable ducts
Code **RZDSF01**



Enclosure arrangement with modular equipment

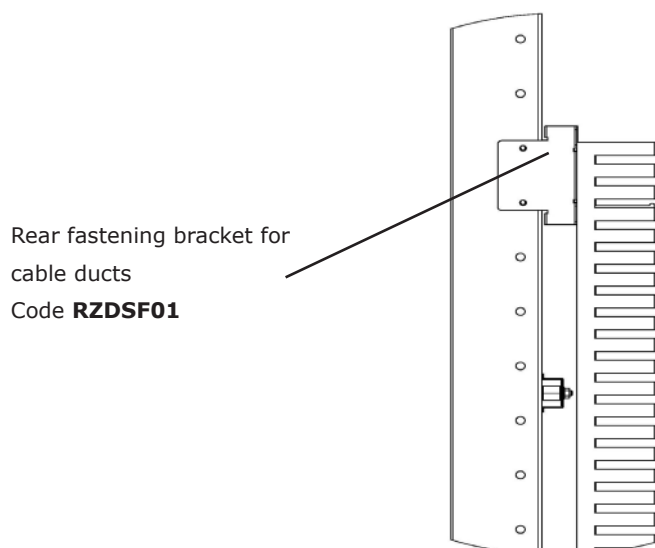
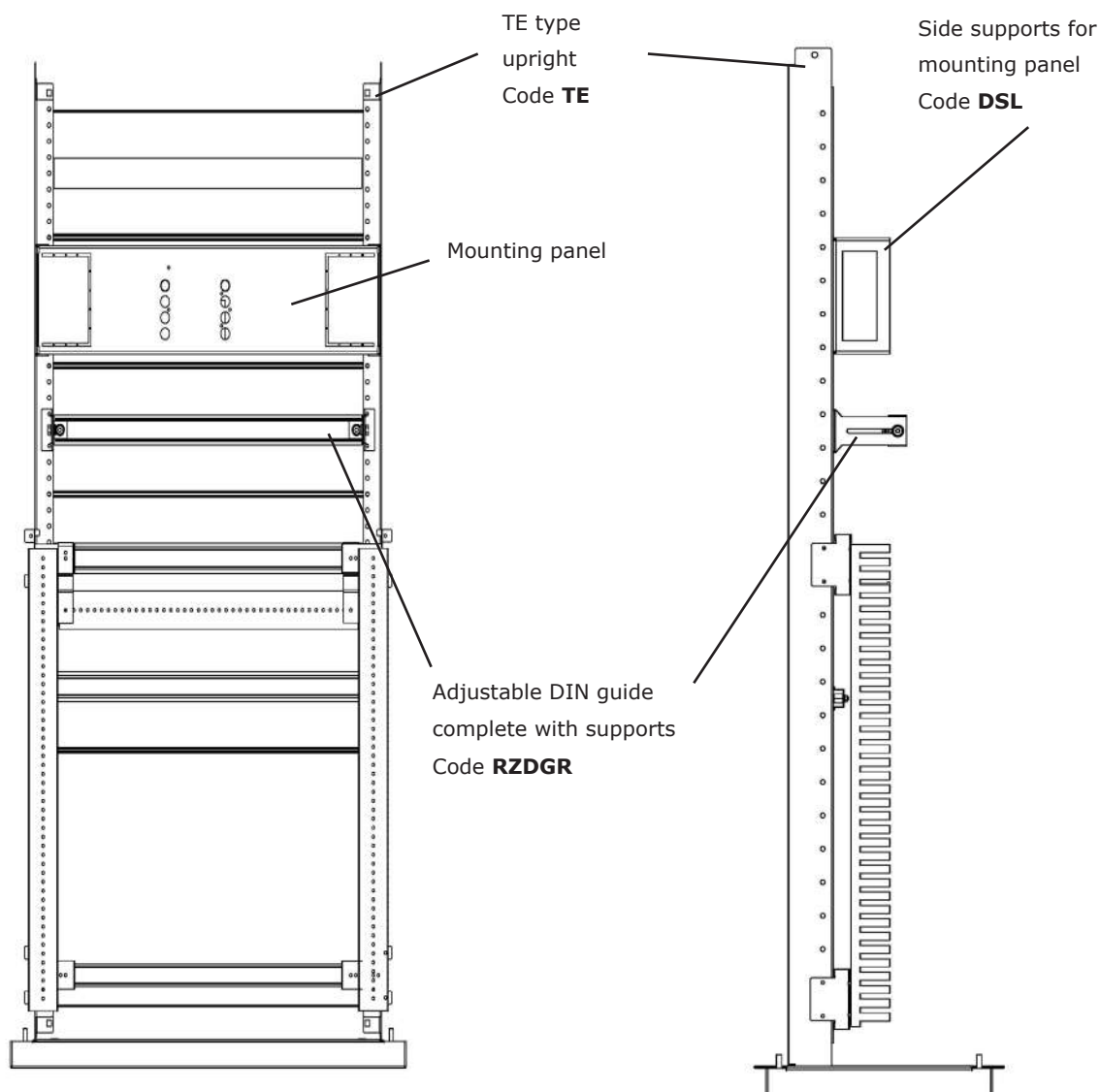


MODULARITY

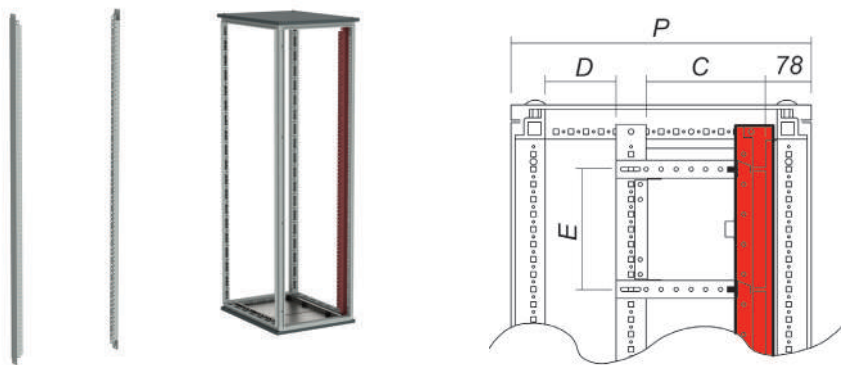


Enclosure arrangement with modular equipment

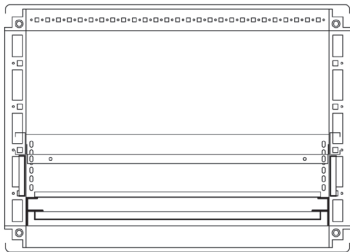
MODULARITY



Uprights for modular panels



- Manufactured of 15/10 thick sheet steel, external side painted RAL 7035 and galvanized internal side.
- Pack of 2 pieces complete with fasteners.



Code	Enclosure height
R5TE14	1400
R5TE16	1600
R5TE18	1800
R5TE20	2000
R5TE22	2200

Blanking panels



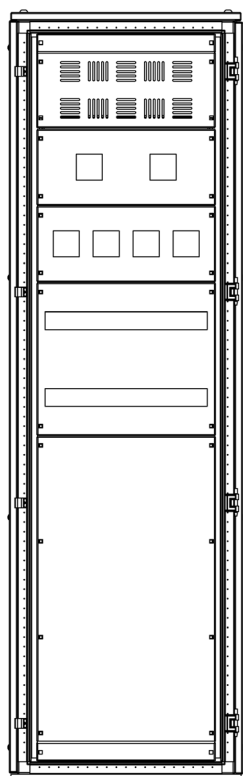
- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- Pack of 2 pieces complete with mounting accessories.

N.B. blanking panels are mandatory for front enclosure arrangement. H usable for arrangement = H enclosure – 200 mm.

Code	Enclosure height
R5PCD60	600
R5PCD80	800

Modular panels

MODULARITY



R5PI520A
R5PI720A

R5PI522
R5PI722

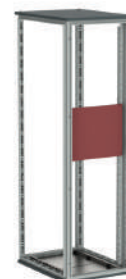
R5PI524
R5PI724

R5PI521
R5PI541
R5PI561
R5PI721
R5PI741
R5PI761

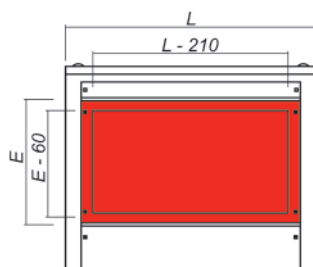
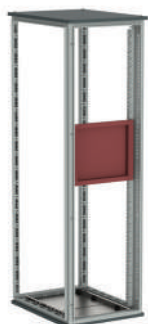
R5PI520
R5PI530
R5PI540
R5PI560
R5PI580
R5PI100
R5PI720
R5PI730
R5PI740
R5PI760

- Manufactured of 15/10 thick sheet steel painted textured RAL 7035.
- Panels with DIN cut-out are provided with the relative DIN guide.
- Pack of 1 piece complete with mounting accessories.

Code		Nominal cell height	Drilling description	
Width 600	Width 800		Width 600	Width 800
R5PI5150	R5PI7150	150	blank panel	
R5PI520	R5PI720	200	blank panel	
R5PI520A	R5PI720A	200	finned panel	
R5PI530	R5PI730	300	blank panel	
R5PI540	R5PI740	400	blank panel	
R5PI560	R5PI760	600	blank panel	
R5PI580	R5PI780	800	blank panel	
R5PI5100	R5PI7100	1000	blank panel	
R5PI5151	R5PI7151	150	1 cut-out for 23 modules	1 cut-out for 34 modules
R5PI521	R5PI721	200	1 cut-out for 23 modules	1 cut-out for 34 modules
R5PI531	R5PI731	300	1 cut-out for 23 modules	1 cut-out for 34 modules
R5PI541	R5PI741	400	2 cut-out for 23 modules	2 cut-out for 34 modules
R5PI561	R5PI761	600	3 cut-out for 23 modules	3 cut-out for 34 modules
R5PI522	R5PI722	200	2 holes 68 x 68 mm	
R5PI524	R5PI724	200	4 holes 68 x 68 mm + 1 holes - Ø 10 mm	



Inward modular panel



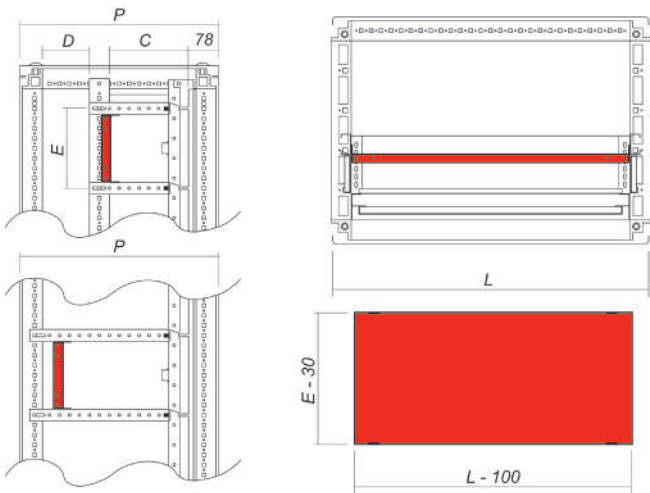
- Manufactured of 15/10 sheet steel, painted textured RAL 7035.
- Allows utilizing switches with high control lever up to 100 mm.
- Pack of 1 piece complete with mounting accessories

Code		Nominal cell height	Distance door - insert
Width 600	Width 800		
R5PA6040	R5PA8040	400	110 mm
R5PA6060	R5PA8060	600	110 mm

Modular mounting panel

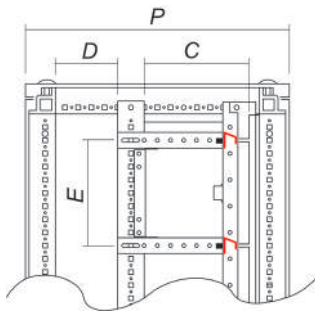


- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Adjustable in depth.
- Pack of 1 piece complete wit fasteners.



Nominal cell height E	Code	
	Enclosure width L = 600	Enclosure width L = 800
200	RZPCE6200	RZPCE8200
300	RZPCE6300	RZPCE8300
400	RZPCE6400	RZPCE8400
500	RZPCE6500	RZPCE8500
600	RZPCE6600	RZPCE8600
800	RZPCE6800	RZPCE8800
900	RZPCE6900	RZPCE8900
1000	RZPCE61000	RZPCE81000

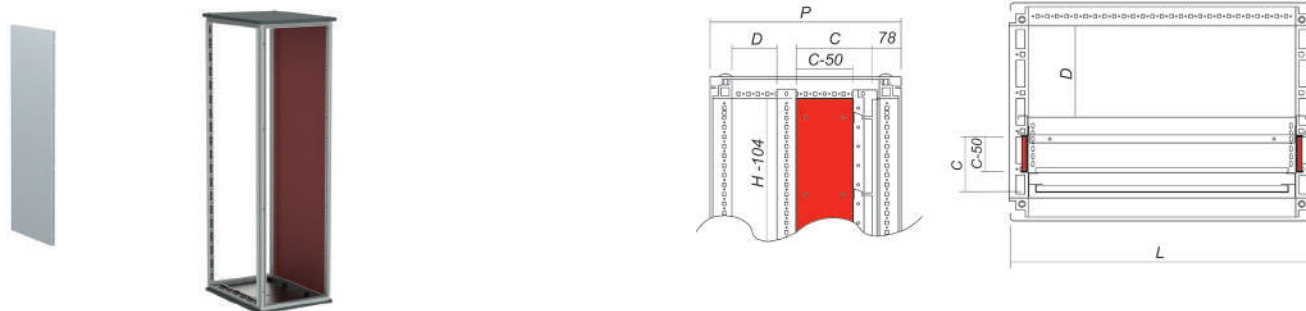
Ledge for panels



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 1 piece complete with mounting accessories

Code	Enclosure width
RZBPE60	600
RZBPE80	800

Full and partial vertical divider



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 1 piece complete with fasteners.

Enclosure depth P	Cell depth C	Partial vertical divider			Full vertical divider		
		Enclosure height H			Enclosure height H		
		1800	2000	2200	1800	2000	2200
400	97	RZDVP18100	RZDVP20100		RZDVE1840	RZDVE2040	
400	147	RZDVP18150	RZDVP20150		RZDVE1840	RZDVE2040	
500	97	RZDVP18100	RZDVP20100	RZDVP22100	RZDVE1850	RZDVE2050	RZDVE2250
500	147	RZDVP18150	RZDVP20150	RZDVP22150	RZDVE1850	RZDVE2050	RZDVE2250
500	247	RZDVP18250	RZDVP20250	RZDVP22250	RZDVE1850	RZDVE2050	RZDVE2250
600	97	RZDVP18100	RZDVP20100	RZDVP22100	RZDVE1860	RZDVE2060	RZDVE2260
600	147	RZDVP18150	RZDVP20150	RZDVP22150	RZDVE1860	RZDVE2060	RZDVE2260
600	247	RZDVP18250	RZDVP20250	RZDVP22250	RZDVE1860	RZDVE2060	RZDVE2260
800	97	RZDVP18100	RZDVP20100	RZDVP22100	RZDVE1880	RZDVE2080	RZDVE2280
800	147	RZDVP18150	RZDVP20150	RZDVP22150	RZDVE1880	RZDVE2080	RZDVE2280
800	247	RZDVP18250	RZDVP20250	RZDVP22250	RZDVE1880	RZDVE2080	RZDVE2280
800	347	RZDVP18350	RZDVP20350	RZDVP22350	RZDVE1880	RZDVE2080	RZDVE2280

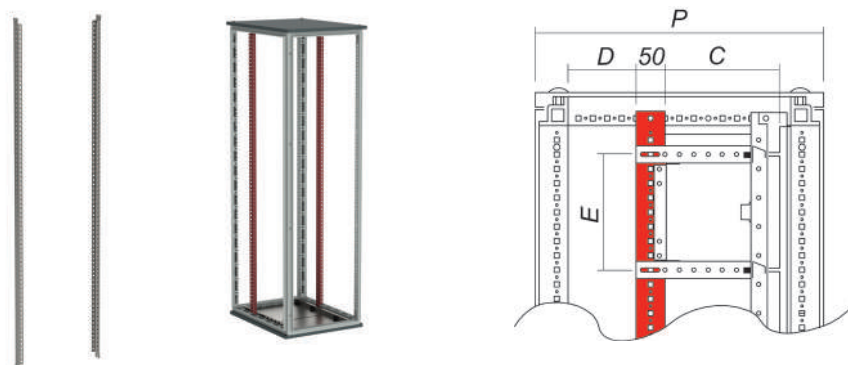
Plug panel



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Being interposed between mounting panels it is purposed to provide IP20 protection degree.
- Pack of 5 pieces complete with fasteners.

Code	Enclosure width
RZFCP60	600
RZFCP80	800

Vertical support



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 2 pieces complete with fasteners.

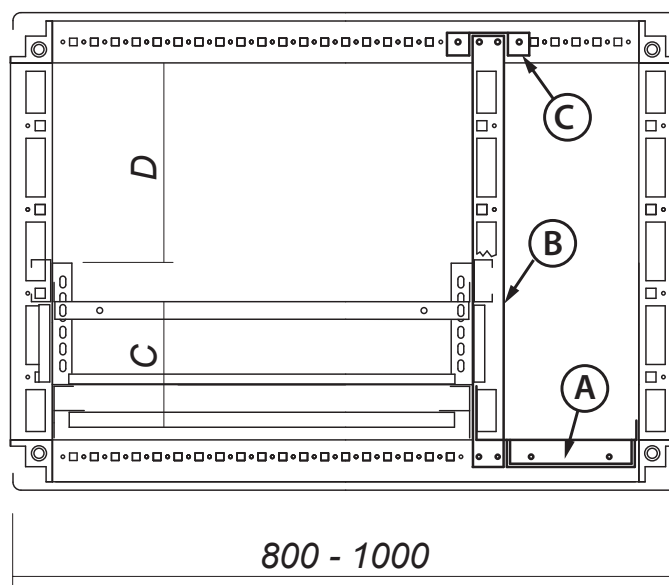
Code	Enclosure height
RZMVE18	1800
RZMVE20	2000
RZMVE22	2200

Internal module with 200 mm side compartment



- A. Side compartment with door.
 B. Pair of intermediate rails (mounted inwards).
 C. Rear upright.

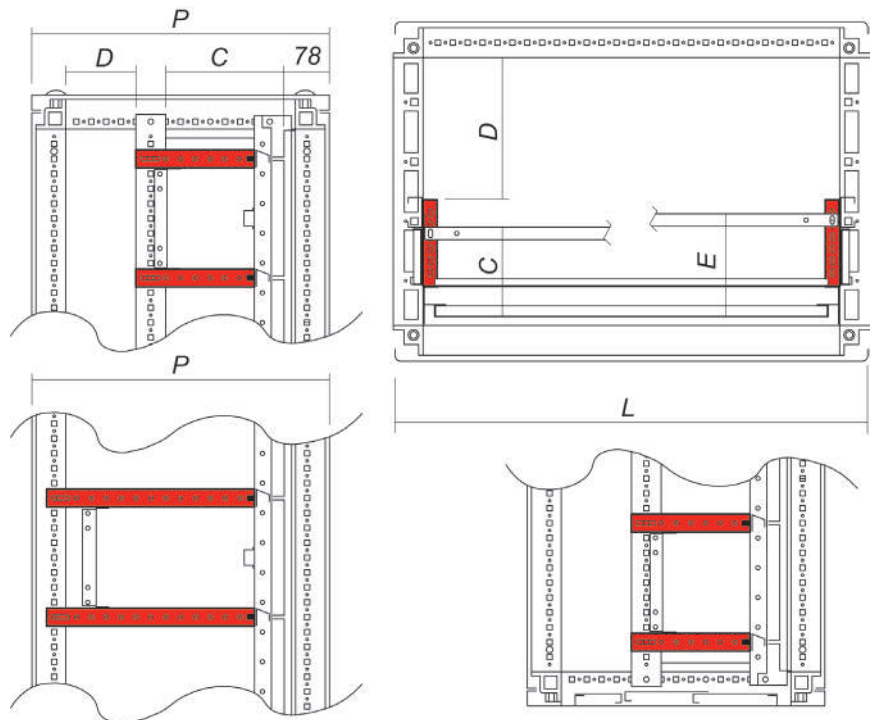
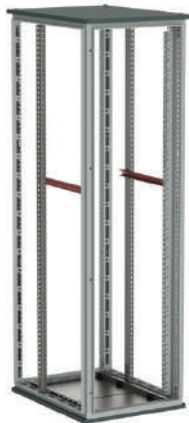
- Complete with fasteners.



Code	Enclosure height	Enclosure depth
R5PFI1840	1800	400
R5PFI1850	1800	500
R5PFI1860	1800	600
R5PFI1880	1800	800
R5PFI2040	2000	400
R5PFI2050	2000	500
R5PFI2060	2000	600
R5PFI2080	2000	800

Full and partial horizontal support

MODULARITY

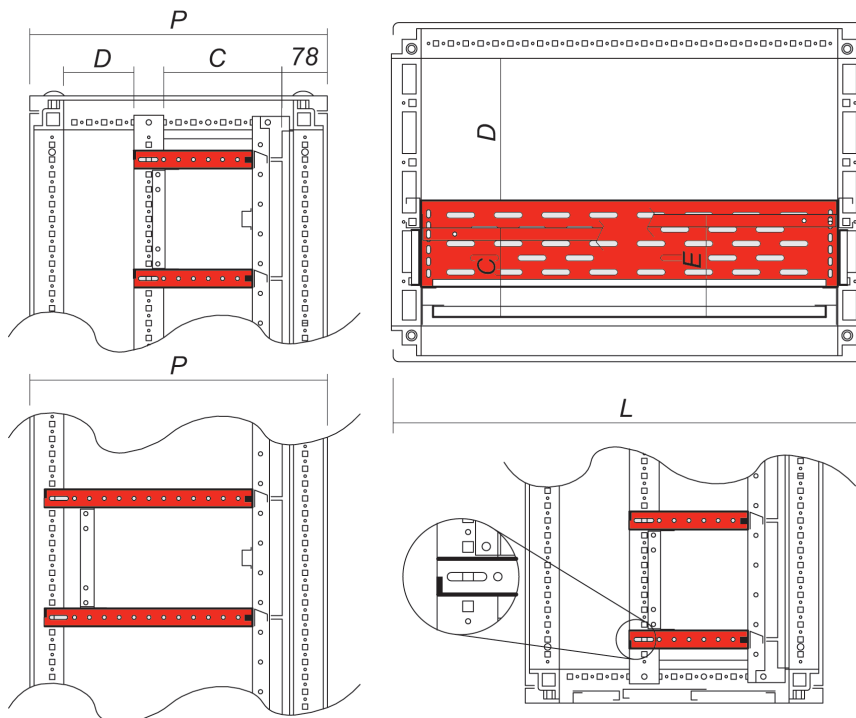
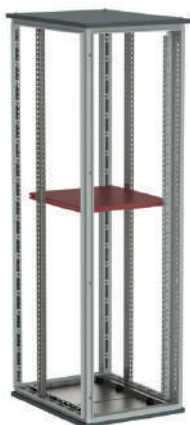
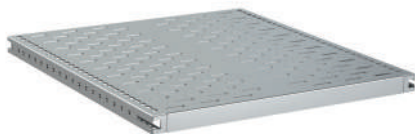


- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 2 piece complete with fasteners.

Enclosure depth	C	D	E	Partial horizontal support	Full horizontal support
300	-	-	-	-	RZSOE145
400	97	118	127	RZSOE095	RZSOE245
400	147	68	177	RZSOE145	RZSOE245
500	97	218	127	RZSOE095	RZSOE345
500	147	168	177	RZSOE145	RZSOE345
500	247	68	277	RZSOE245	RZSOE345
600	97	318	127	RZSOE095	RZSOE445
600	147	268	177	RZSOE145	RZSOE445
600	247	168	277	RZSOE245	RZSOE445
800	97	518	127	RZSOE095	RZSOE645
800	147	468	177	RZSOE145	RZSOE645
800	247	368	277	RZSOE245	RZSOE645
800	347	268	377	RZSOE345	RZSOE645

Full and partial horizontal divider

- Manufactured of 15/10 thick Sendzimir galvanized steel.
- Pack of 1 piece complete with fasteners



Enclosure depth	C	D	E	Partial horizontal divider		Full horizontal divider	
				Width 600	Width 800	Width 600	Width 800
300	-	-	-	-	-	RZDOE6145	RZDOE8145
400	97	118	127	RZDOE6095	RZDOE8095	RZDOE6245	RZDOE8245
400	147	68	177	RZDOE6145	RZDOE8145	RZDOE6245	RZDOE8245
500	97	218	127	RZDOE6095	RZDOE8095	RZDOE6345	RZDOE8345
500	147	168	177	RZDOE6145	RZDOE8145	RZDOE6345	RZDOE8345
500	247	68	277	RZDOE6245	RZDOE8245	RZDOE6345	RZDOE8345
600	97	318	127	RZDOE6095	RZDOE8095	RZDOE6445	RZDOE8445
600	147	268	177	RZDOE6145	RZDOE8145	RZDOE6445	RZDOE8445
600	247	168	277	RZDOE6245	RZDOE8245	RZDOE6445	RZDOE8445
800	97	518	127	RZDOE6095	RZDOE8095	RZDOE6645	RZDOE8645
800	147	468	177	RZDOE6145	RZDOE8145	RZDOE6645	RZDOE8645
800	247	368	277	RZDOE6245	RZDOE8245	RZDOE6645	RZDOE8645
800	347	268	377	RZDOE6345	RZDOE8345	RZDOE6645	RZDOE8645

Modular panels and perforated panels for fixed horizontal boxed thermomagnetic switches with or without subordinate defferential protection

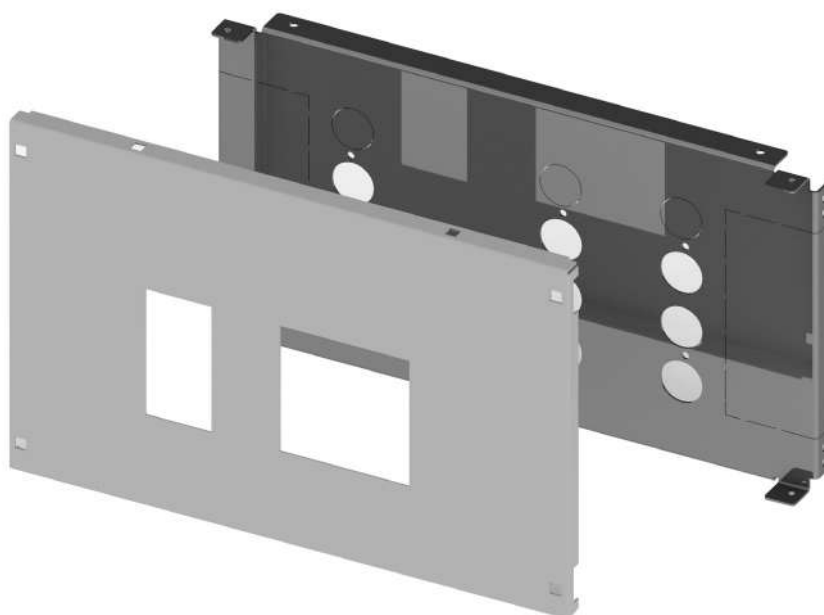
- Suitable for 3/4 pole switches (knock-out type 4th pole).
- Fixed with front and rear joints.

Horizontal mounting kit for fixed boxed switches; front and rear joints

- The kit is composed by: front perforated panel and perforated mounting panel of 20/10 thick Sendzimir galvanized steel complete with mounting accessories.
- The mounting panel is not provided with side supports (code RZDSL).

Modular panel perforated for mounting with escutcheon plate

- Manufactured of 15/10 thick steel painted textured RAL 7035.
- Reversible hinged panel (right-hand and left-hand pre-mounted hinges).
- Fastening system with captive screws.
- Mounting accessories.



Perforation codes for switches

TAB.1 Perforated panels for BTICINO switches with or without subordinate differential protection

BTICINO	L600	L800	NUMBER OF POLES	PANEL H
M125	R5PD0160	R5PD0180	3/4	200
M160	R5PD0260	R5PD0280	3/4	200
M250	R5PD0360	R5PD0480	3/4	200
M160/250	R5PD0460	R5PD0480	3/4	200
M400-630	R5PD0461	R5PD0481	3/4	300
M800/M1600	-	R5PD0482	3/4	400

TAB.2 Perforated panels for ABB switches with or without subordinate differential protection

ABB	L600	L800	NUMBER OF POLES	PANEL H
TMAXT1	R5PD0560	R5PD0580	3/4	200
TMAXT2	R5PD0660	R5PD0680	3/4	200
TMAXT3	R5PD0760	R5PD0780	3/4	300
TMAXT4	R5PD0761	R5PD0781	3/4	300
TMAXT5	R5PD0762	R5PD0782	3/4	300
TMAXT6	-	R5PD0783	3/4	400
TMAXT7	-	R5PD0784	3/4	400

TAB.3 Perforated panels for SCHNEIDER switches with or without subordinate differential protection

SCHNEIDER	L600	L800	NUMBER OF POLES	PANEL H
NSX100/160/250	R5PD0860	R5PD0880	3/4	200
NSX400/630	R5PD0861	R5PD0881	3/4	300

Other types of switches different from those listed in tables 1, 2 and 3 are also installable with the help of **modular** panels or blank **mounting** panels

Side supports for mounting panels



- Manufactured of 20/10 thick galvanized steel, complete with fasteners.
- Slotted supports purposed for installation of perforated for boxed switches or blank mounting panels (please, refer to codes PCE 6200-8200-8400).
- Adjustable in depth.
- Front panel to mounting panel max. distance is equal to 118 mm.
- Pack of 1 pair.

Code	Support height	Mounting panel height
RZDSL20	200	200
RZDSL30	300	300
RZDSL40	400	400

Horizontal DIN guide for terminal boards



- 35x15 DIN guide with mounting supports
- To be fixed directly to upright ART. TE
- Pack of 1 piece complete with mounting accessories

Code	Enclosure width
RZDGD60	600
RZDGD80	800

Side rail for bus supports and cables fixing



- Manufactured of 20/10 thick Sendzimir galvanized steel. The profile is provided with a row of holes with Ø6 and Ø9 with 25 mm pitch.
- Pack of 4 pieces complete with fasteners.

To be applied:

1. along the enclosure width
2. under the roof along the enclosure width

Code	Enclosure depth
RZDL40	400
RZDL50	500
RZDL60	600
RZDL80	800

Cross rail for bus supports and cables fixing to enclosure bottom



- Manufactured of 20/10 thick sendzimir galvanized steel, provided with a row of holes Ø6 and Ø9 with 25 mm pitch.
- Pack of 4 pieces complete with fasteners.

Code	Enclosure width	Max. load for each rail
RZDTF30	300	150
RZDTF40	400	100
RZDTF60	600	90
RZDTF80	800	80
RZDTF100	1000	60
RZDTF120	1200	45

Adjustable DIN guide complete with supports



- N° 1 35x15 mm DIN guide.
- N° 2 supports of 20/10 thick galvanized steel, adjustable in depth.
- Being mounted directly to a (ART. TE) upright allows fixing modular and non-modular equipment in the depth. The adjustment range is from the min. depth of 46 mm up to 118 mm max.
- Pack of 1 piece complete with fasteners.

Code	Width
RZDGR60	600
RZDGR80	800

Rear mounting bracket for cable ducts



Code RZDSF01

- Manufactured of 20/10 thick galvanized steel, to be fixed directly to ART. TE uprights.
- Allows cable duct rear mounting both vertically and horizontally (L.60mm MAX) and complete utilization of the space for equipment.
- Pack of 4 pieces complete with fasteners.



Front horizontal fastening bracket for cable duct

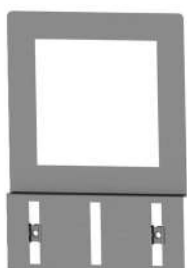


Code RZDSF02

- Manufactured of 20/10 thick galvanized steel, may be mounted directly to RZDSF01 bracket or directly to a DIN guide.
- Pack of 10 pieces complete with fasteners.



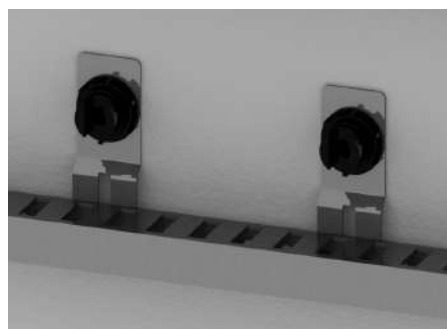
Cable duct bracket for square measurement instruments



- Manufactured of 10/10 thick galvanized steel
- Pack of 10 pieces
- Complete with mounting accessories

Code	Description
RZDPC72	72X72
RZDPC96	96X96

Cable duct bracket for pushbuttons



- Manufactured of 10/10 thick galvanized steel
- Complete with mounting accessories

Code	Description	Number of pieces for pack
RZDPC22	22	50
RZDPC30	30	30



system for connecting machines

Electrical equipment of machine

WALKABLE ALUMINUM COVERS 3+2 MM.

The system for electrical equipment of machines includes walkable covers made of 3+2 mm aluminum checker plate. They are suitable for both internal and external environments and have been designed for crosswalk areas.

In order to satisfy various requirements, walkable covers can be used with solid or perforated cable trays assuring a major ventilation.

The covers are easy to install and anchored to the widths by means of quarter turn fasteners.

The walkable system is suitable for protection and safe laying of cables and flexible pipes at all the types of electrical installations: from low voltage power cabling up to data and network lines.

The accessories completing the product range allow to create a system conformable to whatever requirement.



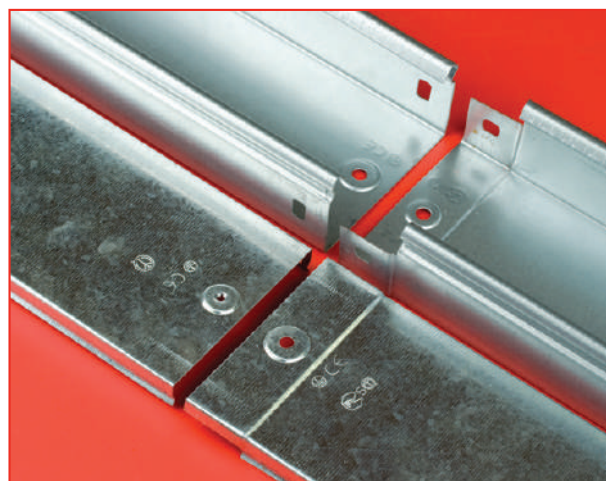
50x50 TRAYS AND ACCESSORIES

The system for electrical equipment of machines by DKC includes H50 metal cable trays and a wide range of accessories of reduced dimensions (50x50) suitable for protection and safe cable laying.

All the accessories are characterized by the covers with special wings that assure a stable and reliable coupling with widths.

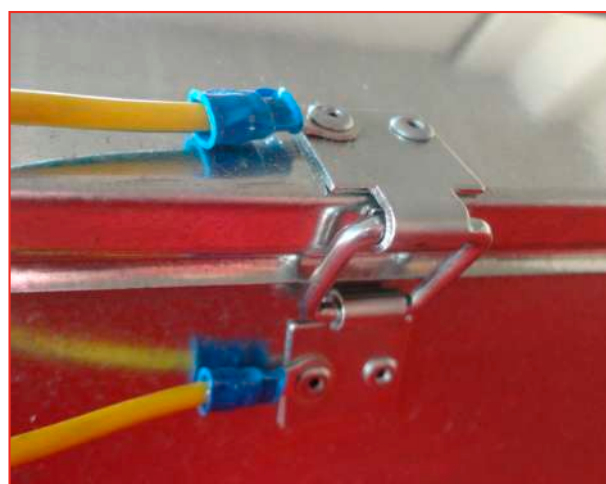
Their shape has been designed so that any risk to damage the cables while laying is avoided.

Available finishes are Sendzimir, painted blue and painted RAL 7035 grey.



TRAYS WITH HINGED COVERS

The system for electrical equipment of machines is complete with trays provided with hinged covers. The covers are mounted to the widths by means of hinges and braids for equipotential connection. The finish available is Sendzimir; the trays are conform to IP20 protection degree if perforated and to IP40 in case of solid trays.

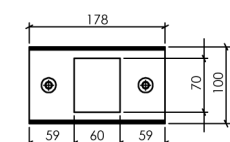
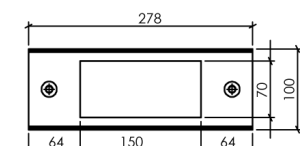
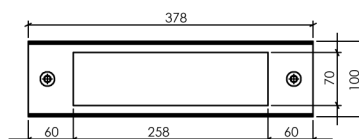
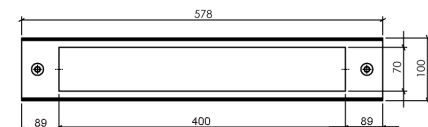
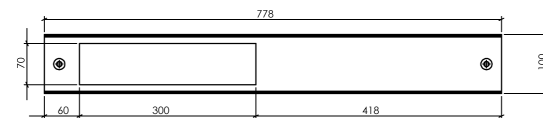
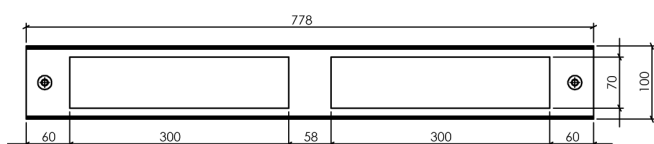
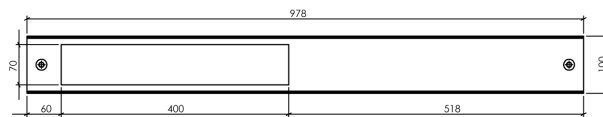
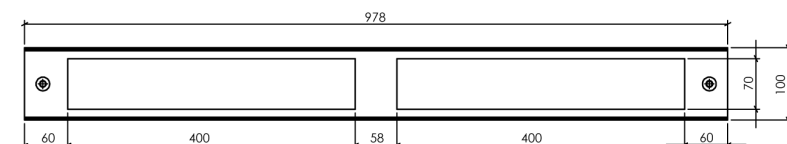


Please, refer to **COMBITECH** catalogue for codes and further details

Tray – to – enclosure plinth connection flange



Height H, mm	Width B, mm	Hole, position	Hole dimensions	Code	Pack/pcs
100	400	1, central	60x70	R1ZFP411	1
	500	1, central	150x70	R1ZFP511	1
	600	1, central	258x70	R1ZFP611	1
	800	1, central	458x70	R1ZFP811	1
	1000	1, side reversible	300x70	R1ZFP1011	1
	1000	2	300x70	R1ZFP1012	1
	1200	1, side reversible	400x70	R1ZFP1211	1
	1200	2	400x70	R1ZFP1212	1

**R1ZFP411****R1ZFP511****R1ZFP611****R1ZFP811****R1ZFP1011****R1ZFP1012****R1ZFP1211****R1ZFP1212**



**100%
tested**

Coolers for electrical enclosures

Wall Mount Indoor our Outdoor Coolers	176
Roof Mount Indoor Coolers	202
Slim OUT and Slim IN indoor coolers	211
Air/water heat exchanges	232
Thermoelectric coolers with Peltier effect	234
Ventilation	240

Wall mount coolers indoor



DKC wall mount coolers represent an ideal solution for all applications, where it is necessary to cool and to keep separate an electrical board from the environment.

This system proves to be an optimal solution, whenever it is required to prevent the components installed inside an electrical board from damaging by high temperatures (with $T_{\text{ambient}} > T_{\text{internal enclosure}}$) maintaining a high protection degree against water, dust and chemical agents. In order to simplify the installation the design provides for a reduced number of mounting cutout templates, so that units with different power may be managed with the same cutouts, satisfying whatever requirement of cooling.

Available with power range from 300 to 6000W (as per DIN 3168/EN815).

Special voltage and frequency are available upon request.



Modern production line equipped with electronic consultation of assembly instructions

Conformity and Approvals



Protection degree

- IP 54 enclosure side and IP 34 external side as per EN 60529 standard



Fast deliveries throughout the national territory thanks to products always available on stock



Assembly service and product customization



High professionalism of our operators

Technical data and pictures given in this document are not binding. DKC reserves the right to make whatever modification necessary to improve the products at any time.

Wall version



Digital thermostat



Polyurethane gasket machinery applied



Condensation sink standard for the whole range for TOP version.
Condensation sink standard from power 3000 W for BASE version.
Security pressostat for the whole range.
Valve for the charge of compressor
Standard on TOP and BASE range.



Terminal block for ON/OFF alarm management (door micro switch) and RS485 serial interface for remote control of up to 32 units on TOP version. RS485 to be requested in order phase.



Standard air filter

WALL

Wall mount coolers 300 W



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◇ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM03021LB	R5KLM03021LT	R5KLM03042LB*	R5KLM03042LT*	R5KLM03021LU
Version	BASE	TOP	BASE	TOP	UL
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph	400 Vac - 2 ph	400 Vac - 2 ph	230 Vac - 1 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	330 / 360 W	330 / 360 W	330 / 360 W	330 / 360 W	320 / 350 W
Refrigerating power L35/L50 as per DIN 3168	270 / 280 W	270 / 280 W	270 / 280 W	270 / 280 W	260 / 270 W
Dimensions H x W x D (height x width x depth)	500 x 310 x 188				500 x 280 x 180
FLA Full Load Amperes	1,3 / 1,5 A	1,3 / 1,5 A	0,8 / 0,9 A	0,8 / 0,9 A	1,3 / 1,5 A
Starting current	9 A	9 A	6 A	6 A	9 A
Suggested protective and security device: fuse T	4 A	4 A	4 A	4 A	3 A
Absorption L35L35	190 / 220 W	190 / 220 W	190 / 220 W	190 / 220 W	190 / 220 W
Absorption L35L50	220 / 270 W	220 / 270 W	220 / 270 W	220 / 270 W	220 / 270 W
Temperature regulating range (factory set)	from +30°C to +40°C				
Operating temperature (Environment)	from +20°C to +50°C				from +20°C to +55°C
Protection degree of enclosure facing side	IP 54	IP 54	IP 54	IP 54	IP 54
Noise level	61 dB (A)	61 dB (A)	61 dB (A)	61 dB (A)	61 dB (A)
Weight	20 kg	20 kg	20 kg	20 kg	20 kg
Coolant type	R134a	R134a	R134a	R134a	R134a
Operating cycle type	100%	100%	100%	100%	100%
Approvals	CE EAC				CE cULRU

* External Power Transformer

Optional:

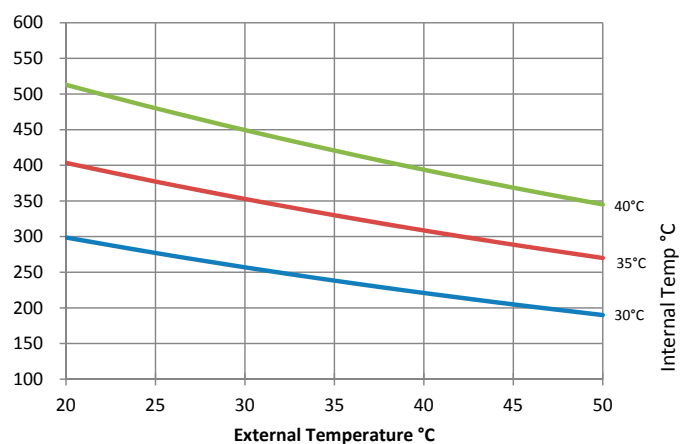
Non-standard color = R9KLMxxxxxLB/T/U (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxLB/T/U

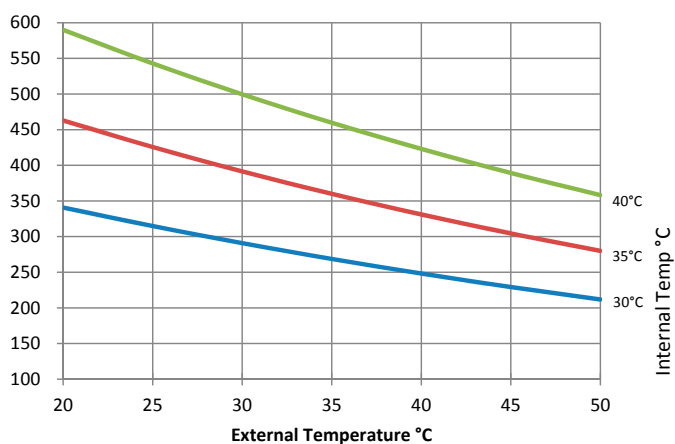
AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power

W 50Hz

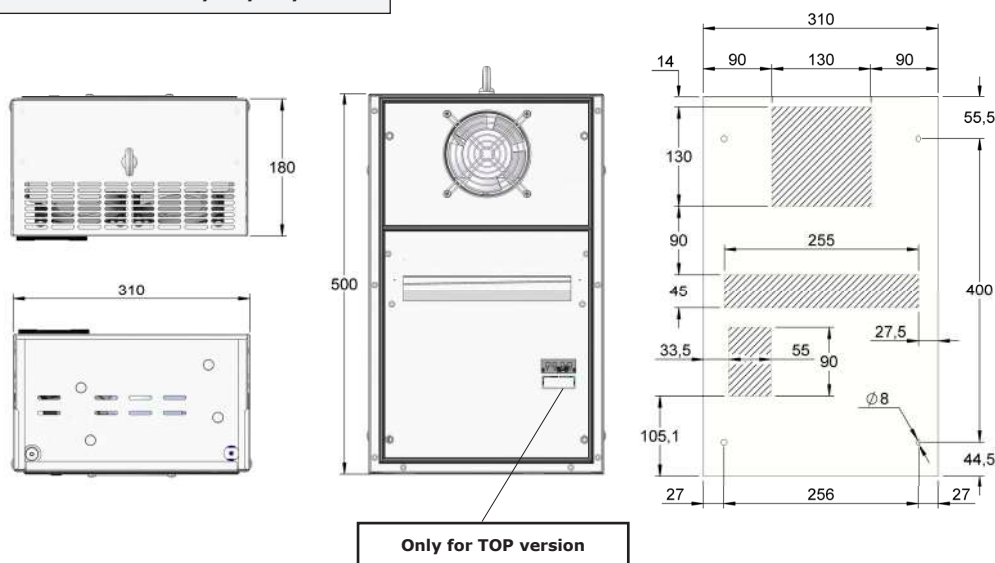


W 60Hz

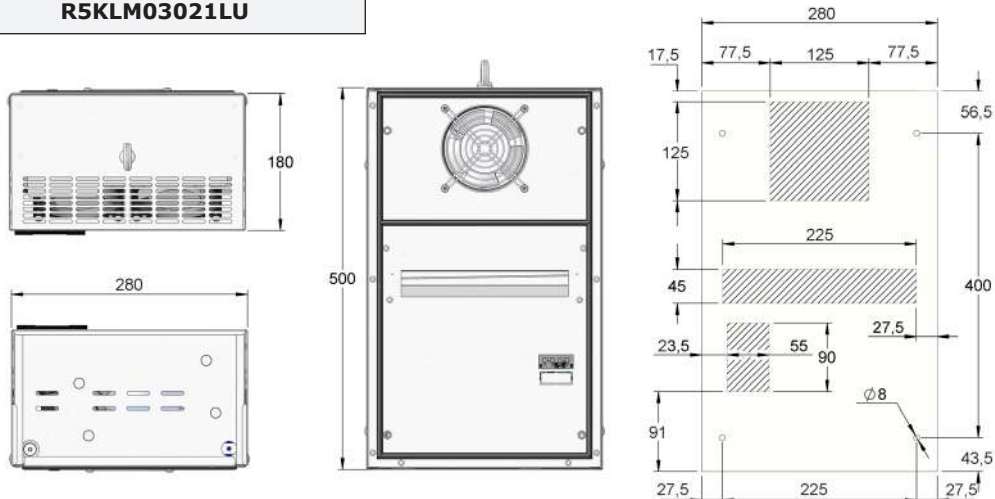


Dimensions and mounting cut-outs (mm)

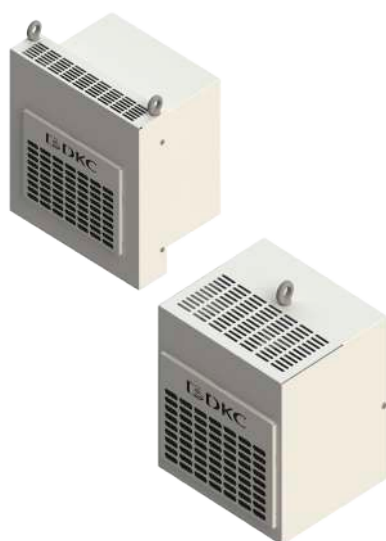
R5KLM03021/42/LB/T



R5KLM03021LU



Smart cool coolers 300 W



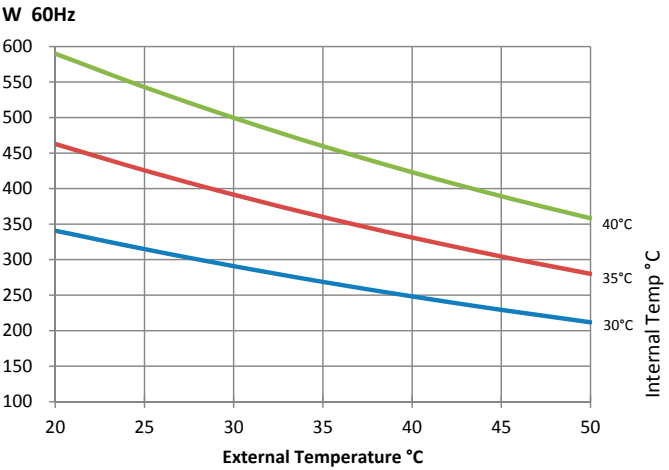
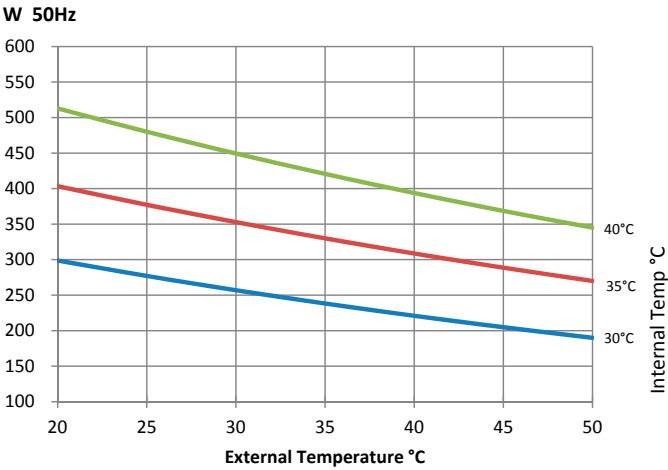
The new SMART COOL coolers line represents the ideal solution for the conditioning of small enclosures or for all the needs of the containment space.

Also available in built-in version, interchangeable drill template with our ventilation line to the electrical panel.

- Cooling capacity 300W.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◊ 2 PLUG-IN power supply connectors. alarm control by means of a terminal board.
- Polyurethane gasket machinery applied
- Thermoregulator internal display
- RAL 7035 standard color

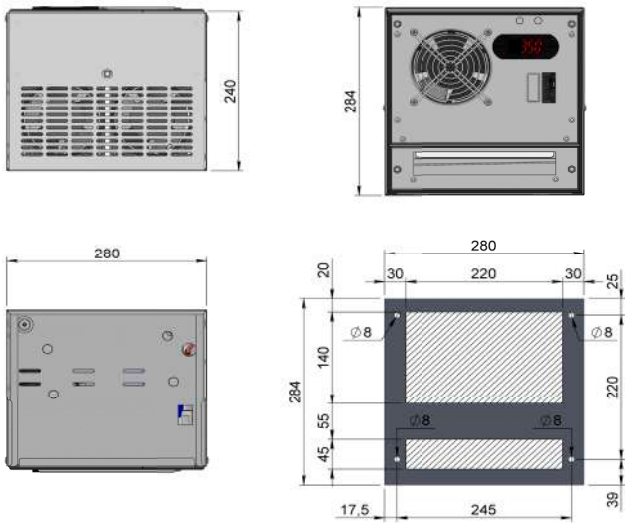
	R5KLM03021OOT	R5KLM03021OIT
Supply voltage	230 Vac - 1 ph	
Frequency	50 / 60 Hz	
Refrigerating power L35/L35 as per DIN 3168	330 / 360 W	
Refrigerating power L35/L50 as per DIN 3168	270 / 280 W	
Dimensions H x W x D (height x width x depth)	284 x 280 x 240 mm	346 x 343 x 245 mm
FLA Full Load Amperes	1,3 / 1,5 A	
Starting current	9 A	
Suggested protective and security device: fuse T	4 A	
Absorption L35L35	190 / 220 W	
Absorption L35L50	220 / 270 W	
Temperature regulating range (factory set)	from 30° C to 40° C	
Operating temperature (Environment)	from + 20° C to + 50° C	
Protection degree of enclosure facing side / External side	IP 54	
Noise level	61 dB (A)	
Weight	20 kg	
Coolant type	R134a	
Operating cycle type	100%	
Approvals		

Refrigeration power

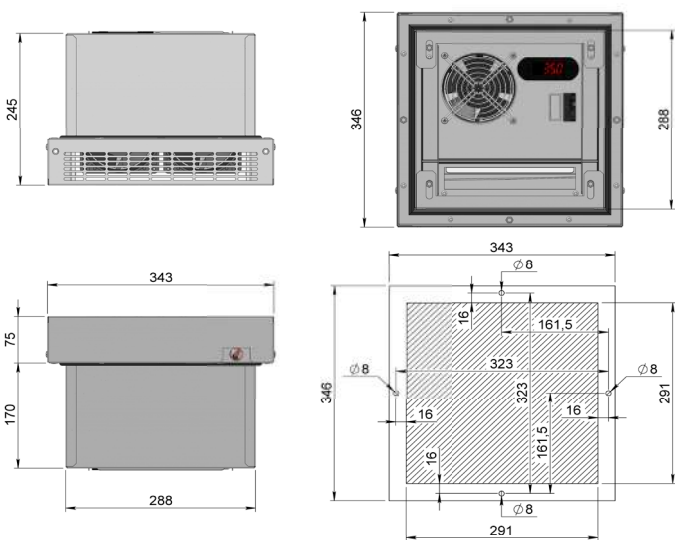


Dimensions and mounting cut-outs (mm)

R5KLM030210OT



R5KLM030210IT



Wall mount coolers 500 W



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◇ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM05021LB	R5KLM05021LT	R5KLM05042LB	R5KLM05042LT	R5KLM05011LU	R5KLM05021LU	R5KLM05042LU
Version	BASE	TOP	BASE	TOP	UL	UL	UL
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph	400 Vac - 2 ph	400 Vac - 2 ph	115 Vac - 1 ph	230 Vac - 1 ph	460 Vac - 2 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/ L35 as per DIN 3168	530 / 560 W	530 / 560 W	520 / 550 W	520 / 550 W	520 / 550 W	520 / 550 W	520 / 550 W
Refrigerating power L35/ L50 as per DIN 3168	410 / 430 W	410 / 430 W	400 / 420 W	400 / 420 W	400 / 420 W	400 / 420 W	400 / 420 W
Dimensions H x W x D (height x width x depth)	630 x 310 x 222	630 x 310 x 222	595 x 280 x 220	595 x 280 x 220	595 x 280 x 220	595 x 280 x 220	595 x 280 x 220
FLA Full Load Amperes	2 / 2,2 A	2 / 2,2 A	1,2 / 1,3 A	1,2 / 1,3 A	4,5 / 5 A	2,1 / 2,3 A	1,1 / 1,2 A
Starting current	11 A	11 A	7 A	7 A	22 A	11 A	7 A
Suggested protective and security device: fuse T	6 A	6 A	4 A	4 A	12 A	6 A	4 A
Absorption L35L35	280 / 330 W	280 / 330 W	280 / 330 W	280 / 330 W	310 / 360 W	300 / 350 W	290 / 340 W
Absorption L35L50	320 / 390 W	320 / 390 W	320 / 390 W	320 / 390 W	350 / 420 W	340 / 410 W	330 / 400 W
Temperature regulating range (factory set)	from +30°C to +40°C						
Operating temperature (Environment)	from +20°C to +50°C				from +20°C to +55°C		
Protection degree of enclosure facing side	IP 54						
Noise level	67 dB (A)						
Weight	24 kg	24 kg	26 kg	26 kg	26 kg	24 kg	26 kg
Coolant type	R134a						
Operating cycle type	100%						
Approvals	CE ENEC				CE cRU RU		

Optional:

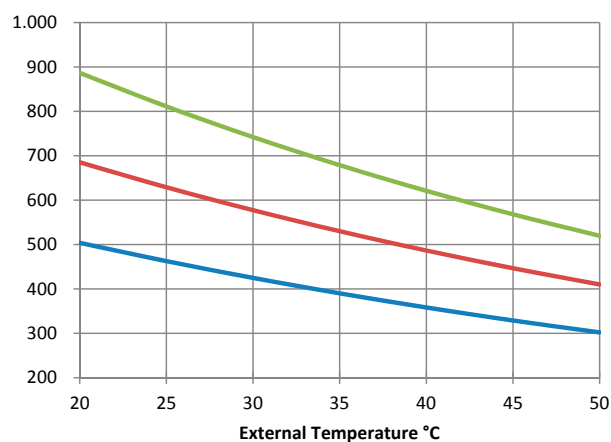
Non-standard color = R9KLMxxxxxLB/T/U (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxLB/T/U

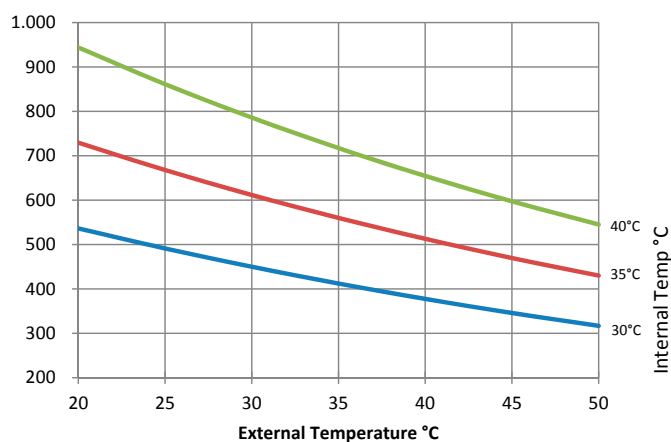
AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power

W 50Hz

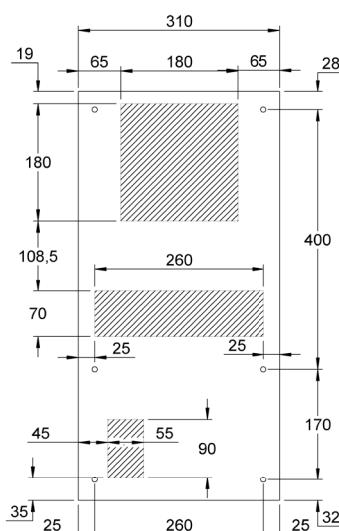
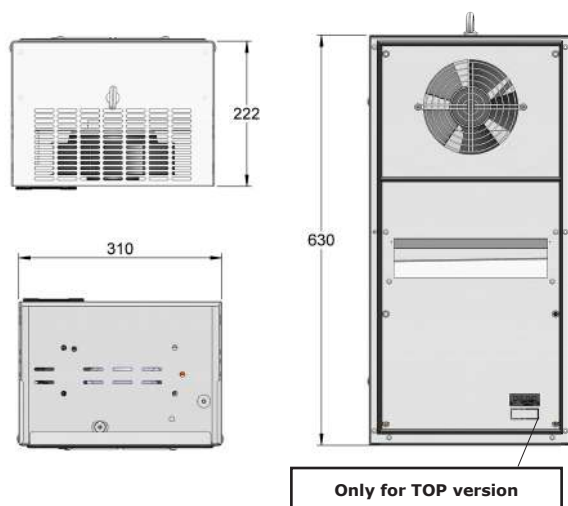


W 60Hz

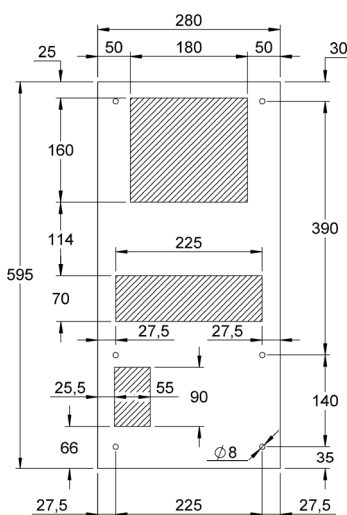
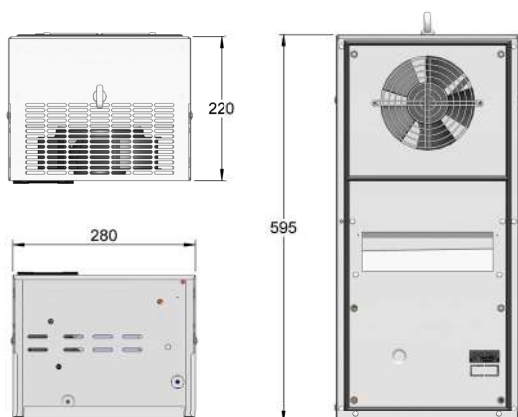


Dimensions and mounting cut-outs (mm)

R5KLM05021LB/T



R5KLM05042/11/21/LB/T/U



Cooling unit with aluminium components technology 500 W



- Condensation coil in aluminum with upper efficiency of 30%.
- Reduced dimensions.
- Lesser condensation temperature: 20%.
- Lesser refrigerant load.
- Polyurethane gasket machinery applied.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◊ 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board
- Versions with non-standard supply voltage are available upon request.

	R5KLM05021LM
Supply voltage	230 Vac - 1 ph
Frequency	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	520 / 550 W
Refrigerating power L35/L50 as per DIN 3168	400 / 420 W
Dimensions H x W x D (height x width x depth)	505 x 280 x 170 mm
FLA Full Load Amperes	2 / 2,2 A
Starting current	11 A
Suggested protective and security device: fuse T	6 A
Absorption L35L35	280 / 330 W
Absorption L35L50	320 / 390 W
Temperature regulating range (factory set)	from 30° C to 40° C
Operating temperature (Environment)	from + 20° C to + 50° C
Protection degree of enclosure facing side	IP 54
Noise level	67 dB (A)
Weight	20 kg
Coolant type	R134a
Operating cycle type	100%
Approvals	CE EAC

Optional:

Non-standard color = R9KLMxxxxxLM (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxLM

AISI INOX 316 = R6KLMxxxxxLM

Wall mount coolers 800 W



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◊ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◊ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM08021LB	R5KLM08021LT	R5KLM08042LB	R5KLM08042LT	R5KLM08011LU	R5KLM08021LU	R5KLM08042LU
Version	BASE	TOP	BASE	TOP	UL	UL	UL
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph	400 Vac - 2 ph	400 Vac - 2 ph	115 Vac - 1 ph	230 Vac - 1 ph	460 Vac - 2 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/ L35 as per DIN 3168	860 / 940 W	860 / 940 W	830 / 900 W	830 / 900 W	830 / 900 W	830 / 900 W	830 / 900 W
Refrigerating power L35/ L50 as per DIN 3168	690 / 720 W	690 / 720 W	650 / 690 W	650 / 690 W	650 / 690 W	650 / 690 W	650 / 690 W
Dimensions H x W x D (height x width x depth)	630 x 310 x 222	630 x 310 x 222	630 x 280 x 270	630 x 280 x 270	630 x 280 x 270	630 x 280 x 270	630 x 280 x 270
FLA Full Load Amperes	2,9 / 3,2 A	2,9 / 3,2 A	1,7 / 1,9 A	1,7 / 1,9 A	6 / 6,5 A	3 / 3,3 A	1,5 / 1,7 A
Starting current	17 A	17 A	9 A	9 A	34 A	17 A	9 A
Suggested protective and security device: fuse T	6 A	6 A	4 A	4 A	12 A	6 A	6 A
Absorption L35L35	400 / 460 W	400 / 460 W	400 / 460 W	400 / 460 W	420 / 480 W	400 / 460 W	400 / 460 W
Absorption L35L50	450 / 540 W	450 / 540 W	450 / 540 W	450 / 540 W	470 / 560 W	450 / 540 W	450 / 540 W
Temperature regulating range (factory set)	from +30°C to +40°C						
Operating temperature (Environment)	from +20°C to +50°C				from +20°C to +55°C		
Protection degree of enclosure facing side	IP 54						
Noise level	67 dB (A)						
Weight	28 kg	28 kg	31 kg	31 kg	28 kg	28 kg	31 kg
Coolant type	R134a						
Operating cycle type	100%						
Approvals	CE ENEC				CE eRU RU		

Optional:

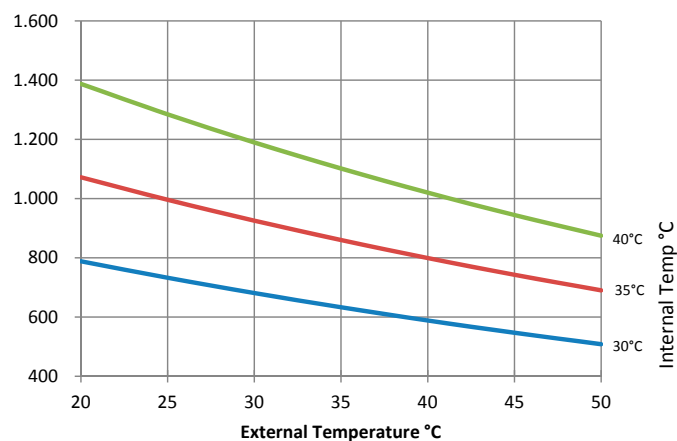
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AISI INOX 304 = RIKLMxxxxxLB/T/U

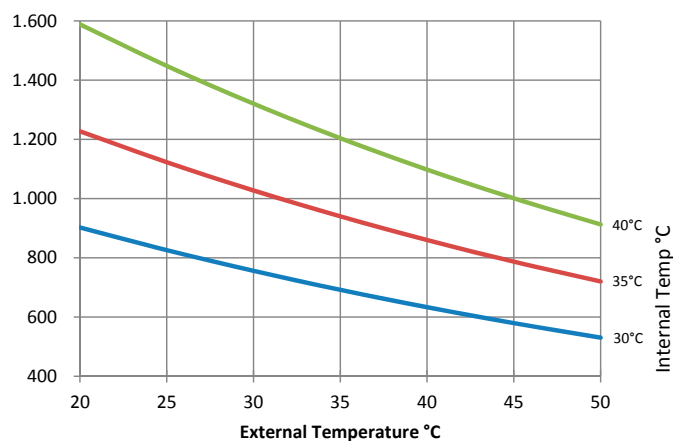
AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power

W 50Hz

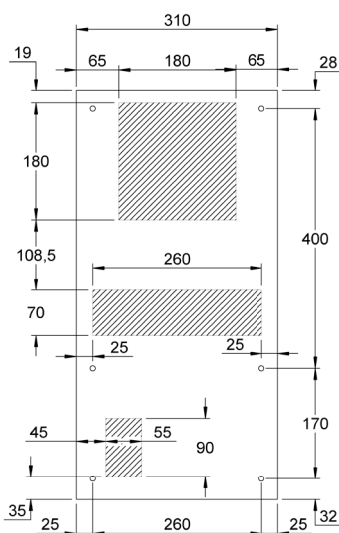
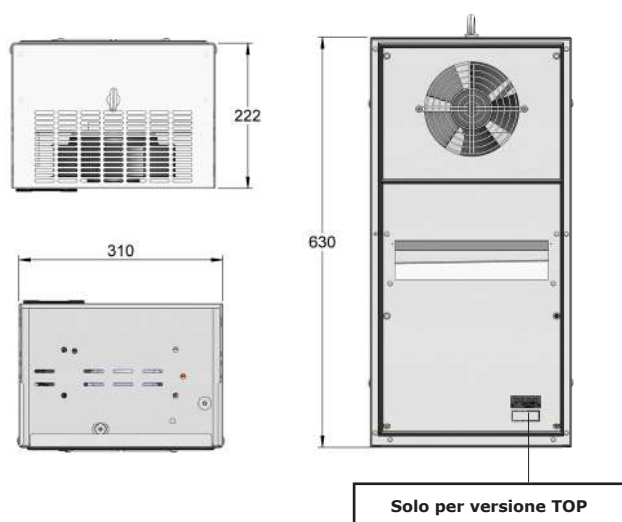


W 60Hz

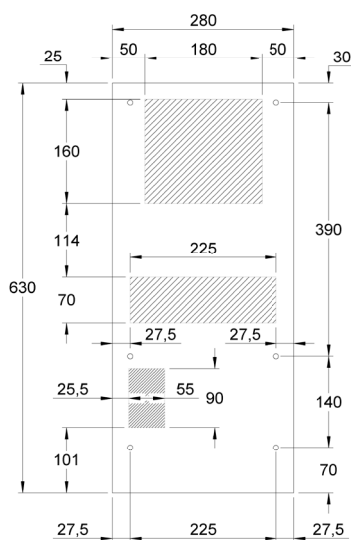
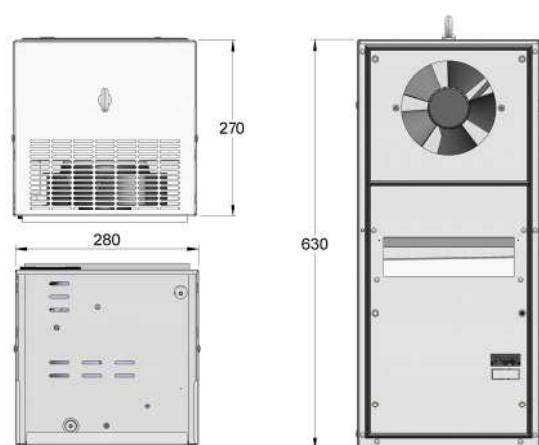


Dimensions and mounting cut-outs (mm)

R5KLM08021LB/T



R5KLM08042/11/21/LB/T/U



Wall mount coolers 1000 W



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◇ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM10021LB	R5KLM10021LT	R5KLM10042LB	R5KLM10042LT	R5KLM10011LU	R5KLM10021LU	R5KLM10042LU
Version	BASE	TOP	BASE	TOP	UL	UL	UL
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph	400 Vac - 2 ph	400 Vac - 2 ph	115 Vac - 1 ph	230 Vac - 1 ph	460 Vac - 2 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/ L35 as per DIN 3168	1020 / 1120 W	1020 / 1120 W	1020 / 1120 W	1020 / 1120 W	1020 / 1120 W	1020 / 1120 W	1020 / 1120 W
Refrigerating power L35/ L50 as per DIN 3168	820 / 860 W	820 / 860 W	820 / 860 W	820 / 860 W	820 / 860 W	820 / 860 W	820 / 860 W
Dimensions H x W x D (height x width x depth)	950 x 400 x 237	950 x 400 x 237	1050 x 400 x 237	1050 x 400 x 237	1050 x 400 x 237	950 x 400 x 237	1050 x 400 x 237
FLA Full Load Amperes	3,7 / 4,1 A	3,7 / 4,1 A	2,1 / 2,4 A	2,1 / 2,4 A	8 / 9 A	3,7 / 4,1 A	2,2 / 2,5 A
Starting current	20 A	20 A	13 A	13 A	40 A	20 A	13 A
Suggested protective and security device: fuse T	8 A	8 A	4 A	4 A	16 A	8 A	6 A
Absorption L35L35	490 / 570 W	490 / 570 W	490 / 570 W	490 / 570 W	510 / 590 W	490 / 570 W	490 / 570 W
Absorption L35L50	540 / 650 W	540 / 650 W	540 / 650 W	540 / 650 W	560 / 670 W	540 / 650 W	540 / 650 W
Temperature regulating range (factory set)	from +30°C to +40°C						
Operating temperature (Environment)	from +20°C to +50°C				from +20°C to +55°C		
Protection degree of enclosure facing side	IP 54						
Noise level	67 dB (A)						
Weight	38 kg	38 kg	47 kg	47 kg	45 kg	40 kg	47 kg
Coolant type	R134a						
Operating cycle type	100%						
Approvals	CE ENEC				CE cUL ENEC		

Optional:

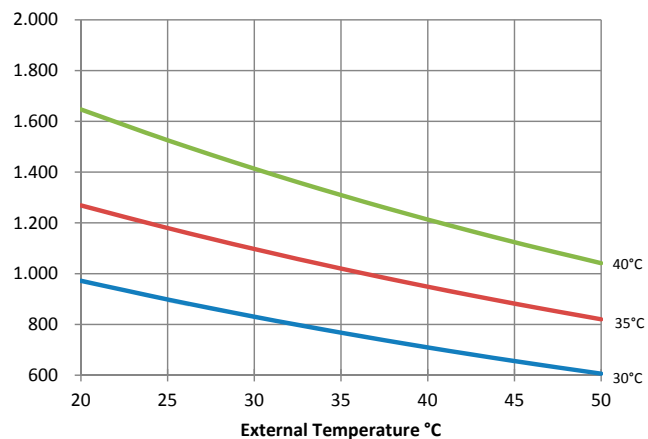
Non-standard color = R9KLMxxxxxLB/T/U (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxLB/T/U

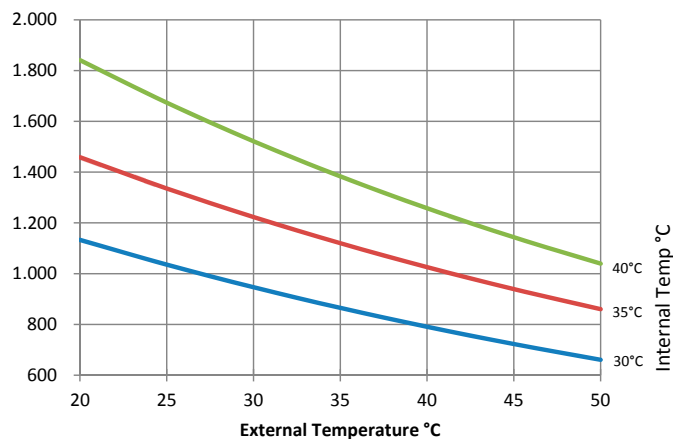
AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power

W 50Hz

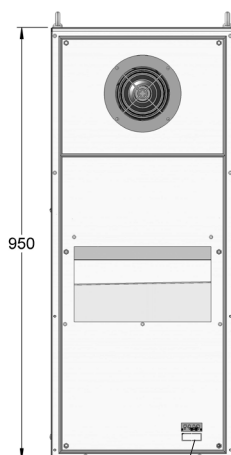
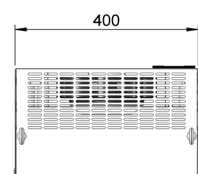


W 60Hz

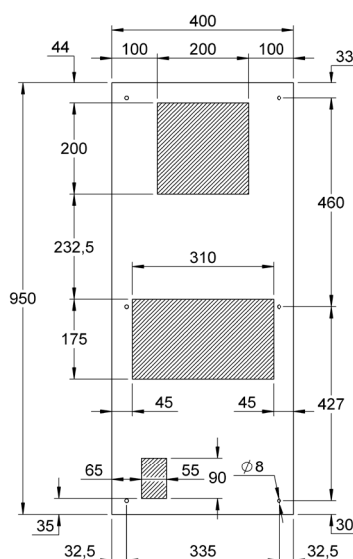


Dimensions and mounting cut-outs (mm)

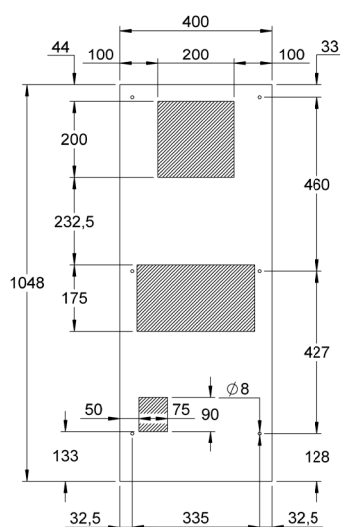
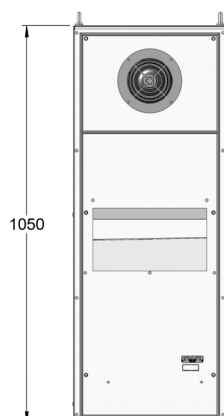
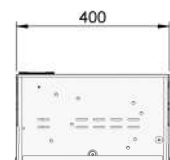
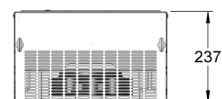
R5KLM10021/LB/T/U



Only for TOP version



R5KLM10042/11/LB/T/U



Wall mount coolers with aluminium condensation battery 1000 W



- Polyurethane gasket machinery applied
- Standard air filter
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
- Versions with non-standard supply voltage are available upon request
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM10021LMB	R5KLM10042LMB
Supply voltage	230 Vac - 1 ph	400 Vac - 2 ph
Frequency	50 / 60 Hz	
Refrigerating power L35/L35 as per DIN 3168	1020 / 1120 W	1020 / 1120 W
Refrigerating power L35/L50 as per DIN 3168	820 / 860 W	820 / 860 W
Dimensions H x W x D (height x width x depth)	950 x 400 x 195 mm	1050 x 400 x 195 mm
FLA Full Load Amperes	3,7 / 4,1 A	2,1 / 2,4 A
Starting current	20 A	13 A
Suggested protective and security device: fuse T	8 A	4 A
Absorption L35L35	490 / 570 W	
Absorption L35L50	540 / 650 W	
Temperature regulating range (factory set)	from 30° C to 40° C	
Operating temperature (Environment)	from + 20° C to + 50° C	
Protection degree of enclosure facing side	IP 54	
Noise level	69 dB (A)	
Weight	38 kg	47 kg
Coolant type	R134a	
Operating cycle type	100%	
Approvals	CE EAC	

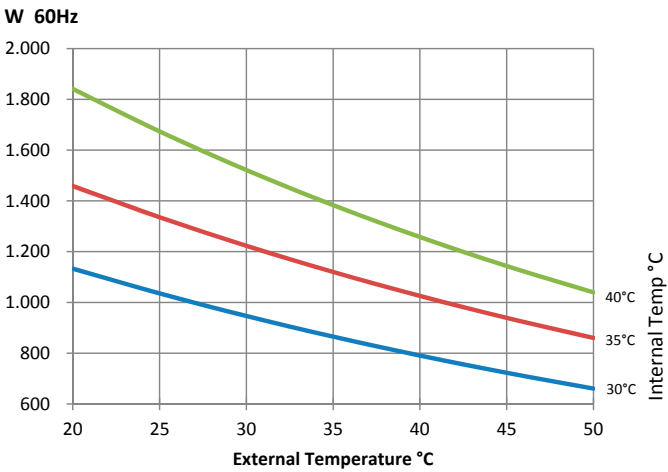
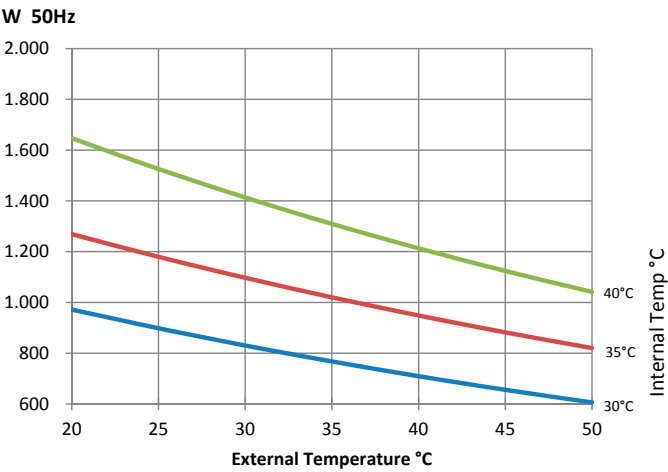
Optional:

Non-standard color = R9KLMxxxxxLMB (Required RAL code is to be specified)

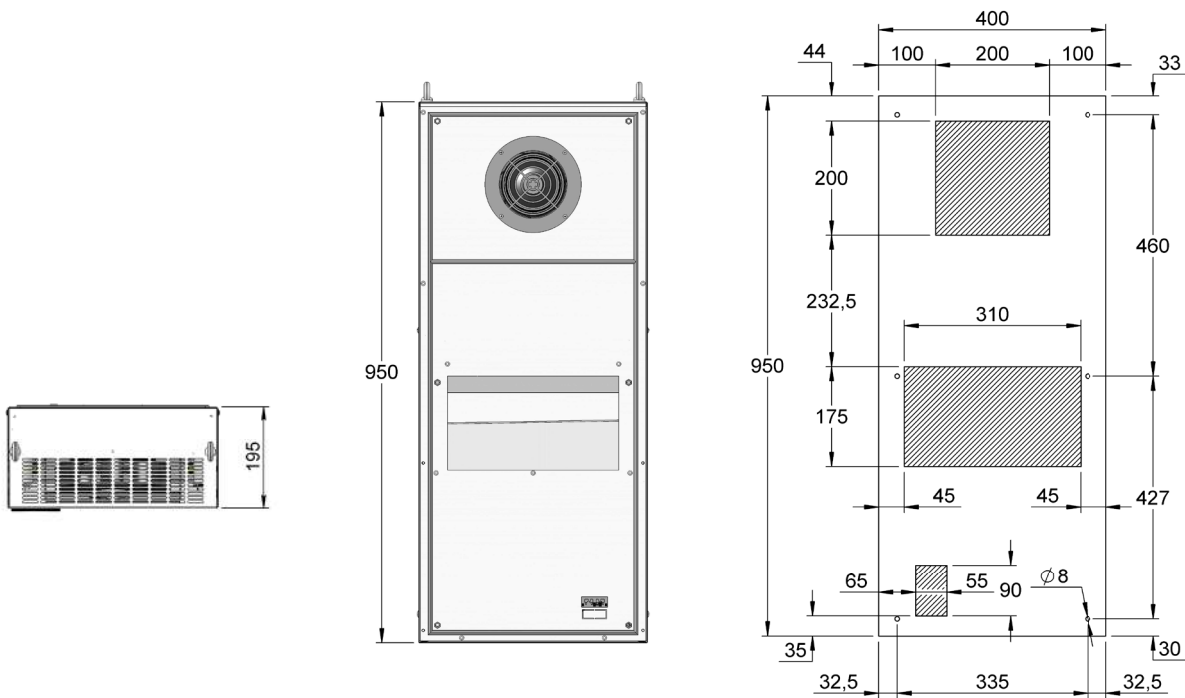
AISI INOX 304 = RIKLMxxxxxLMB

AISI INOX 316 = R6KLMxxxxxLMB

Refrigeration power



Dimensions and mounting cut-outs (mm)



Wall mount coolers 1500 W



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◇ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM...								
	..15021LB	..15021LT	..15042LB	..15042LT	..15043LB	..15043LT	..15011LU	..15021LU	..15042LU
Version	BASE	TOP	BASE	TOP	BASE	TOP	UL	UL	UL
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph	400 Vac - 2 ph	400 Vac - 2 ph	400 / 440 Vac - 3 ph	400 / 440 Vac - 3 ph	115 Vac - 1 ph	230 Vac - 1 ph	460 Vac - 2 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/ L35 as per DIN 3168	1420 / 1560 W	1420 / 1560 W	1420 / 1560 W	1420 / 1560 W	1480 / 1620 W	1480 / 1620 W	1420 / 1560 W	1420 / 1560 W	1420 / 1560 W
Refrigerating power L35/ L50 as per DIN 3168	1140 / 1190 W	1140 / 1190 W	1140 / 1190 W	1140 / 1190 W	1180 / 1230 W	1180 / 1230 W	1140 / 1190 W	1140 / 1190 W	1140 / 1190 W
Dimensions H x W x D (height x width x depth)	950 x 400 x 237	950 x 400 x 237	1050 x 400 x 245	1050 x 400 x 245	1050 x 400 x 245	1050 x 400 x 245	1050 x 400 x 237	950 x 400 x 237	1050 x 400 x 237
FLA Full Load Amperes	5,2 / 5,8 A	5,2 / 5,8 A	3 / 3,3 A	3 / 3,3 A	2 / 2,1 A	2 / 2,1 A	11 / 13 A	5,5 / 6,1 A	2,9 / 3,1 A
Starting current	24 A	24 A	16 A	16 A	11 A	11 A	48 A	24 A	16 A
Suggested protective and security device: fuse T	8 A	8 A	5 A	5 A	4 A	4 A	20 A	10 A	10 A
Absorption L35L35	660 / 760 W	660 / 760 W	660 / 760 W	660 / 760 W	690 / 780 W	690 / 780 W	680 / 780 W	680 / 780 W	690 / 790 W
Absorption L35L50	760 / 920 W	760 / 920 W	760 / 920 W	760 / 920 W	780 / 940 W	780 / 940 W	780 / 940 W	780 / 940 W	790 / 950 W
Temperature regulating range (factory set)	from +30°C to +40°C								
Operating temperature (Environment)	from +20°C to +50°C						from +20°C to +55°C		
Protection degree of enclosure facing side	IP 54								
Noise level	67 dB (A)								
Weight	40 kg	40 kg	48 kg	48 kg	50 kg	50 kg	48 kg	41 kg	50 kg
Coolant type	R134a								
Operating cycle type	100%								
Approvals	CE ENEC						CE eRU RU		

Optional:

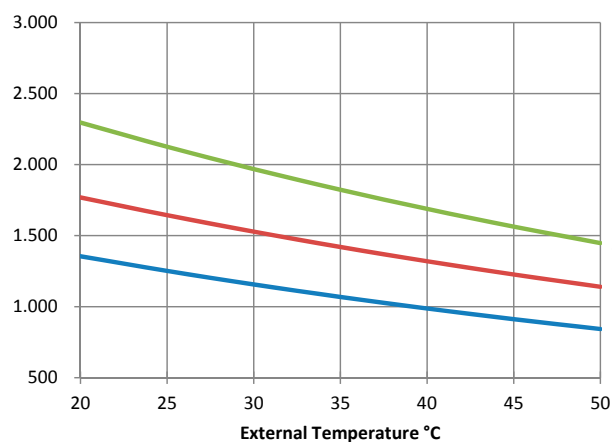
Non-standard color = R9KLMxxxxxLB/T/U (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxLB/T/U

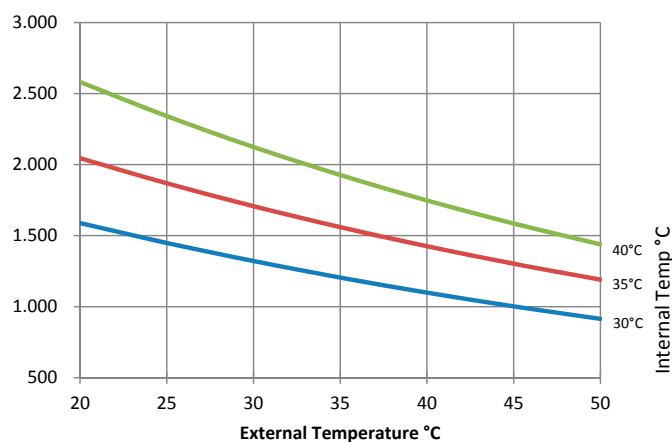
AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power

W 50Hz

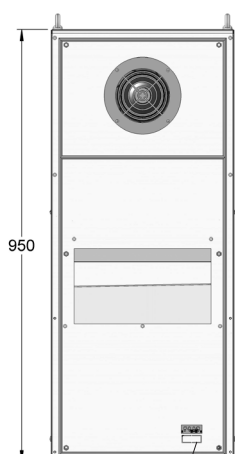
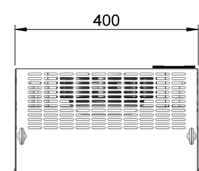


W 60Hz

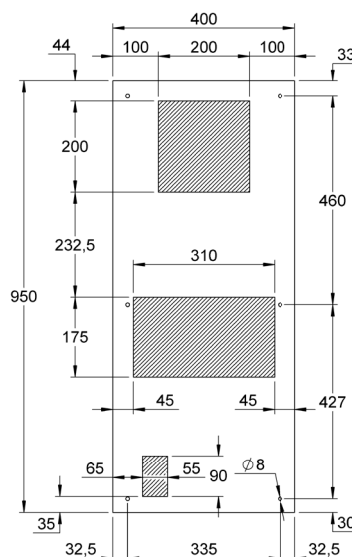


Dimensions and mounting cut-outs (mm)

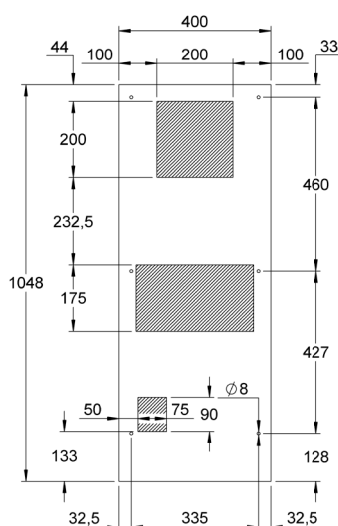
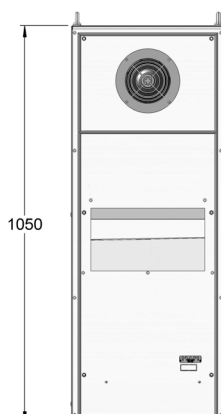
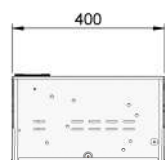
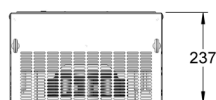
R5KLM15021/LB/T/U



Only for TOP version



R5KLM15042/11/LB/T/U



Wall mount coolers 2000 W



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◇ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM...								
	..20021LB	..20021LT	..20042LB	..20042LT	..20043LB	..20043LT	..20011LU	..20021LU	..20042LU
Version	BASE	TOP	BASE	TOP	BASE	TOP	UL	UL	UL
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph	400 Vac - 2 ph	400 Vac - 2 ph	400 / 440 Vac - 3 ph	400 / 440 Vac - 3 ph	115 Vac - 1 ph	230 Vac - 1 ph	460 Vac - 2 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	60 Hz	60 Hz	60 Hz
Refrigerating power L35/ L35 as per DIN 3168	1960 / 2150 W	1960 / 2150 W	1960 / 2150 W	1960 / 2150 W	1830 / 2000 W	1830 / 2000 W	2150 W	2150 W	2150 W
Refrigerating power L35/ L50 as per DIN 3168	1570 / 1640 W	1570 / 1640 W	1570 / 1640 W	1570 / 1640 W	1460 / 1530 W	1460 / 1530 W	1640 W	1640 W	1640 W
Dimensions H x W x D (height x width x depth)	950 x 400 x 237 mm	950 x 400 x 237 mm	1050 x 400 x 237 mm	1050 x 400 x 237 mm	1050 x 400 x 237 mm	1050 x 400 x 237 mm	1050 x 400 x 237 mm	950 x 400 x 237 mm	1050 x 400 x 237 mm
FLA Full Load Amperes	6 / 6,6 A	6 / 6,6 A	3,4 / 3,8 A	3,4 / 3,8 A	2,3 / 2,6 A	2,3 / 2,6 A	14 A	6,6 A	3,4 A
Starting current	26 A	26 A	17 A	17 A	10 A	10 A	50 A	26 A	17 A
Suggested protective and security device: fuse T	12 A	12 A	6 A	6 A	4 A	4 A	25 A	12 A	10 A
Absorption L35L35	930 / 1070 W	930 / 1070 W	930 / 1070 W	930 / 1070 W	900 / 1040 W	900 / 1040 W	1090 W	1070 W	1090 W
Absorption L35L50	1080 / 1300 W	1080 / 1300 W	1080 / 1300 W	1080 / 1300 W	1030 / 1250 W	1030 / 1250 W	1320 W	1300 W	1320 W
Temperature regulating range (factory set)	from +30°C to +40°C								
Operating temperature (Environment)	from +20°C to +50°C						from +20°C to +55°C		
Protection degree of enclosure facing side	IP 54								
Noise level	67 dB (A)								
Weight	46 kg	46 kg	56 kg	56 kg	53 kg	53 kg	58 kg	47 kg	58 kg
Coolant type	R134a								
Operating cycle type	100%								
Approvals	CE EAC						CE cRU RU		

Optional:

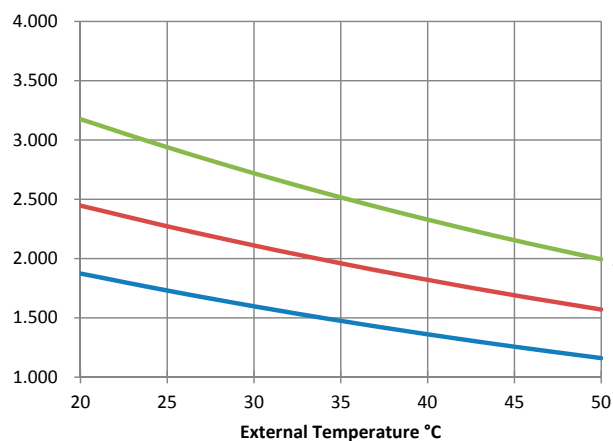
Non-standard color = R9KLMxxxxxLB/T/U (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxLB/T/U

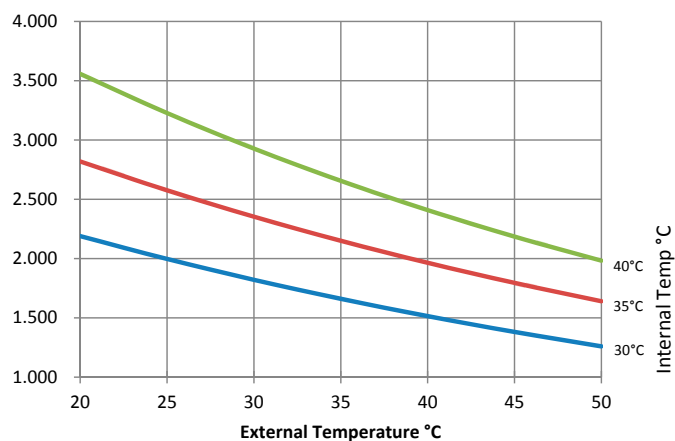
AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power

W 50Hz

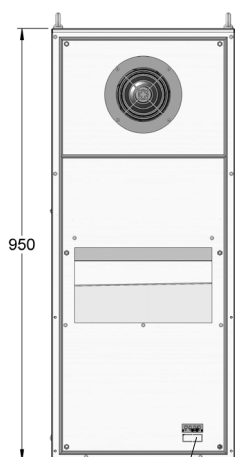
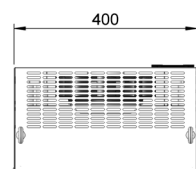


W 60Hz

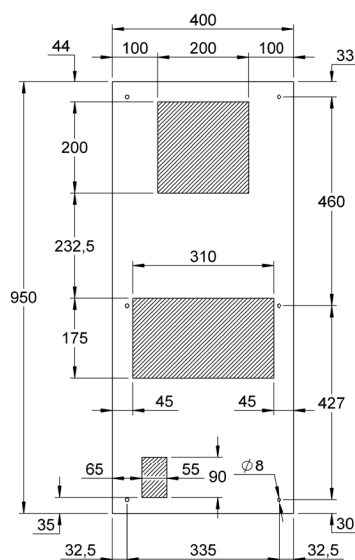


Dimensions and mounting cut-outs (mm)

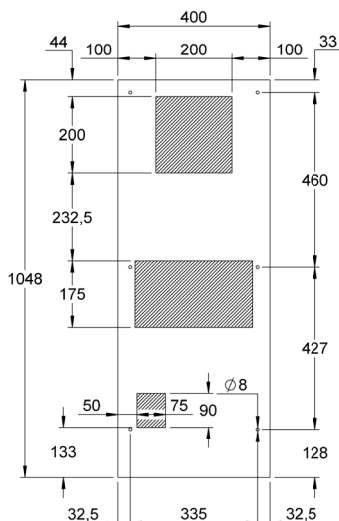
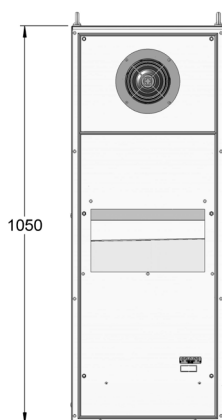
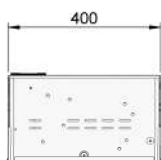
R5KLM20021/LB/T/U



Only for TOP version



R5KLM20042/11/LB/T/U



Wall mount coolers 3000 W



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◇ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM30043LB	R5KLM30043LT	R5KLM30043LU
Version	BASE	TOP	UL
Supply voltage	400 / 460 Vac - 3 ph	400 / 460 Vac - 3 ph	460 Vac - 3 ph
Frequency	50 / 60 Hz	50 / 60 Hz	60 Hz
Refrigerating power L35/L35 as per DIN 3168	2800 / 3080 W	2800 / 3080 W	3080 W
Refrigerating power L35/L50 as per DIN 3168	2240 / 2350 W	2240 / 2350 W	2350 W
Dimensions H x W x D (height x width x depth)	1100 x 500 x 345 mm	1100 x 500 x 345 mm	1100 x 500 x 345 mm
FLA Full Load Amperes	2,6 / 2,9 A	2,6 / 2,9 A	3 A
Starting current	12 A	12 A	12 A
Suggested protective and security device: fuse T	8 A	8 A	8 A
Absorption L35L35	1100 / 1270 W	1100 / 1270 W	1290 W
Absorption L35L50	1260 / 1520 W	1260 / 1520 W	1540 W
Temperature regulating range (factory set)	from +30°C to +40°C		
Operating temperature (Environment)	from +20°C to +50°C		from +20°C to +55°C
Protection degree of enclosure facing side	IP 54		
Noise level	71 dB (A)		
Weight	72 kg		
Coolant type	R134a		
Operating cycle type	100%		
Approvals	CE EAC		CE UL UL

Optional:

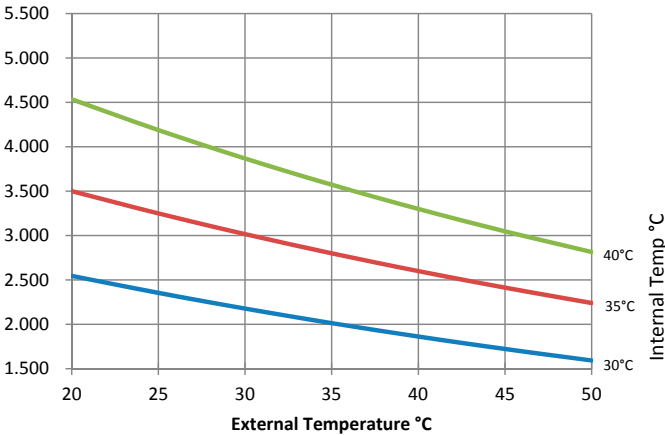
Non-standard color = R9KLMxxxxxLB/T/U (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxLB/T/U

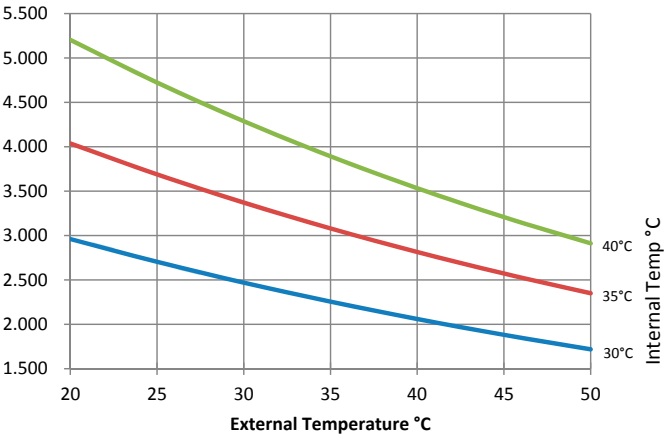
AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power

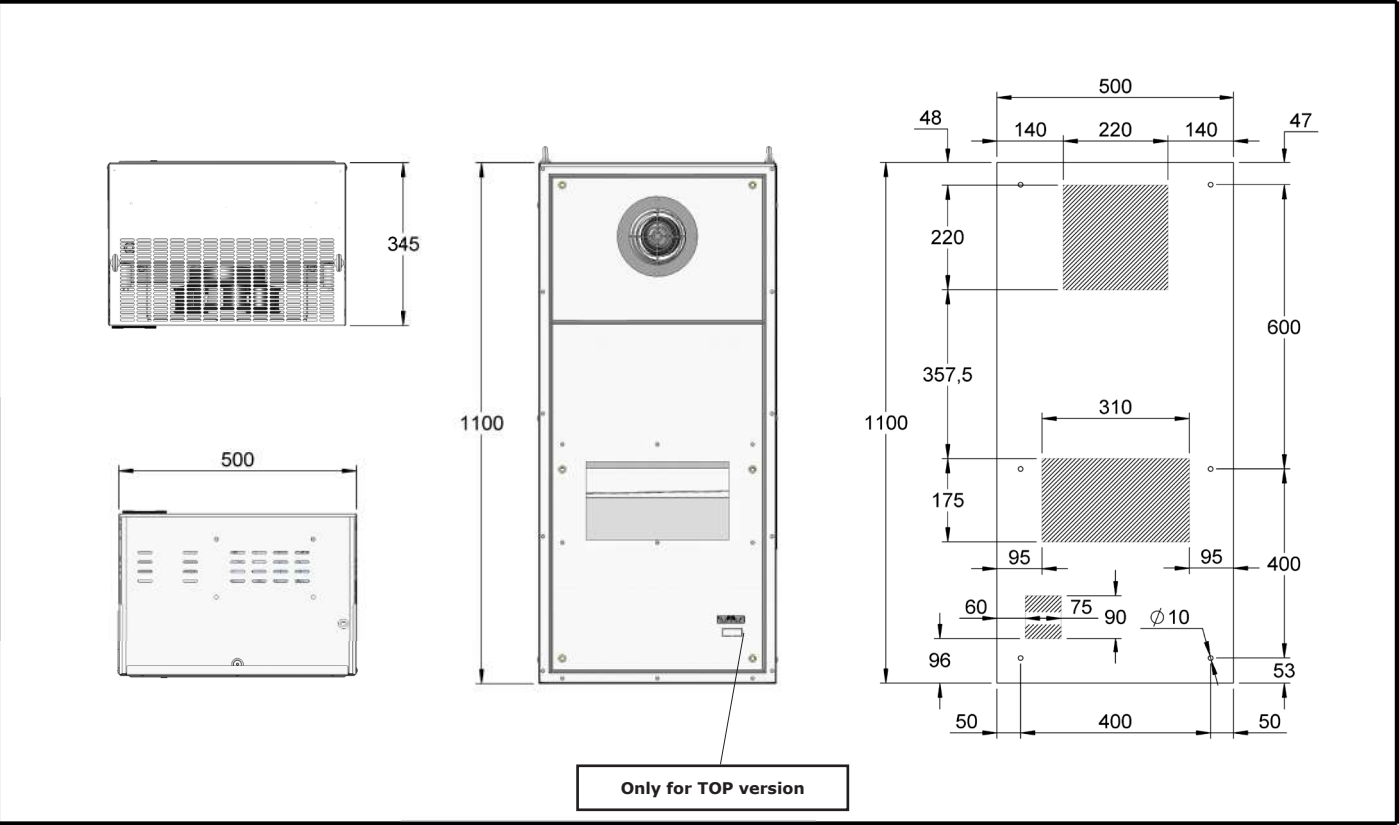
W 50Hz



W 60Hz



Dimensions and mounting cut-outs (mm)



Wall mount coolers 4000 W

RAM-KLIMA



- Standard seal applied to enclosure-facing surface of the coolers of BASE and TOP version.
- Inbuilt condensation sink on TOP versions.
- Standard air filter on BASE and TOP versions.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ BASE - 1 PLUG-IN power supply. Visual alarm of minimum/maximum temperature. Modifiable intervention set.
 - ◇ TOP - 2 PLUG-IN power supply connectors. Over temperature alarm control by means of a terminal board. Remote ON/OFF (door contact switch). RS485 serial interface for remote control (to be requested in order phase).
- Special voltage upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.
- UL versions: not supplied configuration TOP grille / filter.
- All UL versions with supply voltages of 460 Vac can be supplied with voltage 480 Vac. Request in order phase.

	R5KLM40043LB	R5KLM40043LT	R5KLM40043LU
Version	BASE	TOP	UL
Supply voltage	400 / 460 Vac - 3 ph	400 / 460 Vac - 3 ph	460 Vac - 3 ph
Frequency	50 / 60 Hz	50 / 60 Hz	60 Hz
Refrigerating power L35/L35 as per DIN 3168	4000 / 4200 W	4000 / 4200 W	4200 W
Refrigerating power L35/L50 as per DIN 3168	3000 / 3150 W	3000 / 3150 W	3150 W
Dimensions H x W x D (height x width x depth)	1100 x 500 x 345 mm	1100 x 500 x 345 mm	1100 x 500 x 345 mm
FLA Full Load Amperes	3,3 / 3,7 A	3,3 / 3,7 A	3,5 / 3,9 A
Starting current	15 A	15 A	15 A
Suggested protective and security device: fuse T	8 A	8 A	8 A
Absorption L35L35	1800 / 2000 W	1800 / 2000 W	2100 W
Absorption L35L50	2120 / 2500 W	2120 / 2500 W	2600 W
Temperature regulating range (factory set)	from +30°C to +40°C		
Operating temperature (Environment)	from +20°C to +50°C		from +20°C to +55°C
Protection degree of enclosure facing side	IP 54		
Noise level	72 dB (A)		
Weight	75 kg		78 kg
Coolant type	R134a		
Operating cycle type	100%		
Approvals	CE EAC		CE UL

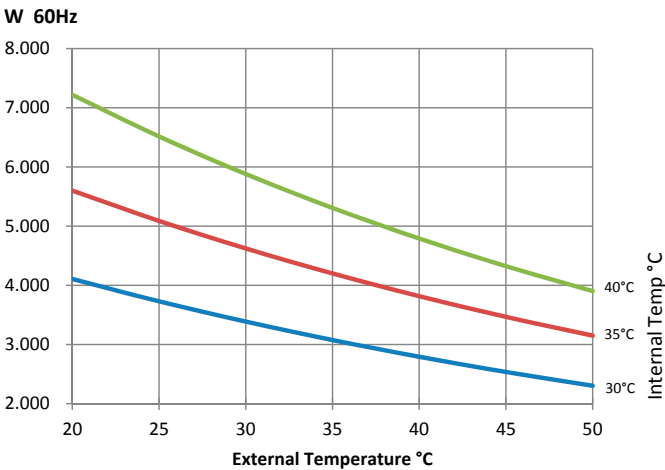
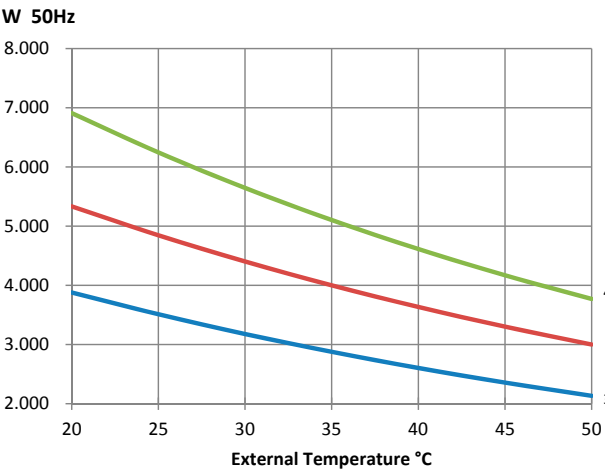
Optional:

Non-standard color = R9KLMxxxxxLB/T/U (Required RAL code is to be specified)

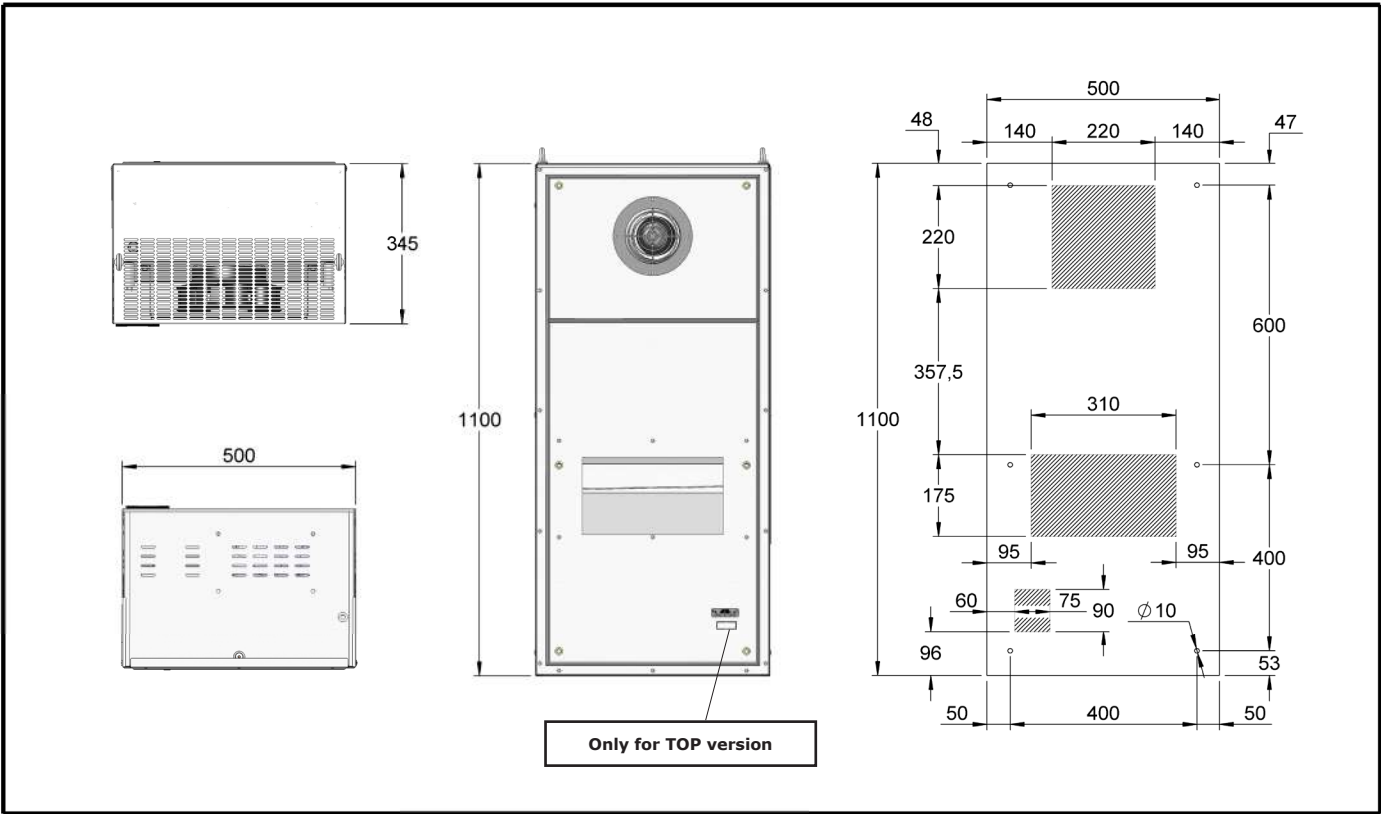
AISI INOX 304 = RIKLMxxxxxLB/T/U

AISI INOX 316 = R6KLMxxxxxLB/T/U

Refrigeration power



Dimensions and mounting cut-outs (mm)



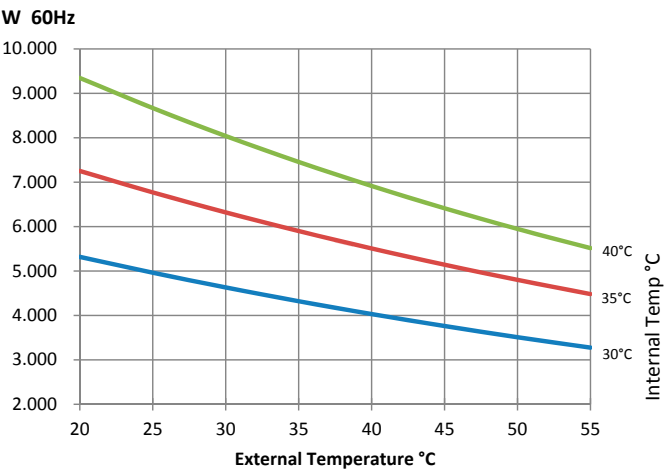
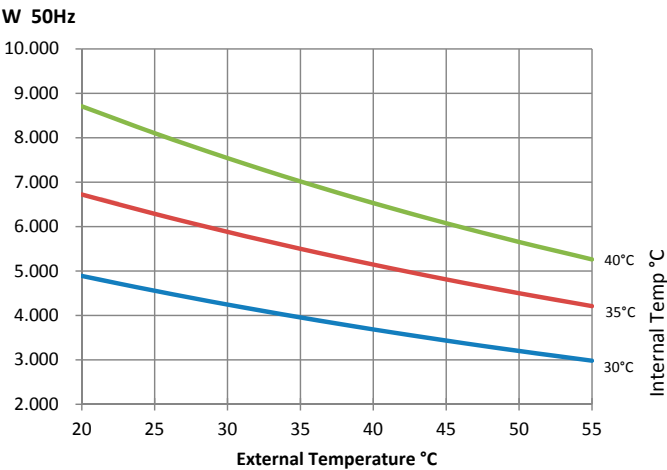
Wall mount coolers 6000 W - 400 Vac



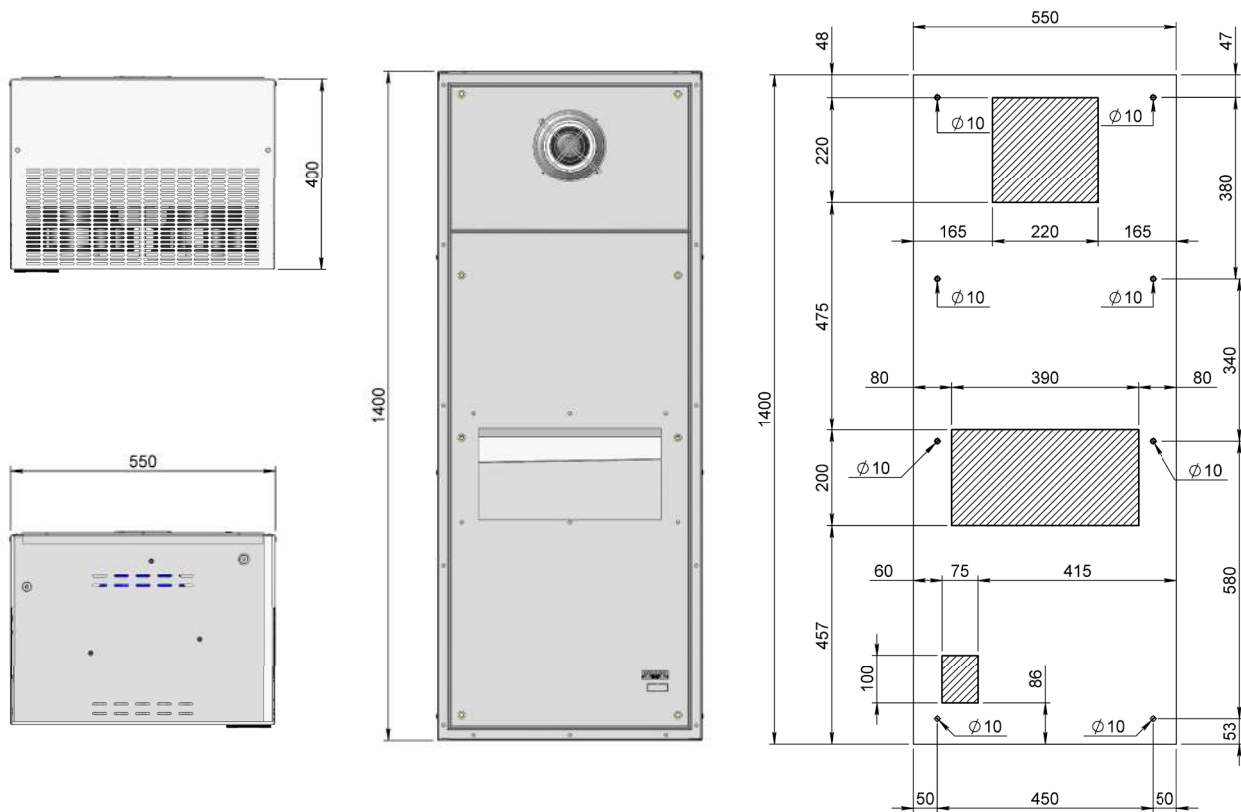
- Polyurethane gasket machinery applied
- Inbuilt condensation sink.
- Textured RAL 7035 standard color.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◇ 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board.
- Standard air filter.

	R5KLM60043LT
Supply voltage	400 Vac - 3 ph 50 hz / 460 Vac - 3 ph 60 hz
Frequency	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	5500 / 5900 W
Refrigerating power L35/L50 as per DIN 3168	4500 / 4800 W
Dimensions H x W x D (height x width x depth)	1400 x 550 x 400 mm
FLA Full Load Amperes	4,4 / 5,6 A
Starting current	30 A
Suggested protective and security device: fuse T	10 A
Absorption L35L35	2300 / 3200 W
Absorption L35L50	2600 / 3500 W
Temperature regulating range (factory set)	from 30° C to 40° C
Operating temperature (Environment)	from + 20° C to + 55° C
Protection degree of enclosure facing side	IP 54
Noise level	75 dB (A)
Weight	95 kg
Coolant type	R134a
Operating cycle type	100%
Approvals	CE ENEC

Refrigeration power



Dimensions and mounting cut-outs (mm)



Wall mount outdoor coolers



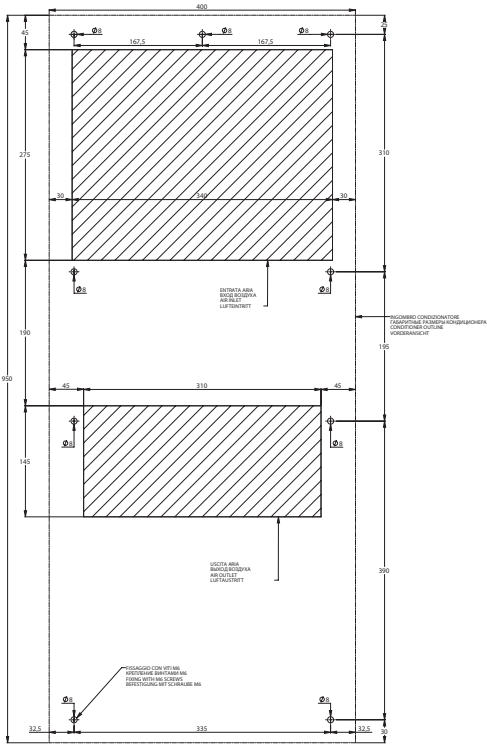
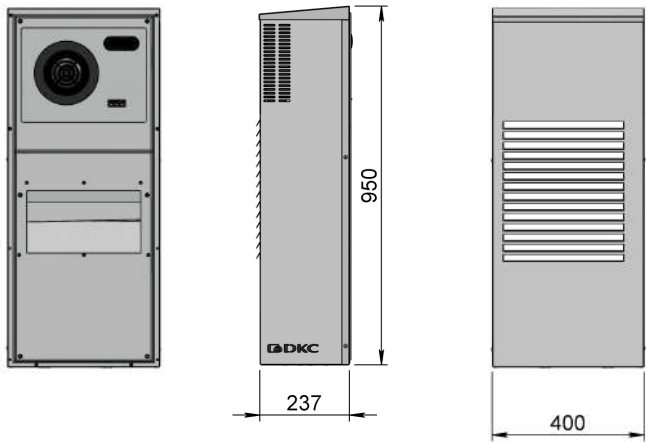
Suitable to cool the control panels located outdoors, they can also be used in indoor applications particularly severe, such as food processing plants, iron and steel or pharmaceuticals. The air conditioners are designed to easily support sudden and huge jets of water and dust, ensuring its voperations in a wide range of temperatures (-20°C / +55°C). The system of two-component seal, already known in the range of standard air conditioners, is also replicated on this new product line, ensuring a good seal to the electrical board.

Main characteristics:

- Cooling capacity: from 1000W to 2000W (shortly availables from 500W to 4000W)
- Two-component seal placed automatically
- Electronic display with alarm control
- Available voltage: 230 Vac e 48 Vdc
- Available versions for the fonctioning at 60° C

	ROKLM10021L	ROKLM15021L	ROKLM20021L
Supply voltage	230 Vac - 1 ph		
Frequency	50 / 60 Hz		
Refrigerating power L35/L35 as per DIN 3168	1020 / 1120 W	1420/1560 W	1960/2150 W
Refrigerating power L35/L50 as per DIN 3168	820 / 860 W	1140 / 1190W	1570 / 1640W
Dimensions H x W x D (height x width x depth)	950 x 400 x 237 mm		
FLA Full Load Amperes	3,7 / 4,1 A	5,2/5,8	6,0/6,6
Starting current	20 A	24 A	26 A
Suggested protective and security device: fuse T	8 A	8 A	12 A
Absorption L35L35	490 / 570 W	660 / 760 W	930 / 1070 W
Absorption L35L50	540 / 650 W	760 / 920 W	1080 / 1300 W
Temperature regulating range (factory set)	from 30° C to 40° C		
Operating temperature (Environment)	from - 20° C to + 55° C		
Protection degree of enclosure facing side	IP 55		
Noise level	69 dB (A)		
Weight	40 kg	41 kg	46 kg
Coolant type	R134a		
Operating cycle type	100%		
Approvals	CE EAC		

Dimensions and mounting cut-outs (mm)



RAM-KLIMA



Roof mount coolers indoor



Roof mount coolers "RAMKLIMA" are particularly suitable for bayed enclosures cooling and for all those applications, where the space at the sides of an electrical board is particularly reduced.

All the models are equipped with a digital thermostat, a display indicating low and high internal temperature values, a compressor delay, remote on/off, a contact for micro door switch and serial control for remote monitoring.

The roof mount version also includes a condensate dissipating device with a special safety unit, which stops the device in case of a condensate drain failure.

During the whole engineering phase a particular attention has been focused on the following:

- the internal ventilation circuit has been created maintaining a considerable distance between the air suction and discharge units, providing a homogeneous and efficient cooling, consequently avoiding thermal short circuits inside the enclosure
- the external ventilation circuit has been created optimizing the Refrigeration power (ambient), allowing a side by side installation of several coolers, keeping unchanged the coolers performance, avoiding the hot air retrieval.

Roof mount coolers "RAMKLIMA" represent the best solution as regards the quality, reliability and completeness in terms of interface and settings.

As in case of BASE and TOP wall mount versions the inlet air filter is provided as standard equipment on all the devices and is customizable upon request.

Non-standard voltage and frequency versions are available upon request

MAIN ADVANTAGES

Seal

- polyurethane seal applied by continuous molding as standard on all the units contributing to a considerable installation time saving.

Filter grid

- provided with the innovating *click&go* fixing system simplifying service activities
- customizable both in terms of color and logo

Mounting cutouts

- possibility to install coolers of different power using the same mounting cutout.

Metallic filter

- optional, to be used in particularly harsh environments (presence of oils and particularly aggressive substances).

Stainless steel cover

- Covers of AISI 304 or AISI 316L stainless steel are available for food industry environments or wherever high hygiene standards are required

Condensation sink

- standard inbuilt for the whole range, complete with a safety unit blocking the device in case of condensate drain failure

Lifting eyebolts

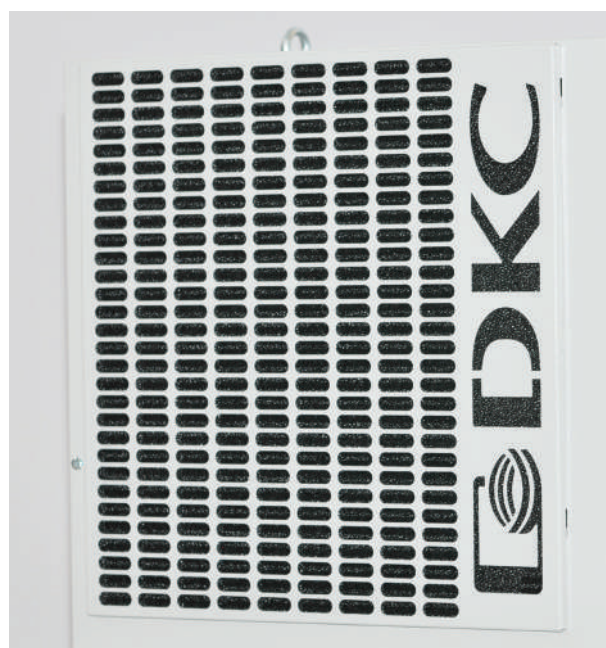
- provided with all the version in order to facilitate installation activities

Easy maintenance

- by virtue of the accessibility to components with no necessity of particular disassembly operations

Service

- purposed to guarantee a prompt assistance and continuous support over time.



Roof mount version

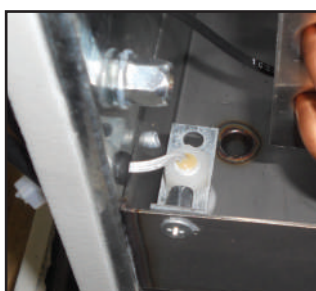


Digital thermostat

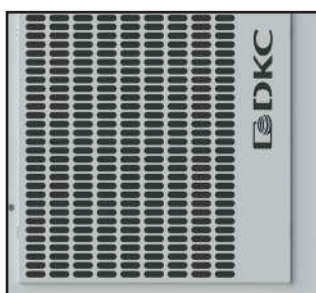
Remote on/off alarm management (door micro switch)
Condensation level alarm
Overtemperature alarm
RS485 serial interface for remote control of up to 32 units (on request).



Polyurethane gasket machinery applied



Double condensation sink.
Triple control and management system for condensation.



Standard air filter

ROOF

Conformity and Approvals



Protection degree

- IP 54 enclosure side and IP 34 external side as per EN 60529 standard

Roof mount coolers 500 W



- Polyurethane gasket machinery applied
- Inbuilt condensation sink with a particular safety unit blocking the device in case of a condensate drain failure.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of FROR cables:
 - ◇ TOP - Overtemperature alarm, door contact and condensation level alarm. RS485 serial interface for remote control (on demand).
- Versions with non-standard supply voltage are available upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM05021RT	R5KLM05042RT
Version	TOP	TOP
Supply voltage	230 Vac - 1 ph	400 Vac - 2 ph
Frequency	50 / 60 Hz	
Refrigerating power L35/L35 as per DIN 3168	530 / 560 W	520 / 550 W
Refrigerating power L35/L50 as per DIN 3168	410 / 430 W	400 / 420 W
Dimensions H x W x D (height x width x depth)	310 x 570 x 300 mm	
FLA Full Load Amperes	2,0 / 2,2 A	1,2 / 1,3 A
Starting current	11 A	7 A
Suggested protective and security device: fuse T	6 A	4 A
Absorption L35L35	280 / 330 W	
Absorption L35L50	320 / 390 W	
Temperature regulating range (factory set)	from 30° C to 40° C	
Operating temperature (Environment)	from + 20° C to + 50° C	
Protection degree of enclosure facing side	IP 54	
Noise level	67 dB (A)	
Weight	22 kg	23 kg
Coolant type	R134a	
Operating cycle type	100%	
Approvals	CE ENEC	

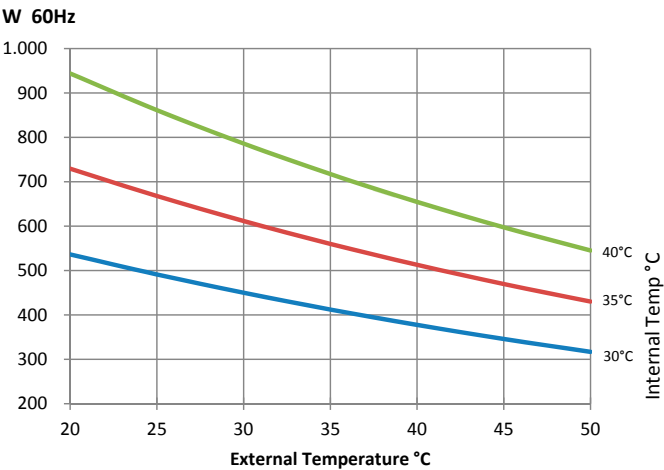
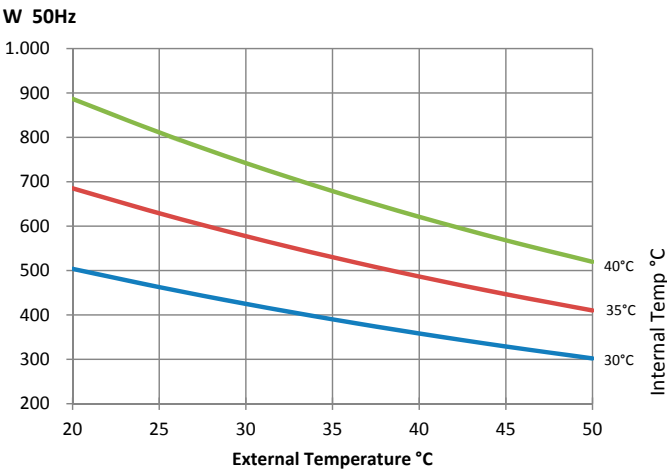
Optional:

Non-standard color = R9KLMxxxxxRT (Required RAL code is to be specified)

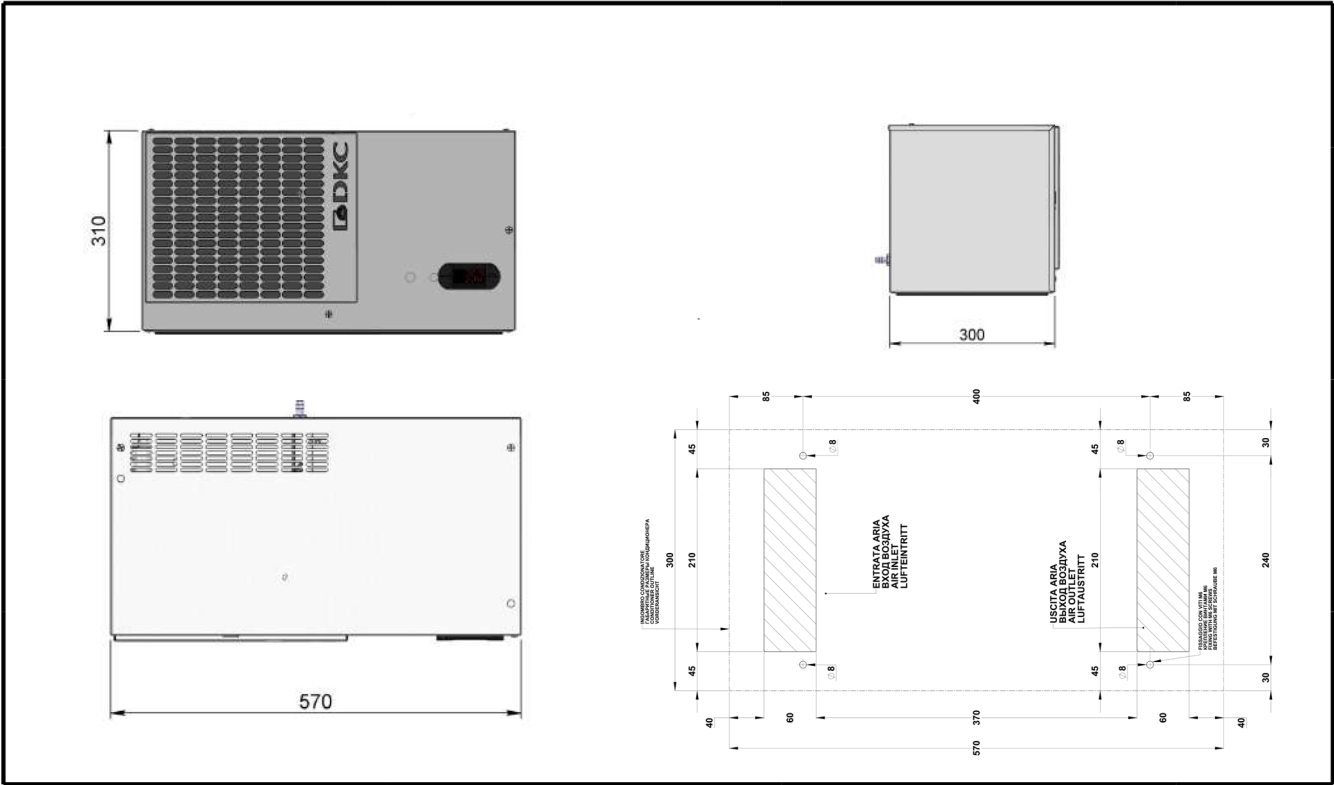
AISI INOX 304 = RIKLMxxxxxRT

AISI INOX 316 = R6KLMxxxxxRT

Refrigeration power



Dimensions and mounting cut-outs (mm)



Roof mount coolers 800 W



- Polyurethane gasket machinery applied
- Inbuilt condensation sink with a particular safety unit blocking the device in case of a condensate drain failure.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of FROR cables:
 - ◊ TOP - Overtemperature alarm, door contact and condensation level alarm. RS485 serial interface for remote control (on demand).
- Versions with non-standard supply voltage are available upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM08021RT	R5KLM08042RT
Version	TOP	TOP
Supply voltage	230 Vac - 1 ph	400 Vac - 2 ph
Frequency	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	860 / 940 W	830 / 900 W
Refrigerating power L35/L50 as per DIN 3168	690 / 720 W	650 / 690 W
Dimensions H x W x D (height x width x depth)	310 x 600 x 400 mm	310 x 600 x 400 mm
FLA Full Load Amperes	2,9 / 3,2 A	1,7 / 1,9 A
Starting current	17 A	9 A
Suggested protective and security device: fuse T	6 A	4 A
Absorption L35L35	400 / 460 W	
Absorption L35L50	450 / 540 W	
Temperature regulating range (factory set)	from 30° C to 40° C	
Operating temperature (Environment)	from + 20° C to + 50° C	
Protection degree of enclosure facing side	IP 54	
Noise level	69 dB (A)	
Weight	43 kg	45 kg
Coolant type	R134a	
Operating cycle type	100%	
Approvals	CE EAC	

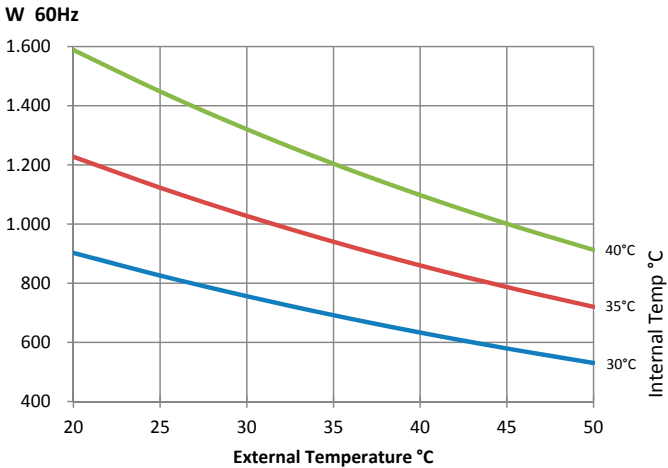
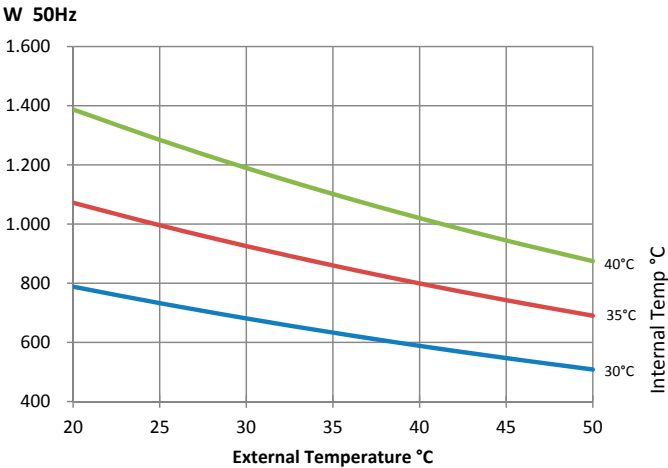
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Non-standard color = R9KLMxxxxRT (Required RAL code is to be specified)

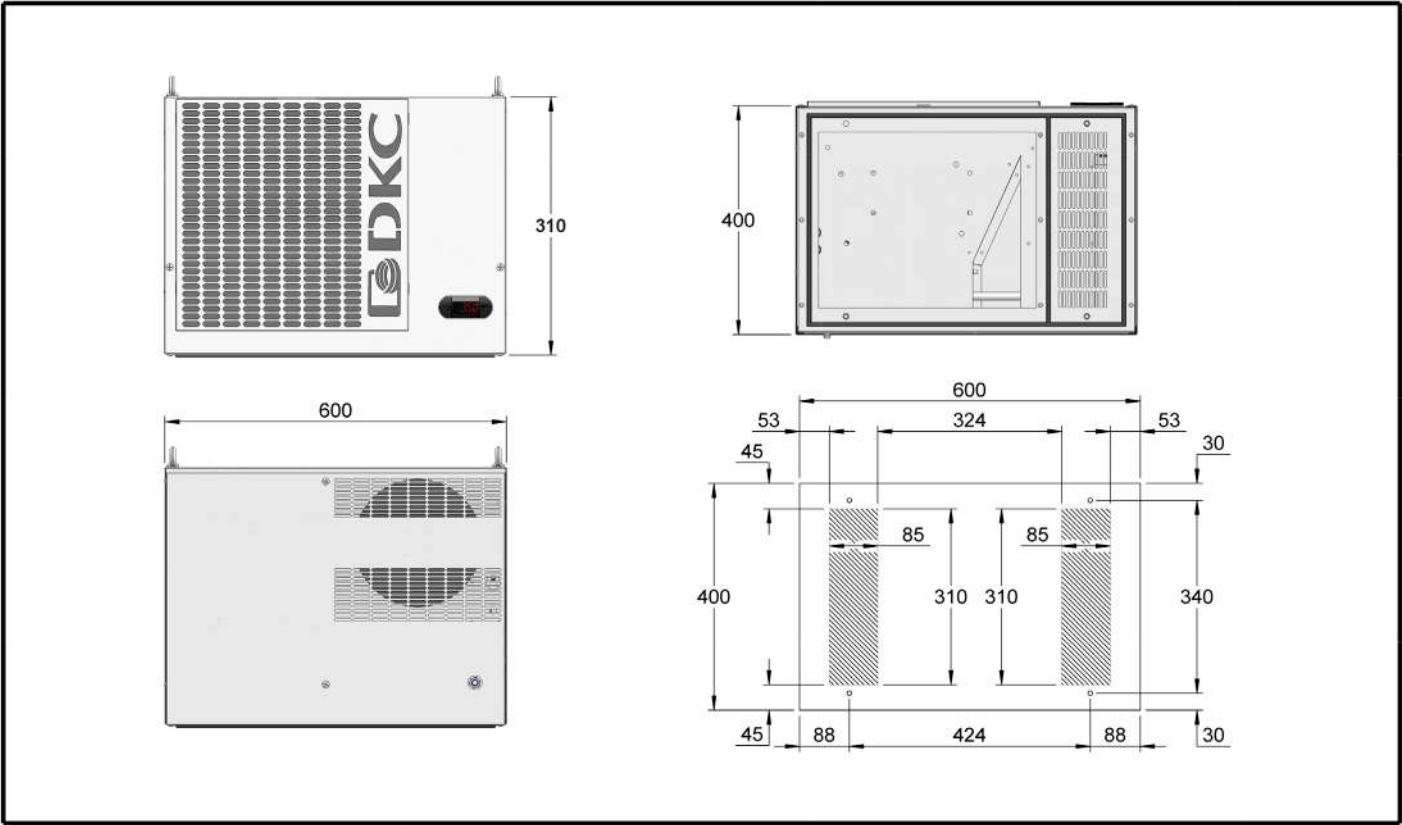
AISI INOX 304 = RIKLMxxxxRT lor

AISI INOX 316 = R6KLMxxxxRT

Refrigeration power



Dimensions and mounting cut-outs (mm)



Roof mount coolers 1000 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation sink with a particular safety unit blocking the device in case of a condensate drain failure.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of FROR cables:
 - ◇ TOP - Overtemperature alarm, door contact and condensation level alarm. RS485 serial interface for remote control (on demand).
- Versions with non-standard supply voltage are available upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM10021RT	R5KLM10042RT
Version	TOP	TOP
Supply voltage	230 Vac - 1 ph	400 Vac - 2 ph
Frequency	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	1020 / 1120 W	1020 / 1120 W
Refrigerating power L35/L50 as per DIN 3168	820 / 860 W	820 / 860 W
Dimensions H x W x D (height x width x depth)	400 x 600 x 310 mm	
FLA Full Load Amperes	3,7 / 4,1 A	2,1 / 2,4 A
Starting current	20 A	13 A
Suggested protective and security device: fuse T	8 A	4 A
Absorption L35L35	490 / 570 W	490 / 570 W
Absorption L35L50	540 / 650 W	540 / 650 W
Temperature regulating range (factory set)	from +30°C to +40°C	
Operating temperature (Environment)	from +20°C to +50°C	
Protection degree of enclosure facing side	IP 54	
Noise level	69 dB (A)	
Weight	43 kg	48 kg
Coolant type	R134a	
Operating cycle type	100%	
Approvals	CE EAC	

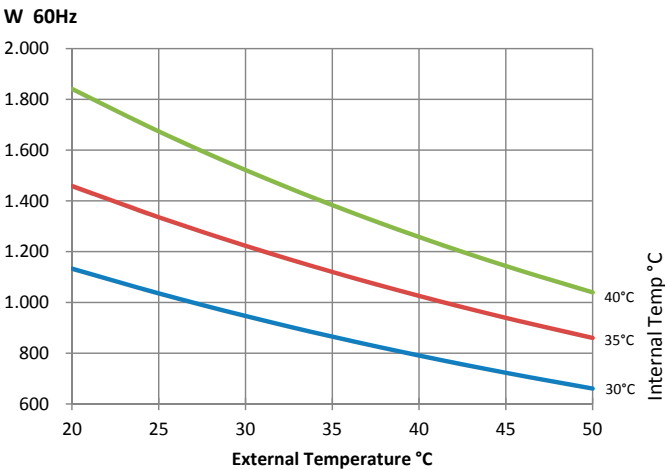
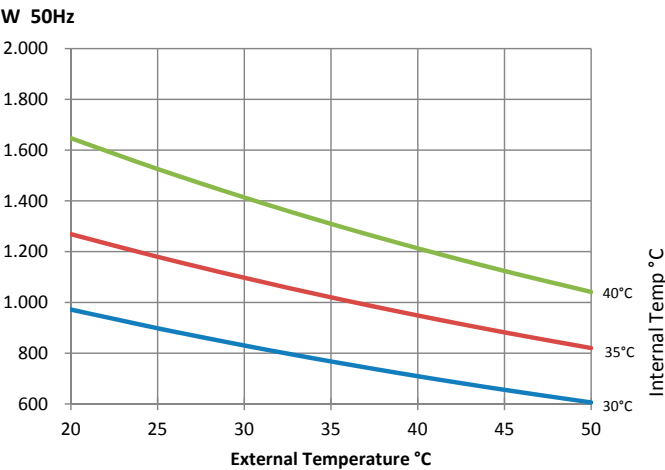
Optional:

Non-standard color = R9KLMxxxxxRT (Required RAL code is to be specified)

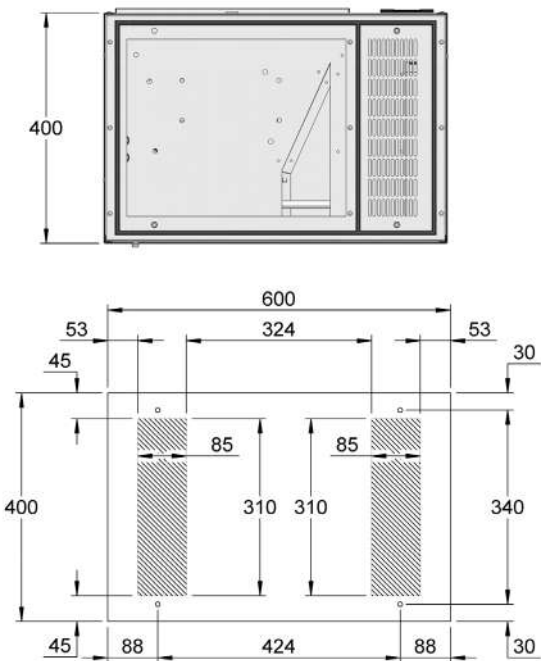
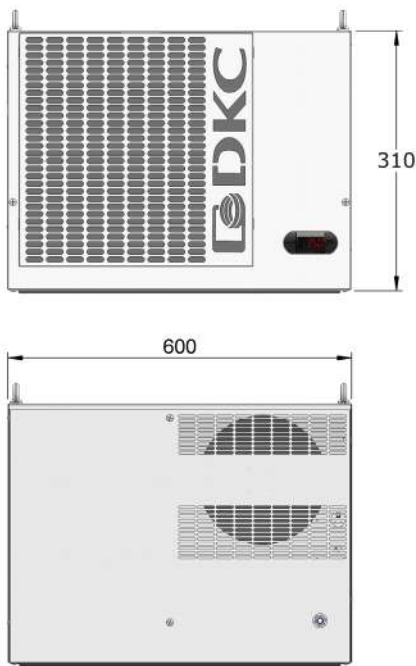
AISI INOX 304 = RIKLMxxxxxRT

AISI INOX 316 = R6KLMxxxxxRT

Refrigeration power



Dimensions and mounting cut-outs (mm)



Roof mount coolers 1500 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation sink with a particular safety unit blocking the device in case of a condensate drain failure.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of FROR cables:
 - ◊ TOP - Overtemperature alarm, door contact and condensation level alarm. RS485 serial interface for remote control (on demand).
- Versions with non-standard supply voltage are available upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM15021RT	R5KLM15042RT	R5KLM15043RT
Version	TOP	TOP	TOP
Supply voltage	230 Vac - 1 ph	400 Vac - 2 ph	400 / 440 Vac - 3 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	1420 / 1560 W	1420 / 1560 W	1480 / 1620 W
Refrigerating power L35/L50 as per DIN 3168	1140 / 1190 W	1140 / 1190 W	1180 / 1230 W
Dimensions H x W x D (height x width x depth)	455 x 600 x 400 mm	455 x 600 x 400 mm	455 x 600 x 400 mm
FLA Full Load Amperes	5,2 / 5,8 A	3 / 3,3 A	2 / 2,1 A
Starting current	24 A	16 A	11 A
Suggested protective and security device: fuse T	8 A	5 A	4 A
Absorption L35L35	660 / 760 W	660 / 760 W	690 / 780 W
Absorption L35L50	760 / 920 W	760 / 920 W	780 / 940 W
Temperature regulating range (factory set)	from +30°C to +40°C		
Operating temperature (Environment)	from +20°C to +50°C		
Protection degree of enclosure facing side	IP 54		
Noise level	69 dB (A)		
Weight	45 kg	51 kg	55 kg
Coolant type	R134a		
Operating cycle type	100%		
Approvals	CE EAC		

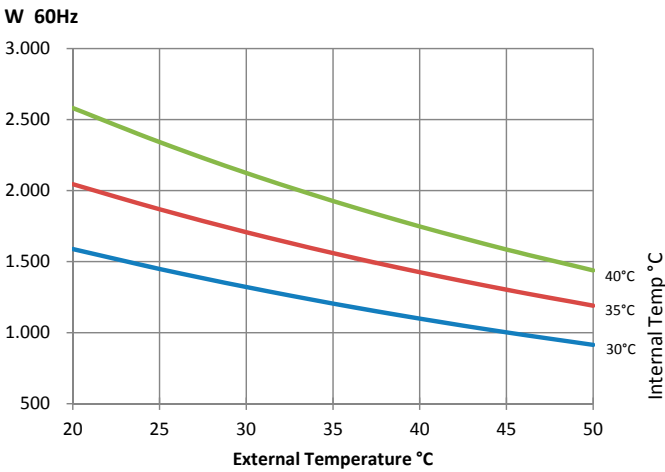
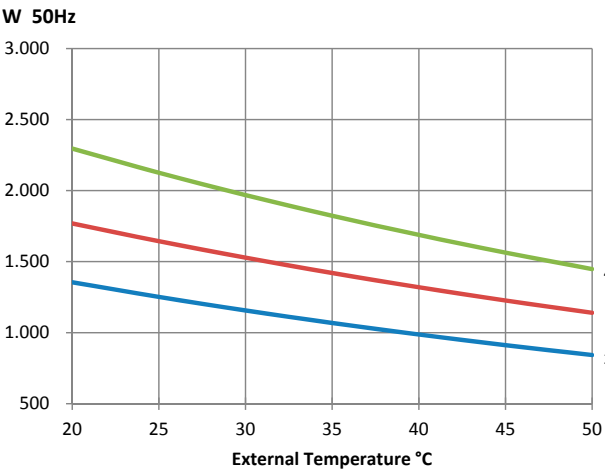
Optional:

Non-standard color = R9KLMxxxxxRT (Required RAL code is to be specified)

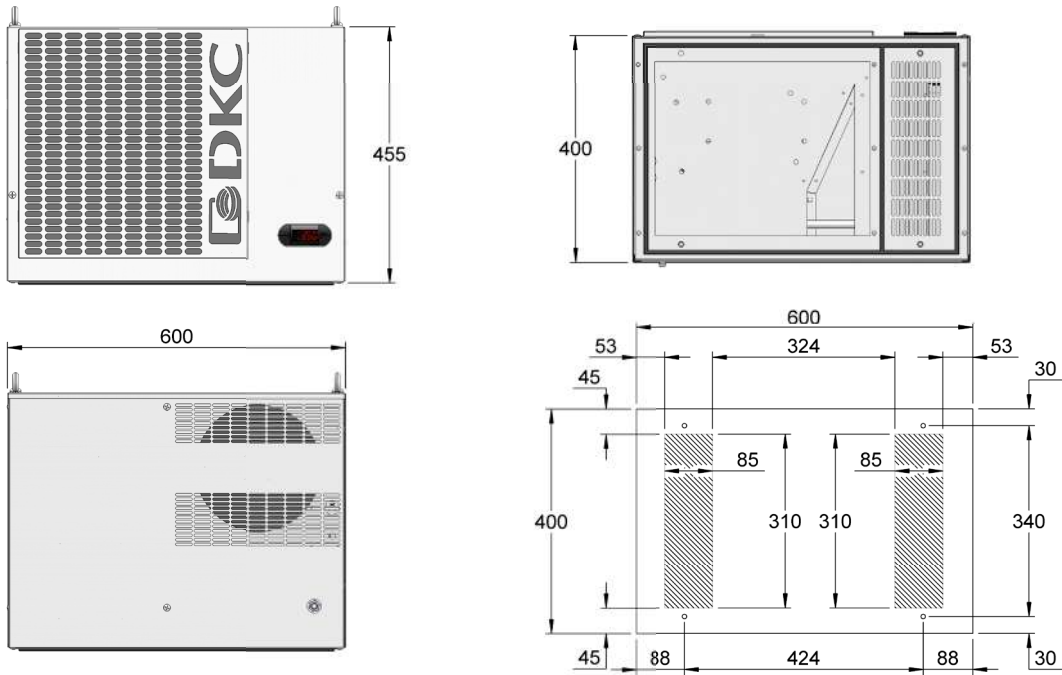
AISI INOX 304 = RIKLMxxxxxRT

AISI INOX 316 = R6KLMxxxxxRT

Refrigeration power



Dimensions and mounting cut-outs (mm)



Roof mount coolers 2000 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation sink with a particular safety unit blocking the device in case of a condensate drain failure.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of FROR cables:
 - ◊ TOP - Overtemperature alarm, door contact and condensation level alarm. RS485 serial interface for remote control (on demand).
- Versions with non-standard supply voltage are available upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM20021RT	R5KLM20042RT	R5KLM20043RT
Version	TOP	TOP	TOP
Supply voltage	230 Vac - 1 ph	400 Vac - 2 ph	400 / 440 Vac - 3 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	1960 / 2150 W	1960 / 2150 W	1830 / 2000 W
Refrigerating power L35/L50 as per DIN 3168	1570 / 1640 W	1570 / 1640 W	1460 / 1530 W
Dimensions H x W x D (height x width x depth)	455 x 600 x 400 mm	455 x 600 x 400 mm	455 x 600 x 400 mm
FLA Full Load Amperes	6 / 6,6 A	3,4 / 3,8 A	2,3 / 2,6 A
Starting current	26 A	17 A	10 A
Suggested protective and security device: fuse T	8 A	6 A	4 A
Absorption L35L35	930 / 1070 W	930 / 1070 W	900 / 1040 W
Absorption L35L50	1080 / 1300 W	1080 / 1300 W	1030 / 1250 W
Temperature regulating range (factory set)	from +30°C to +40°C		
Operating temperature (Environment)	from +20°C to +50°C		
Protection degree of enclosure facing side	IP 54		
Noise level	70 dB (A)		
Weight	51 kg	57 kg	58 kg
Coolant type	R134a		
Operating cycle type	100%		
Approvals	CE EAC		

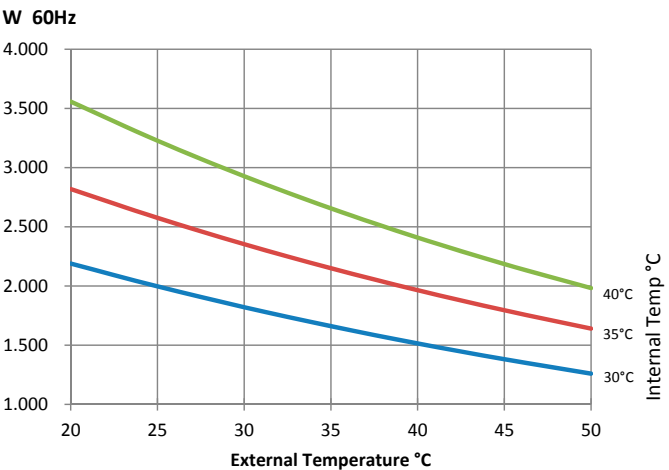
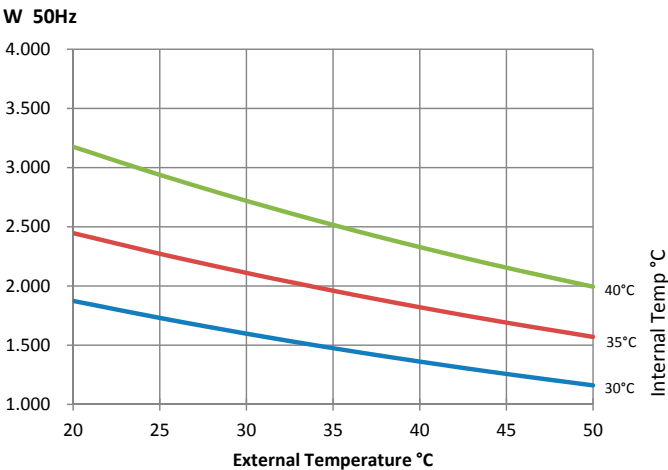
Optional:

Non-standard color = R9KLMxxxxxRT (Required RAL code is to be specified)

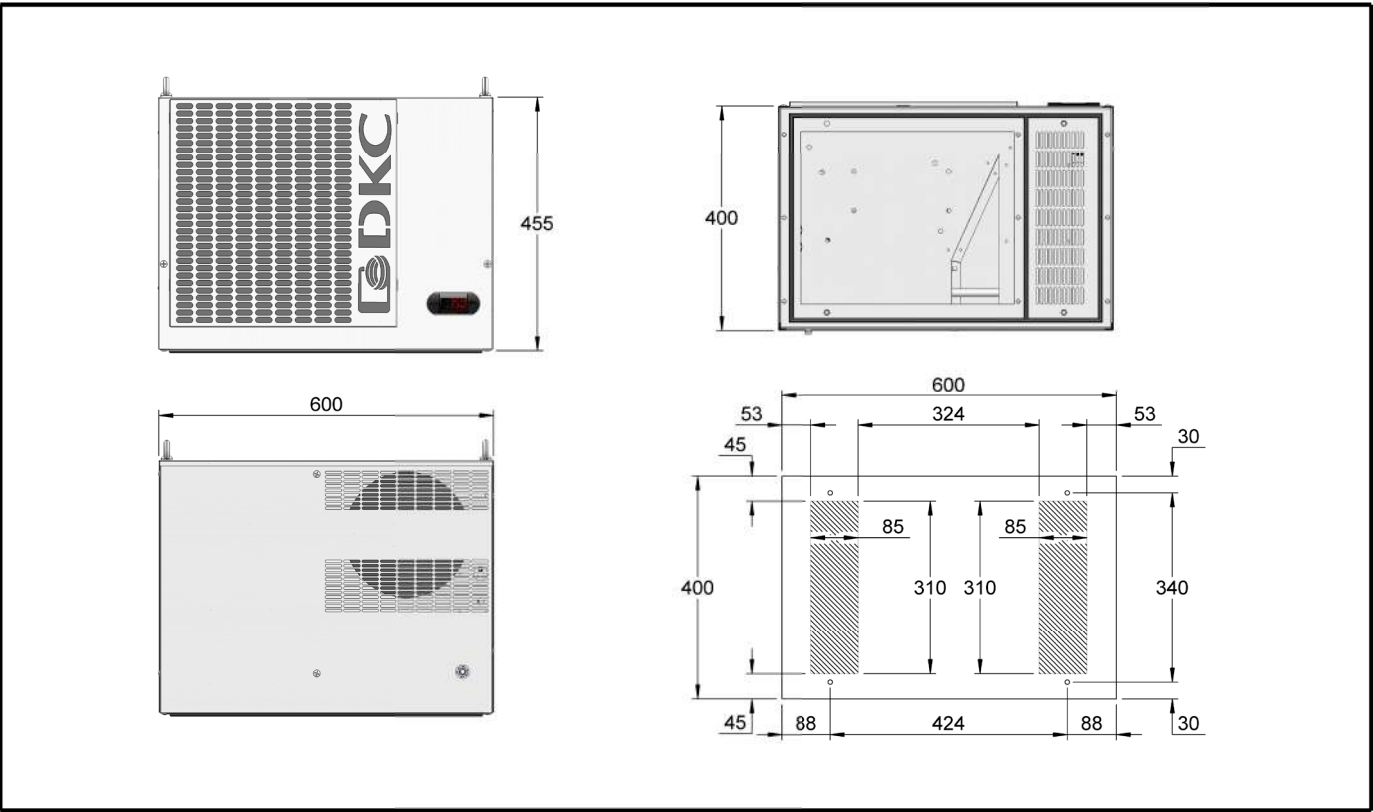
AISI INOX 304 = RIKLMxxxxxRT

AISI INOX 316 = R6KLMxxxxxRT

Refrigeration power



Dimensions and mounting cut-outs (mm)



Roof mount coolers 3000 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation sink with a particular safety unit blocking the device in case of a condensate drain failure.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of FROR cables:
 - ◊ TOP - Overtemperature alarm, door contact and condensation level alarm. RS485 serial interface for remote control (on demand).
- Versions with non-standard supply voltage are available upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM30043RT
Version	TOP
Supply voltage	400 / 460 Vac - 3 ph
Frequency	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	2800 / 3080 W
Refrigerating power L35/L50 as per DIN 3168	2240 / 2350 W
Dimensions H x W x D (height x width x depth)	505 x 800 x 500 mm
FLA Full Load Amperes	2,6 / 2,9 A
Starting current	12 A
Suggested protective and security device: fuse T	8 A
Absorption L35L35	1100 / 1270 W
Absorption L35L50	1260 / 1520 W
Temperature regulating range (factory set)	from +30°C to +40°C
Operating temperature (Environment)	from +20°C to +50°C
Protection degree of enclosure facing side	IP 54
Noise level	71 dB (A)
Weight	72 kg
Coolant type	R134a
Operating cycle type	100%
Approvals	CE EH

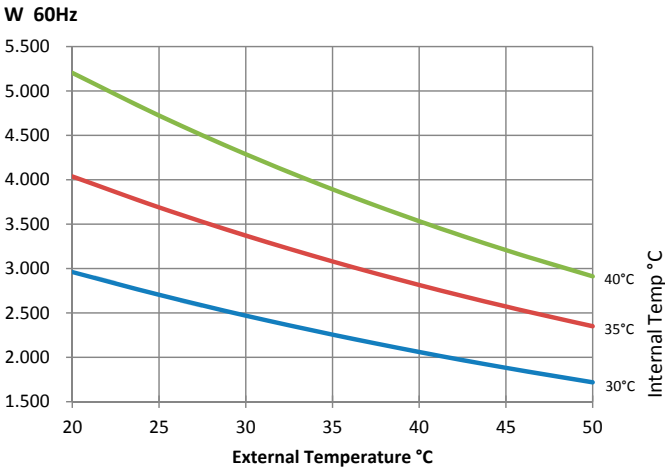
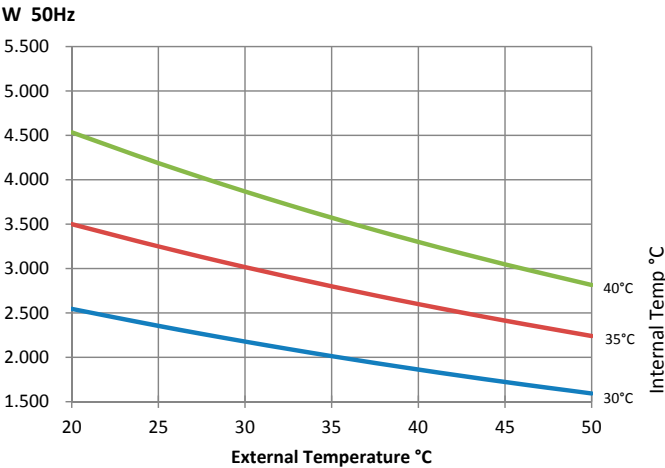
Optional:

Non-standard color = R9KLMxxxxRT (Required RAL code is to be specified)

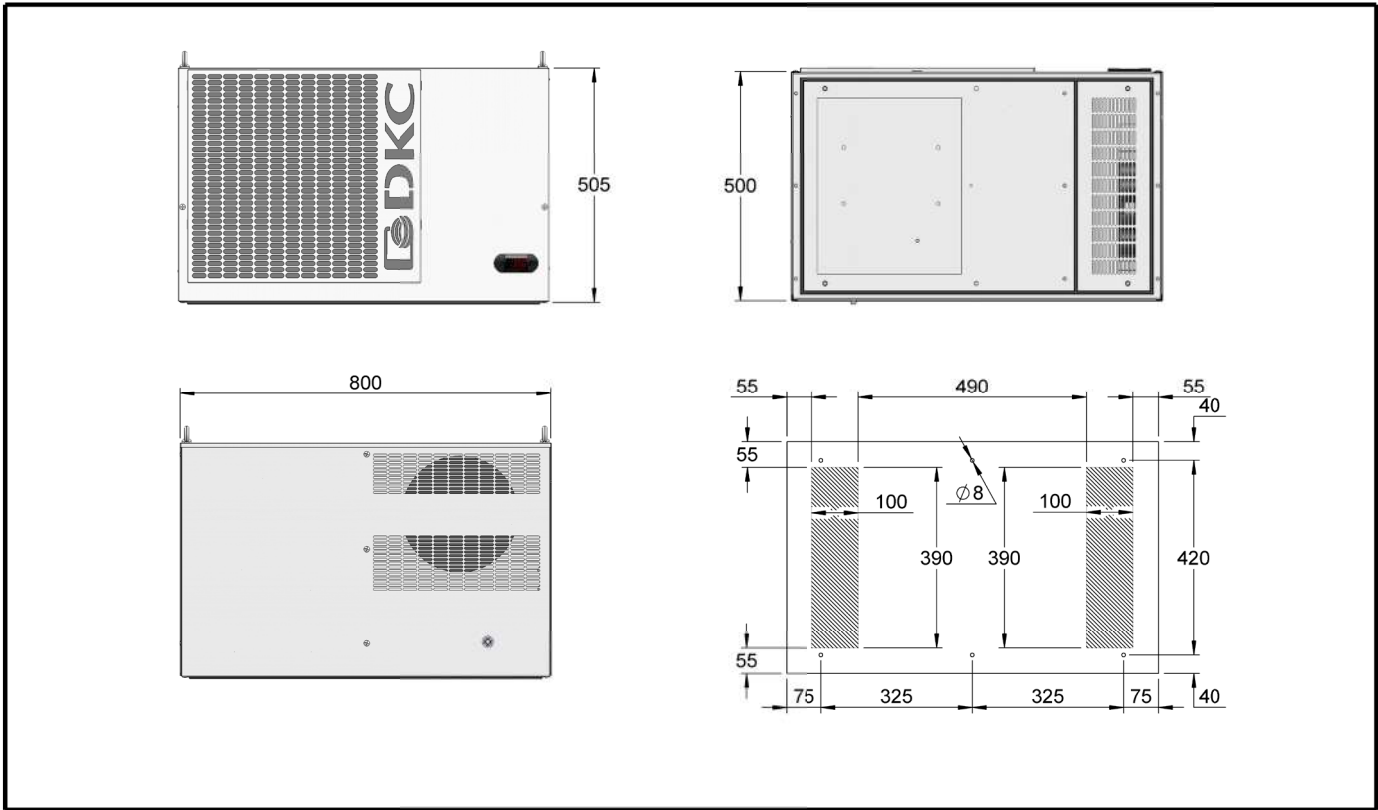
AISI INOX 304 = RIKLMxxxxRT

AISI INOX 316 = R6KLMxxxxRT

Refrigeration power



Dimensions and mounting cut-outs (mm)



Roof mount coolers 4000 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation sink with a particular safety unit blocking the device in case of a condensate drain failure.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of FROR cables:
 - ◇ TOP - Overtemperature alarm, door contact and condensation level alarm. RS485 serial interface for remote control (on demand).
- Versions with non-standard supply voltage are available upon request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams). Take a look at the diagrams for the available voltages.

	R5KLM40043RT
Version	TOP
Supply voltage	400 / 460 Vac - 3 ph
Frequency	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	4000 / 4200 W
Refrigerating power L35/L50 as per DIN 3168	3000 / 3150 W
Dimensions H x W x D (height x width x depth)	505 x 800 x 500 mm
FLA Full Load Amperes	3,3 / 3,7 A
Starting current	15 A
Suggested protective and security device: fuse T	8 A
Absorption L35L35	1800 / 2000 W
Absorption L35L50	2120 / 2500 W
Temperature regulating range (factory set)	from +30°C to +40°C
Operating temperature (Environment)	from +20°C to +50°C
Protection degree of enclosure facing side	IP 54
Noise level	72 dB (A)
Weight	75 kg
Coolant type	R134a
Operating cycle type	100%
Approvals	CE EH

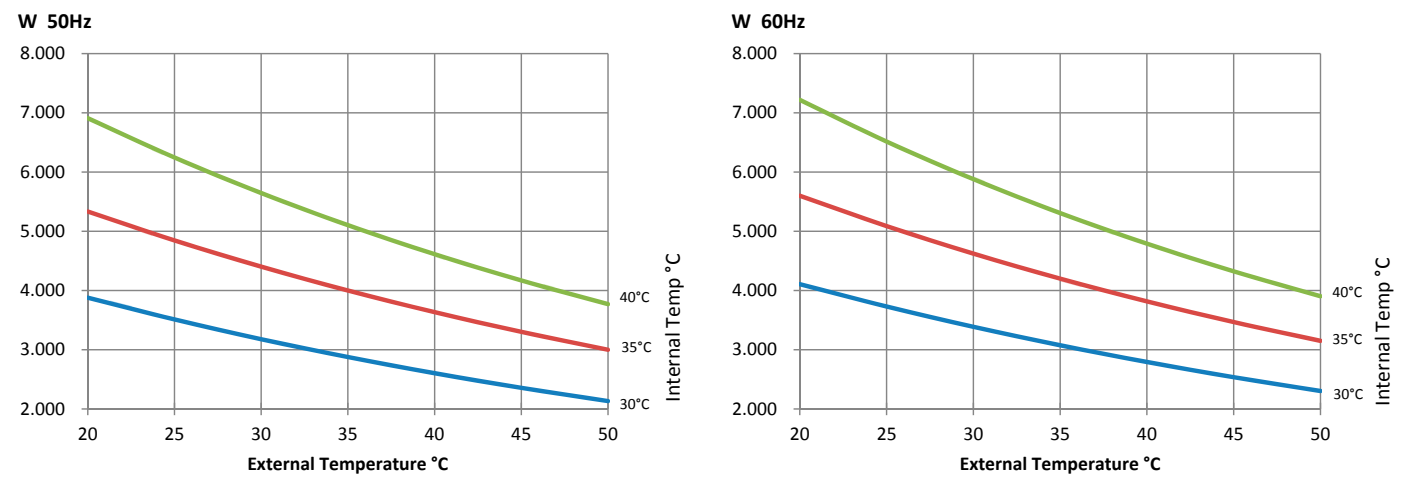
Optional:

Non-standard color = R9KLMxxxxxRT (Required RAL code is to be specified)

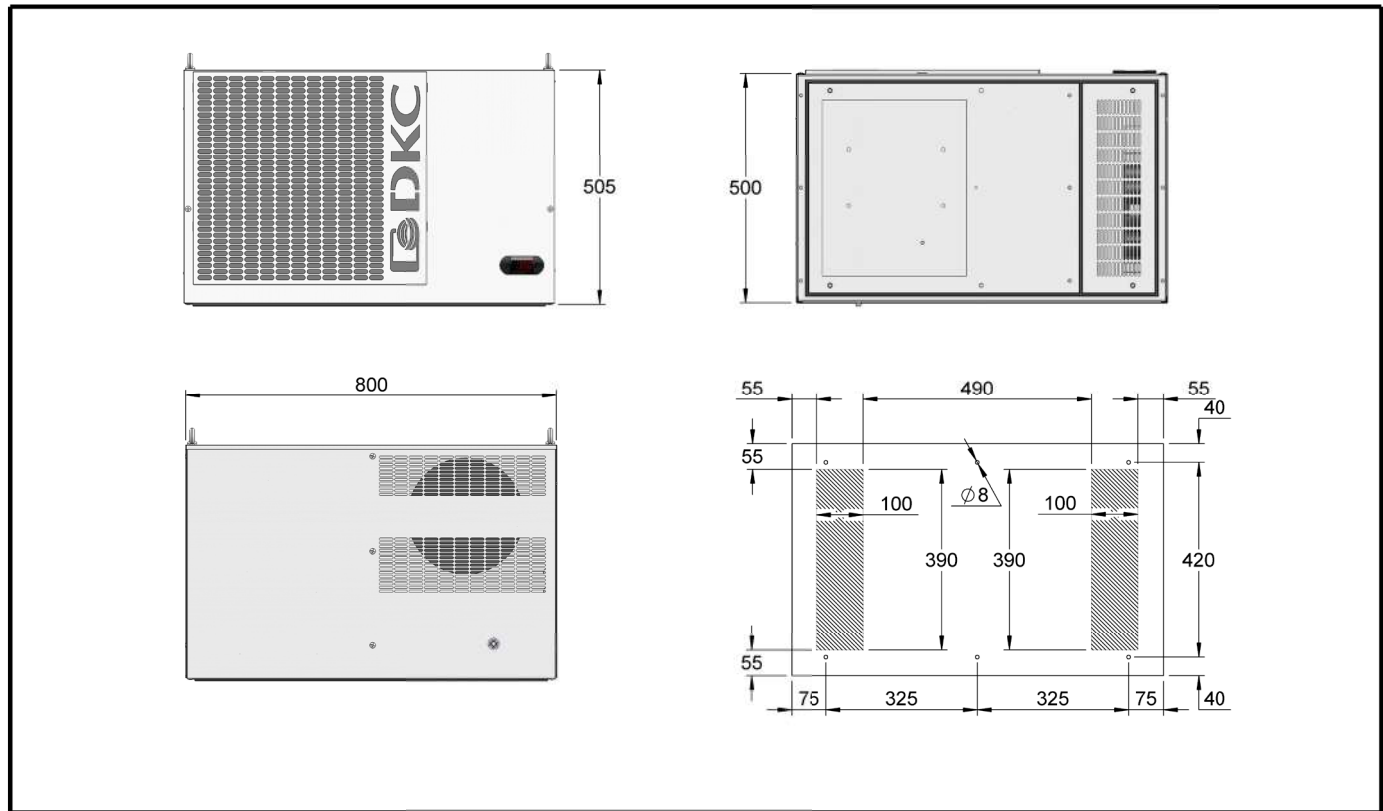
AISI INOX 304 = RIKLMxxxxxRT

AISI INOX 316 = R6KLMxxxxxRT

Refrigeration power



Dimensions and mounting cut-outs (mm)



Slim OUT and Slim IN coolers

In order to meet the exigency to reduce the protrusion of coolers from electrical boards as much as possible, DKC has decided to complete the range with SLIM series.

Slim and Slim IN coolers are particularly suitable for bayed enclosures cooling and for all those applications where it is important to reduce the protrusion of the cooler.

Slim IN coolers differ from those of SLIM series, since the whole unit is mounted inside a enclosure.

The product line includes cooling power from 500 to 4000 Watt (as per DIN3168/EN815) with a reduced number of cut-out templates in order to manage several power options with the same cut-out. Special voltage and frequency versions are available upon request.

MAIN ADVANTAGES

Seal

- polyurethane seal applied by continuous molding as standard on all the units contributing to a considerable installation time saving.

Filter grid

- provided with the innovating *click&go* fixing system simplifying service activities
- customizable both in terms of color and logo

Mounting cutouts

- possibility to install coolers of different power using the same mounting cutout.

Metallic filter

- optional, to be used in particularly harsh environments (presence of oils and particularly aggressive substances)

Stainless steel cover

- Covers of AISI 304 or AISI 316L stainless steel are available for food industry environments or wherever high hygiene standards are required.

Condensation sink

- standard inbuilt

Internal deflector

- optional to prevent short-circuit in the enclosure

Lifting eyebolts

- provided with all the version in order to facilitate installation activities

Easy maintenance

- by virtue of the accessibility to components with no necessity of particular disassembly operations

Service

- purposed to guarantee a prompt assistance and continuous support over time.



Conformity and Approvals



Protection degree

- IP 54 enclosure side and IP 34 external side as per EN 60529 standard

Slim OUT and Slim IN coolers



Digital thermostat



Polyurethane gasket machinery applied



Condensation sink standard for the whole range



Terminal block for ON/OFF alarm management (door micro switch).
Overtemperature alarm.
RS485 serial interface for remote control of up to 32 units (on demand).



Standard air filter

Slim

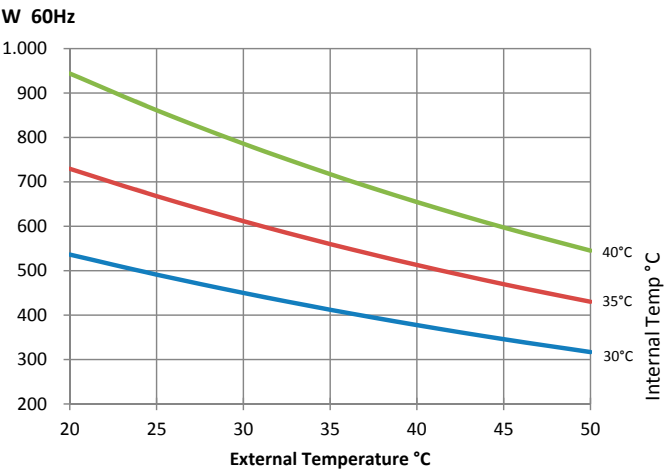
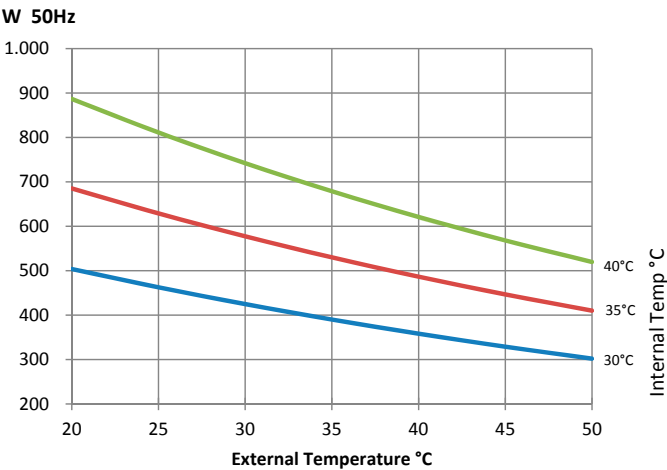
Slim coolers 500 W



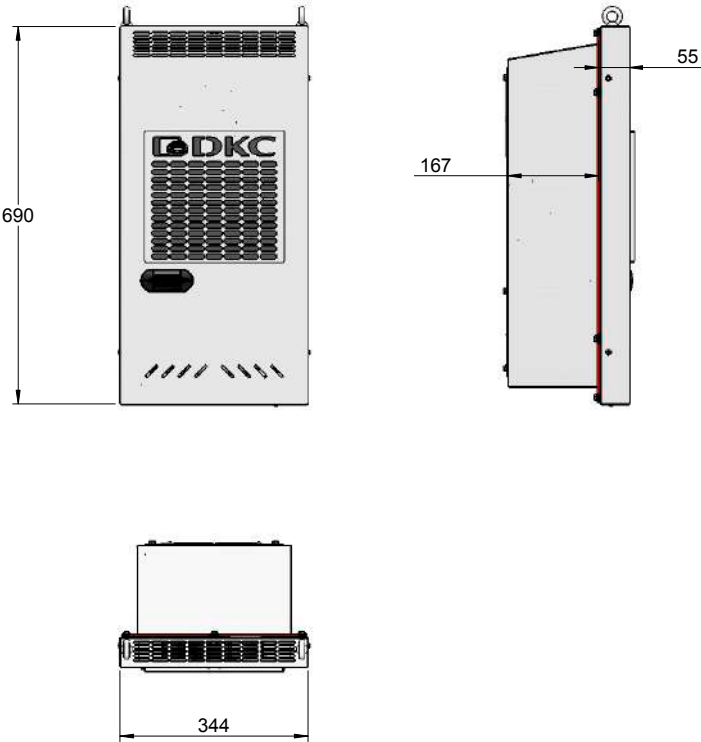
- Polyurethane gasket machinery applied.
- Inbuilt condensation filter.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
- 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board. Remote ON/OFF (door micro switch). RS485 on request.

	R5KLM05021LIT
Version	SLIM IN
Supply voltage	230 Vac - 1 ph
Frequency	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	520 / 550 W
Refrigerating power L35/L50 as per DIN 3168	400 / 420 W
Dimensions H x W x D (height x width x depth)	690 x 344 x 222 mm
FLA Full Load Amperes	2 / 2,2 A
Starting current	11 A
Suggested protective and security device: fuse T	6 A
Absorption L35L35	280 / 330 W
Absorption L35L50	320 / 390 W
Temperature regulating range (factory set)	from +30°C to +40°C
Operating temperature (Environment)	from +20°C to +50°C
Protection degree of enclosure facing side	IP 54
Noise level	67 dB (A)
Weight	20 kg
Coolant type	R134a
Operating cycle type	100%
Approvals	CE EAC

Refrigeration power



Dimensions and mounting cut-outs (mm)



Slim coolers 1000 W

RAM-KLIMA



- Polyurethane gasket machinery applied.
- Inbuilt condensation filter.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
- TOP - 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board. Remote ON/OFF. (door micro switch). RS485 serial interface for remote control (on request).
- Special voltage on request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams).

	R5KLM10021SOT	R5KLM10021SIT
Version	SLIM OUT	SLIM IN
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph
Frequency	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	1020 / 1120 W	1020 / 1120 W
Refrigerating power L35/L50 as per DIN 3168	820 / 860 W	820 / 860 W
Dimensions H x W x D (height x width x depth)	1500 x 400 x 190 mm	1570 x 490 x 35 mm (155 inside electrical board)
FLA Full Load Amperes	3,7 / 4,1 A	3,7 / 4,1 A
Starting current	20 A	20 A
Suggested protective and security device: fuse T	8 A	8 A
Absorption L35L35	490 / 540 W	490 / 540 W
Absorption L35L50	570 / 650 W	570 / 650 W
Temperature regulating range (factory set)	from +30°C to +40°C	
Operating temperature (Environment)	from +20°C to +50°C	
Protection degree of enclosure facing side	IP 54	
Noise level	69 dB (A)	
Weight	50 kg	55 kg
Coolant type	R134a	
Operating cycle type	100%	
Approvals		

Optional:

Non-standard color = R9KLMxxxxxSOT (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxSOT

AISI INOX 316 = R6KLMxxxxxSOT

Slim coolers 1500 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation filter.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
- TOP - 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board. Remote ON/OFF. (door micro switch). RS485 serial interface for remote control (on request).
- Special voltage on request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams).

	R5KLM15021SOT	R5KLM15021SIT
Version	SLIM OUT	SLIM IN
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph
Frequency	50 / 60 Hz	50 / 60 Hz
Refrigerating power L35/L35 as per DIN 3168	1420 / 1560 W	1420 / 1560 W
Refrigerating power L35/L50 as per DIN 3168	1140 / 1190 W	1140 / 1190 W
Dimensions H x W x D (height x width x depth)	1500 x 400 x 190 mm	1570 x 490 x 35 mm (155 inside electrical board)
FLA Full Load Amperes	5,2 / 5,8 A	5,2 / 5,8 A
Starting current	24 A	24 A
Suggested protective and security device: fuse T	8 A	8 A
Absorption L35L35	660 / 760 W	660 / 760 W
Absorption L35L50	760 / 920 W	760 / 920 W
Temperature regulating range (factory set)	from +30°C to +40°C	
Operating temperature (Environment)	from +20°C to +50°C	
Protection degree of enclosure facing side	IP 54	
Noise level	69 dB (A)	
Weight	52 kg	57 kg
Coolant type	R134a	
Operating cycle type	100%	
Approvals	CE EAC	

Optional:

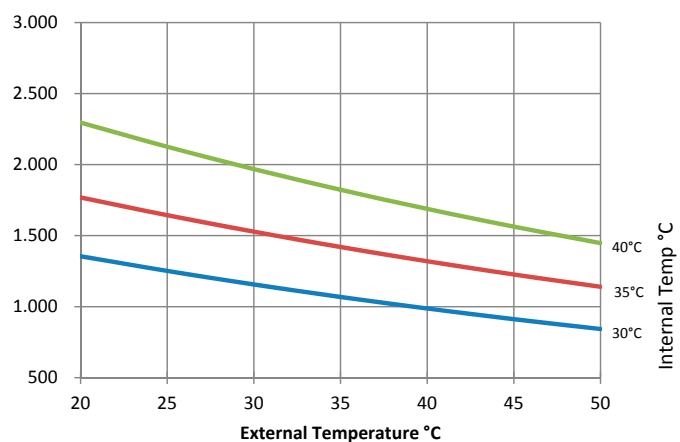
Non-standard color = R9KLMxxxxxSOT (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxSOT

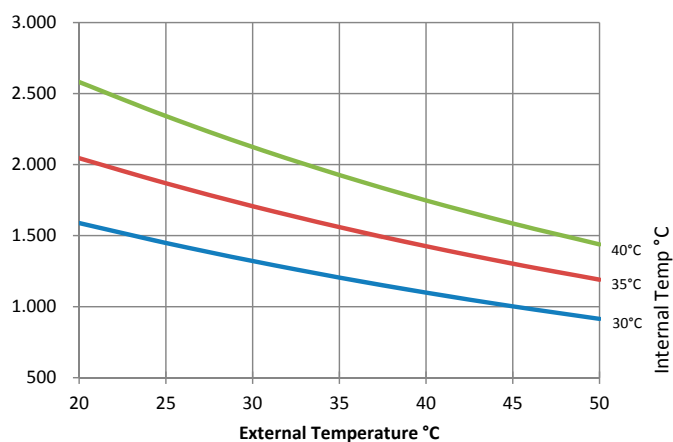
AISI INOX 316 = R6KLMxxxxxSOT

Refrigeration power

W 50Hz

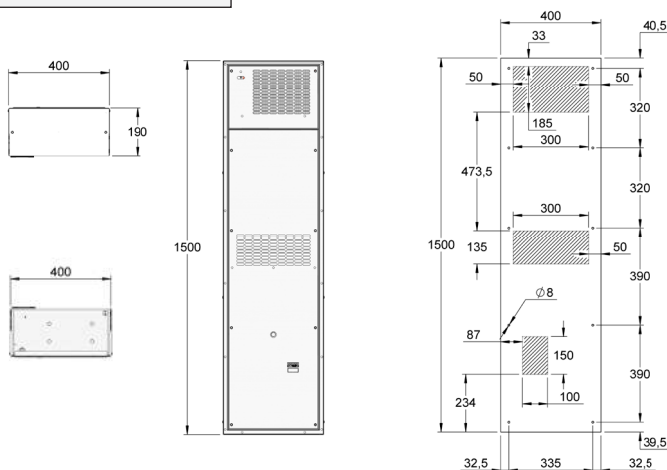


W 60Hz

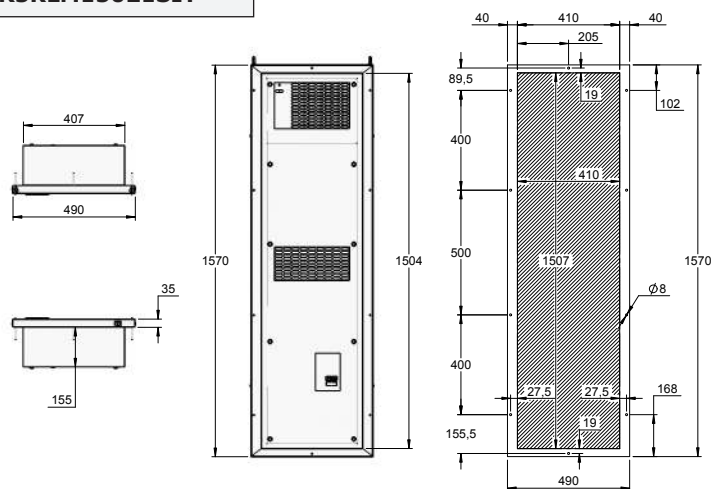


Dimensions and mounting cut-outs (mm)

R5KLM15021SOT



R5KLM15021SIT



Slim coolers 2000 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation filter.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
- TOP - 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board. Remote ON/OFF. (door micro switch). RS485 serial interface for remote control (on request).
- Special voltage on request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams).

	R5KLM20021SOT	R5KLM20043SOT	R5KLM20021SIT	R5KLM20043SIT
Version	SLIM OUT	SLIM OUT	SLIM IN	SLIM IN
Supply voltage	230 Vac - 1 ph	400 Vac - 3 ph	230 Vac - 1 ph	400 Vac - 3 ph
Frequency	50 / 60 Hz	50 Hz	50 / 60 Hz	50 Hz
Refrigerating power L35/L35 as per DIN 3168	1960 / 2150 W	1830 W	1960 / 2150 W	1830 W
Refrigerating power L35/L50 as per DIN 3168	1570 / 1640 W	1460 W	1570 / 1640 W	1460 W
Dimensions H x W x D (height x width x depth)	1650 x 400 x 220	1650 x 400 x 220	1720 x 490 x 35 mm (185 inside electrical board)	1720 x 490 x 35 mm (185 inside electrical board)
FLA Full Load Amperes	6 / 6,6 A	2,3 / 2,6 A	6 / 6,6 A	2,3 / 2,6 A
Starting current	26 A	10 A	26 A	10 A
Suggested protective and security device: fuse T	12 A	6 A	12 A	6 A
Absorption L35L35	930 / 1070 W	900 W	930 / 1070 W	900 W
Absorption L35L50	1080 / 1300 W	1030 W	1080 / 1300 W	1030 W
Temperature regulating range (factory set)	from +30°C to +40°C			
Operating temperature (Environment)	from +20°C to +50°C			
Protection degree of enclosure facing side	IP 54			
Noise level	70 dB (A)			
Weight	63 kg	68 kg	68 kg	72 kg
Coolant type	R134a			
Operating cycle type	100%			
Approvals	CE ENEC			

Optional:

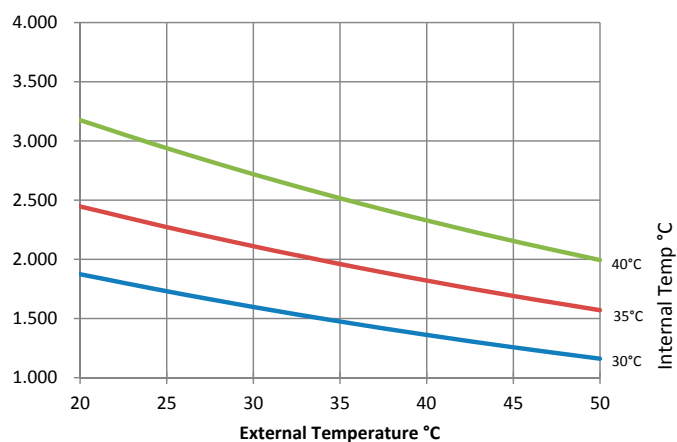
Non-standard color = R9KLMxxxxxSOT (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxSOT

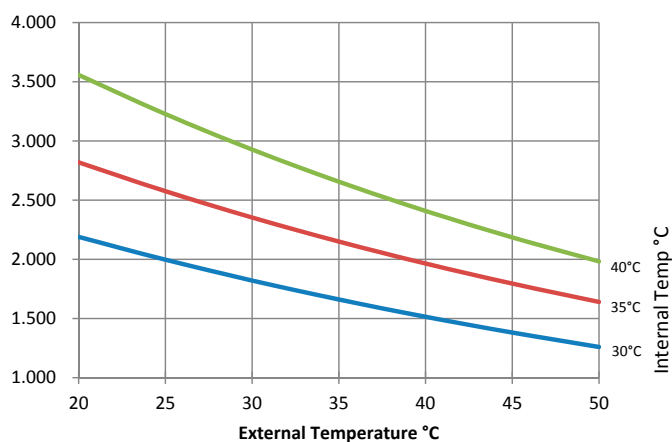
AISI INOX 316 = R6KLMxxxxxSOT

Refrigeration power

W 50Hz

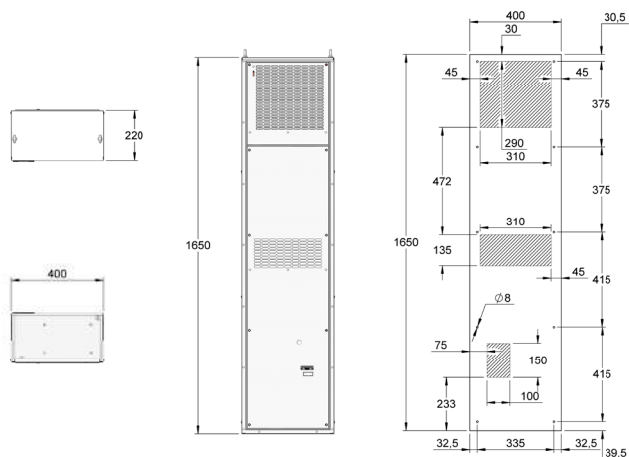


W 60Hz

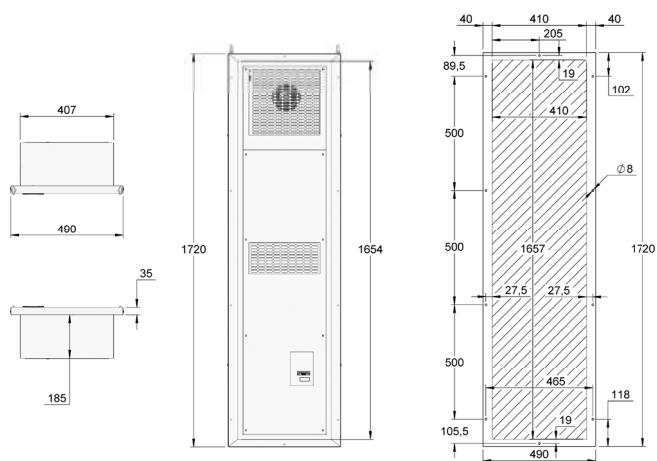


Dimensions and mounting cut-outs (mm)

R5KLM20021SOT



R5KLM20021SIT



Slim coolers 3000 W

RAM-KLIMA



- Polyurethane gasket machinery applied.
- Inbuilt condensation filter.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◊ TOP - 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board. Remote ON/OFF. (door micro switch). RS485 serial interface for remote control (on request).
- Special voltage on request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams).
- Versioni UL: configuration TOP grid/filter not supply.
- UL version could be supply in the following voltages: 400 Vac 50 Hz - 460 Vac 60 Hz between the modifying of the internal wiring.

	R5KLM30043SOT	R5KLM30043SOU*	R5KLM30021SOT	R5KLM30043SIT	R5KLM30043SIU*
Version	SLIM OUT	SLIM OUT	SLIM OUT	SLIM IN	SLIM IN
Supply voltage	400 / 460 Vac - 3 ph	480 Vac 3 ph	230 Vac - 1 ph	400 / 460 Vac - 3 ph	480 Vac
Frequency	50 / 60 Hz	60 Hz	50 Hz	50 / 60 Hz	60 Hz
Refrigerating power L35/L35 as per DIN 3168	2800 / 3080 W	3080 W	2800 W	2800 / 3080 W	3080 W
Refrigerating power L35/L50 as per DIN 3168	2240 / 2350 W	2350 W	2240 W	2240 / 2350 W	2350 W
Dimensions H x W x D (height x width x depth)	1650 x 400 x 220 mm			1720 x 490 x 35 mm (185 inside electrical board)	
FLA Full Load Amperes	2,6 / 2,9 A	2,74 A	7 A	2,6 / 2,9 A	2,74 A
Starting current	12 A	12 A	35 A	12 A	12 A
Suggested protective and security device: fuse T	8 A	8 A	12 A	8 A	8 A
Absorption L35L35	1100 / 1270 W	1270 W	1100 W	1100 / 1270 W	1270 W
Absorption L35L50	1260 / 1520 W	1520 W	1260 W	1260 / 1520 W	1520 W
Temperature regulating range (factory set)	from +30°C to +40°C				
Operating temperature (Environment)	from +20°C to +50°C	from +20°C to +55°C	from +20°C to +50°C		from +20°C to +55°C
Protection degree of enclosure facing side	IP 54				
Noise level	71 dB (A)				
Weight	68 kg	69 Kg	70 kg	74 kg	74 kg
Coolant type	R134a				
Operating cycle type	100%				
Approvals					

* Preliminary data, to be defined

Optional:

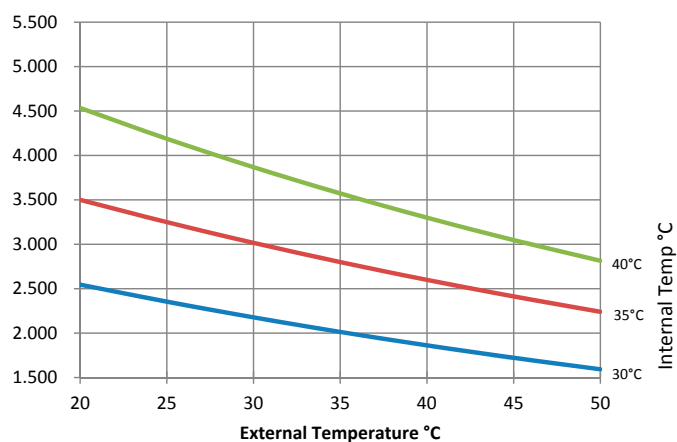
Non-standard color = R9KLMxxxxxSOT (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxSOT

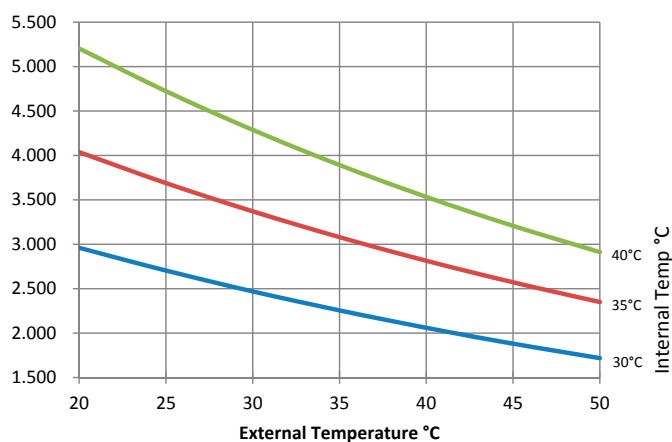
AISI INOX 316 = R6KLMxxxxxSOT

Refrigeration power

W 50Hz

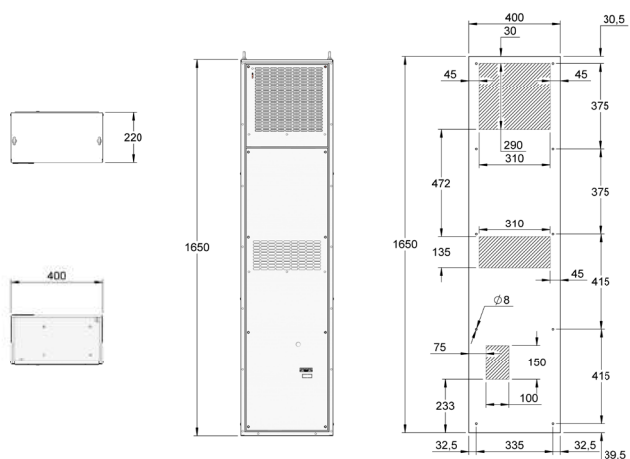


W 60Hz

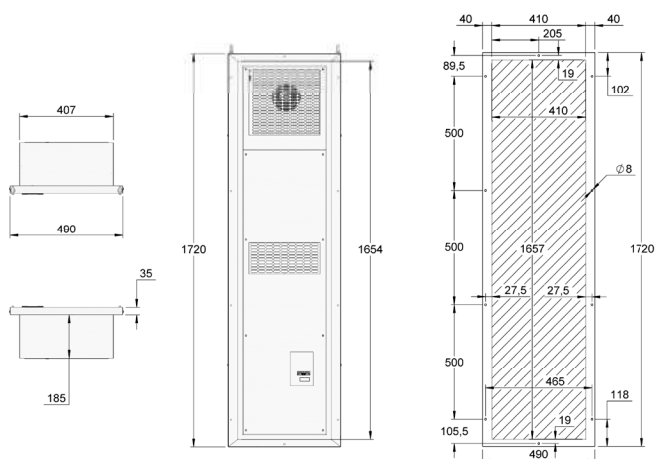


Dimensions and mounting cut-outs (mm)

R5KLM30021/43/SOT



R5KLM30043SIT



Slim coolers 4000 W



- Polyurethane gasket machinery applied.
- Inbuilt condensation filter.
- Standard air filter.
- Textured RAL 7035 standard color. Other colors are available upon request.
- The connection is performed by means of PLUG-IN terminal boards:
 - ◊ TOP - 2 PLUG-IN power supply connectors. Alarm control by means of a terminal board. Remote ON/OFF. (door micro switch). RS485 serial interface for remote control (on request).
- Special voltage on request.
- All two-phase and three-phase versions can be supplied with different voltages, by changing the internal wiring (follow diagrams).

	R5KLM40043SOT	R5KLM40043SIT
Version	SLIM OUT	SLIM IN
Supply voltage	400 Vac - 3 ph	400 Vac - 3 ph
Frequency	50 Hz	50 Hz
Refrigerating power L35/L35 as per DIN 3168	3850 W	3850 W
Refrigerating power L35/L50 as per DIN 3168	2850 W	2850 W
Dimensions H x W x D (height x width x depth)	1650 x 400 x 220 mm	1720 x 490 x 35 mm
FLA Full Load Amperes	3,3 / 3,7 A	3,3 / 3,7 A
Starting current	15 A	15 A
Suggested protective and security device: fuse T	8 A	8 A
Absorption L35L35	1800 W	1800 W
Absorption L35L50	2120 W	2120 W
Temperature regulating range (factory set)	from +30°C to +40°C	from +30°C to +40°C
Operating temperature (Environment)	from +20°C to +50°C	from +20°C to +50°C
Protection degree of enclosure facing side	IP 54	IP 54
Noise level	71 dB (A)	71 dB (A)
Weight	70 kg	76 kg
Coolant type	R134a	R134a
Operating cycle type	100%	100%
Approvals	CE EAC	CE EAC

Optional:

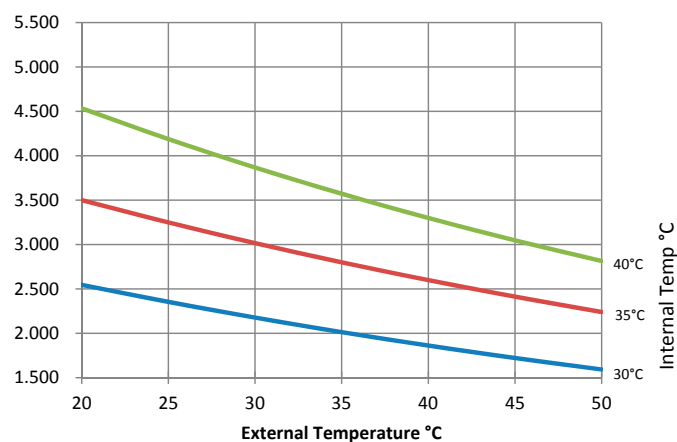
Non-standard color = R9KLMxxxxxSOT (Required RAL code is to be specified)

AISI INOX 304 = RIKLMxxxxxSOT

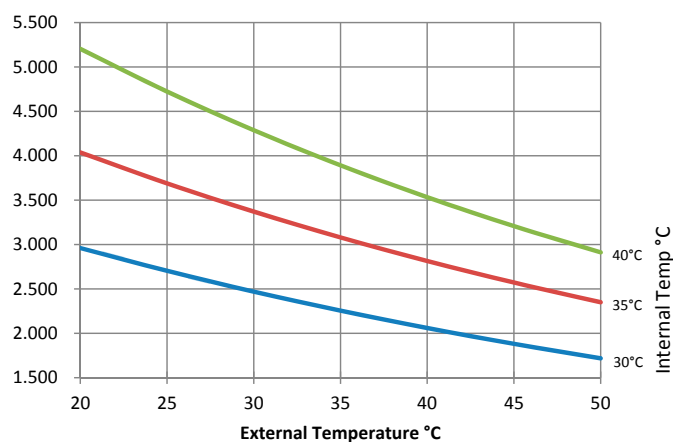
AISI INOX 316 = R6KLMxxxxxSOT

Refrigeration power

W 50Hz

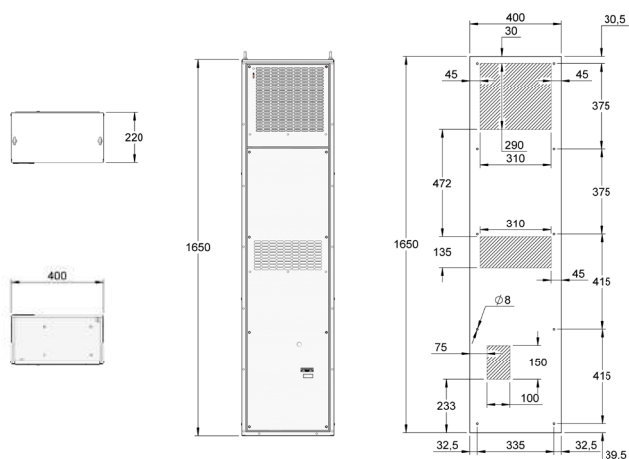


W 60Hz

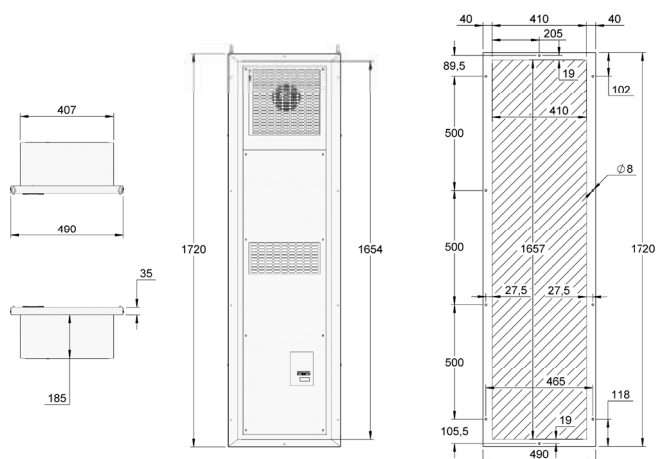


Dimensions and mounting cut-outs (mm)

R5KLM40043SOT



R5KLM40043SIT

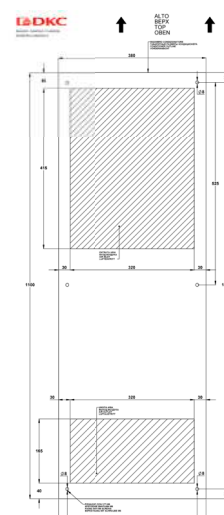


Air/water heat exchanges



- Polyurethane gasket machinery applied.
- Textured RAL 7035 standard color.
- Available in three versions
 - ◇ EASY: without water entry/exit control
 - ◇ BASE: internal solenoid valve and mechanical thermostat
 - ◇ TOP: internal solenoid valve and digital thermostat

	R5SAW07021LE/ B/T	R5SAW10021LE/ B/T	R5SAW20021LE/ B/T	R5SAW30021LE/ B/T
Supply voltage	230 Vac - 1 ph	230 Vac - 1 ph	230 Vac - 1 ph	230 Vac - 1 ph
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Refrigerating power (L35W10°C 200 l/h) (W)	700 W	1000 W	1950 W	2900 W
Dimensions H x W x D (height x width x depth) mm	500 x 280 x 135	500 x 280 x 135	1100 x 380 x 160	1100 x 380 x 160
FLA Full Load Amperes	0,2 A	0,5 A	0,5 A	0,7 A
Absorption	35 W	110 W	110 W	140 W
Operating temperature (Environment)	from +20°C to +55°C			
Protection degree of enclosure facing side	max IP 55			
Max water pressure (bar)	10			
Internal fan airflow (m3/h)	300	300	450	700
Noise level	70 dB (A)	55 dB (A)	70 dB (A)	70 dB (A)
Weight	9 kg	10 kg	21 kg	22 kg
Operating cycle type	100%			
Approvals	CE			



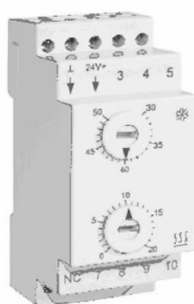
Thermoelectric coolers with Peltier effect



- Possibility of mounting on moving structures
- Double function: heating and cooling
- High protection degree internal electric board (standard IP55).
- Supply voltage: 24 Vdc (special voltages available on request)
- Standard cover made of galvanized aluminum - RAL 7035 12/10 with some parts in ABS. Available in stainless steel version.

	R5RTP50	R5RTP100	R5RTP200
Supply voltage	24 Vdc	24 Vdc	24 Vdc
Cooling capacity (W) $\Delta t=0K$	50	100	200
Dimensions H x W x D (height x width x depth)	160 x 200 x 160 mm	310 x 200 x 160 mm	310 x 350 x 160 mm
FLA Full Load Amperes	2,5 A	5,3 A	10 A
Starting current	2,8 A	6 A	11 A
Operating temperature (Environment)	from - 10° C to + 70° C	from - 10° C to + 70° C	from - 10° C to + 70° C
Protection degree of enclosure facing side	IP 55	IP 55	IP 55
Noise level	44 dB	44 dB	44 dB
Weight	3 kg	6,5 kg	12 kg
Operating cycle type	100%		
Approvals	CE		

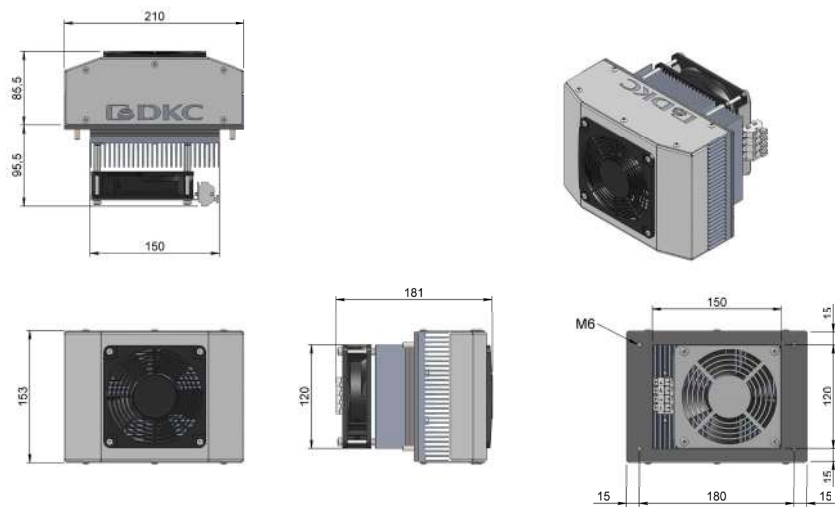
Thermostat heating/cooling



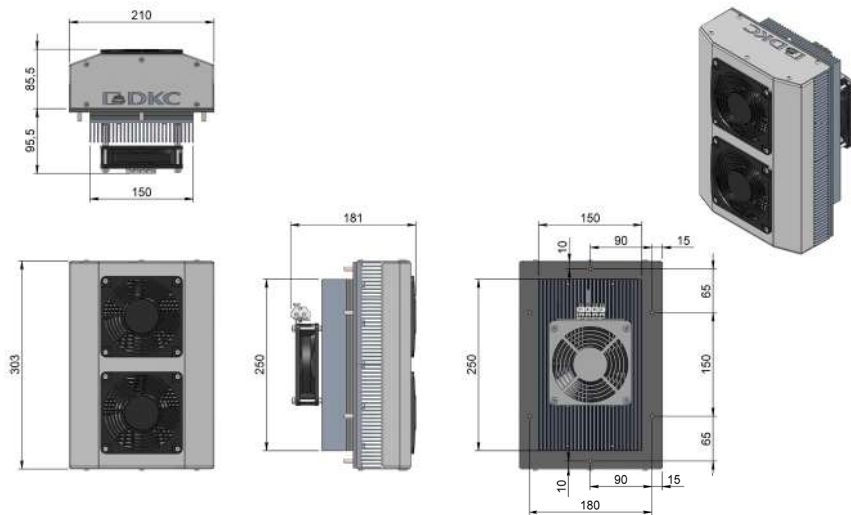
- This device allows to supply, depending on the thermal needs, cold or hot air inside the casing concerned.
- Temperature probe for remote sensing sold separately.

Code	RATMS04
Supply voltage	24 Vdc
Absorption	1 W
Starting current	16 A
Operating temperature	da -10° C a +55° C
Temperature of setting cold	da +30° C a +50° C
Temperature of setting heat	da +0° C a +20° C
Hysteresis	1 K
Color	RAL7035 ABS
Protection	IP20
Fastening	Guida DIN 35 mm

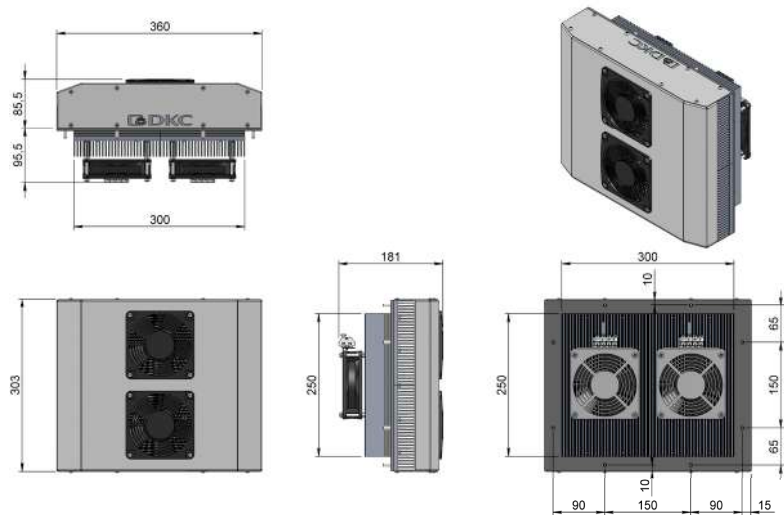
R5RTP50



R5RTP100



R5RTP200



Air pipe for roof mount coolers



Code	Description	Drawing
RAKLMCAT01	Air pipe PE/HD flange 298 mm	1
RAKLMCAT02	Air pipe PE/HD flange 243 mm	2
RAKLMCAT03	Air pipe PE/HD vertical flexible element	3
RAKLMCAT04	Air pipe PE/HD vertical 90° bend element	4
RAKLMCAT05	Fixing accessory air pipe PE/HD	5
RAKLMCNV04	Conveyor roof 1000-2000W RAL7035	6
RAKLMCNV05	Conveyor roof 3000-4000W RAL7035	6

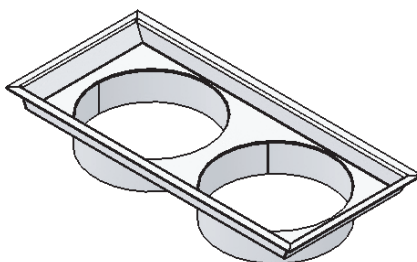
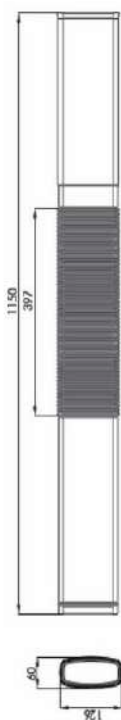
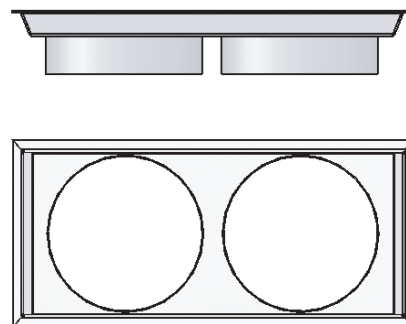
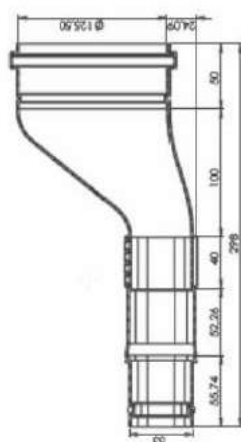


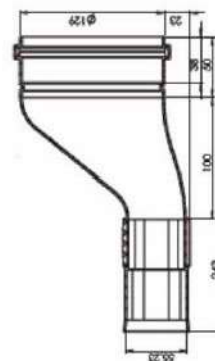
Fig.6



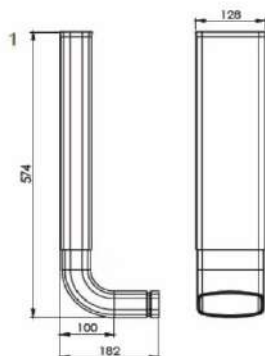
RAKLMCAT03 - Fig.3



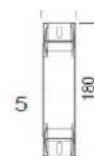
RAKLMCAT01 - Fig.1



RAKLMCAT02 - Fig.2



RAKLMCAT04 - Fig.4



RAKLMCAT05 - Fig.5

Aluminium filter

- Purposed for harsh environments in preference to standard polyurethane filters.
- To be replaced or cleaned regularly in proportion to its obstruction.

Code	For wall mount coolers	For roof mount coolers
RAKLMFA1	300-500-800 W 230 Vac	-
RAKLMFA2	500-800 W 400 Vac	-
RAKLMFA3	1000-1500-2000 W	-
RAKLMFA4	3000-4000 W	-
RAKLMFA5	-	1000-1500-2000 W
RAKLMFA6	-	3000-4000 W

Polyurethane filter

- Spare filter for BASE and TOP coolers.
- To be replaced or cleaned regularly in proportion to its obstruction.

Code	For wall mount coolers	For roof mount coolers
RAKLMFP1	300-500-800 W 230 Vac	-
RAKLMFP2	500-800 W 400 Vac	-
RAKLMFP3	1000-1500-2000 W	-
RAKLMFP4	3000-4000 W	-
RAKLMFP5	-	1000-1500-2000 W
RAKLMFP6	-	3000-4000 W

Internal aluminium air deflector

- Purposed to deflect cool air downwards.
- Suitable to prevent thermal short-circuits inside electrical enclosures.
- Easy to install even to a cooler already mounted to an enclosure.
- Suitable only for wall mount coolers.

Code	For wall mount coolers
RAKLMDI1	300-500-800 W
RAKLMDI2	1000-1500-2000 W
RAKLMDI3	3000-4000 W

Customizable filter grid

- Standard filter grids are customizable both in terms of color and logo.
- It is provided with the innovating *click&go* fixing system simplifying service activities.
- It is possible to order a customizable grid in order to replace a standard grid.
- The following details are to be specified at the order:
 - RAL code and/or company logo (subject to feasibility evaluation by DKC)
 - installation of the grid to a cooler, if required.

Code	For wall mount coolers	For roof mount coolers
RAKLMGFP1	300-500-800 W 230 Vac	-
RAKLMGFP2	500-800 W 400 Vac	-
RAKLMGFP3	1000-1500-2000 W	-
RAKLMGFP4	3000-4000 W	-
RAKLMGFP5	-	1000-1500-2000 W
RAKLMGFP6	-	3000-4000 W



Frame for semi-inbuilt wall mount coolers

- Reduces the protrusion of coolers from enclosures.
- IP54 protection degree assured by an injected seal and a correct installation.
- To be mounted to a enclosure by means of screws.
- Suitable for wall mount coolers in standard versions.

Code	For wall mount coolers
RAKLMCSI1	300 W
RAKLMCSI2	500-800 W 230 Vac
RAKLMCSI3	500 W 400 Vac
RAKLMCSI4	800 W 400 Vac
RAKLMCSI5	1000-1500-2000 W 230 Vac
RAKLMCSI6	3000-4000 W
RAKLMCSI7	1000-1500-2000 W two-threephase

Internal fan

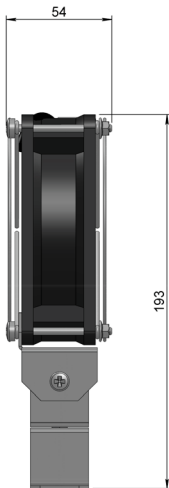
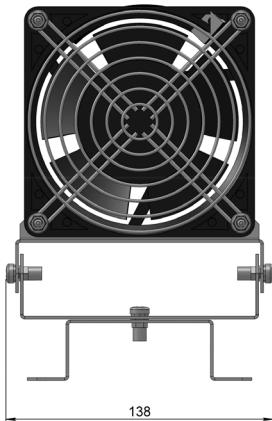
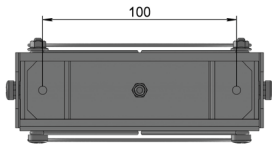


Code: **RAVOI1230**

Usefull to take off all the internal heating zones and to spin the coolers internal Refrigeration power.

- Mounting on 25 foot fixing holes.
- Special voltages available.
- 360° adjustable.
- Electrical connection by screw terminal or bipolar cable.
- Fixing with M4 screws.

	RAVOI1230	RAVOI1115	RAVOI12	RAVOI24	RAVOI48
Supply voltage	230 Vac	115 Vac	12 Vdc	24 Vdc	48 Vdc
Absorption	22 W	22 W	6 W	7,7 W	9,6 W
Free Refrigeration power (free blow)	157 m³/h	157 m³/h	178 m³/h	178 m³/h	178 m³/h
Noise	44 db	44 db	42 db	42 db	42 db
Electrical connection	Screw terminal	Screw terminal	Bipolar cable	Bipolar cable	Bipolar cable





Reinforced hinges kit

- Purposed to be used in preference to standard door hinges for CQE and CAE.
- Particularly suitable for 3000 and 4000 W coolers wall mounting.
- Pack of 4 pieces complete with fasteners.

Code	For wall mount coolers
RAKLMCR	3000-4000 W



Service DKC

In order to guarantee a prompt assistance and a constant support over time, DKC has created a service network in Italy and many parts of the world. This assures the users of RAMKLIMA coolers that in case of necessity they will get an immediate assistance.

Furthermore, please, feel free to contact DKC technicians for any problem by phone 06/552960222 or by e-mail: ramklima@dkceurope.eu.

Ventilation

New filter-fans and the relative filters by DKC of "R5KV" series represent the best solution for installation time saving currently available on the market.

Innovative elastic clips allow mounting with no screws and no necessity to open the filter cover. In fact it is sufficient to push the filter into a cut-out (especially sized) in order to be able to proceed with mounting without any further operation, reducing therefore to minimum the installation time.

A further advantage is represented by a rapid filter media substitution (with no tools) by virtue of sliding guides used to open the unit, reducing in this manner maintenance costs to minimum.

The new "R5KV" series is completely compatible and interchangeable with the previous "RAV" series. The whole "R5KV" line is wall-installable with a mounting range of 1 to 2.5 mm.

The IP protection degree have been improved with the help of the following 2 measures::

- A seal of polyurethane foam is settled inside a groove on the rear side of the filter-fans, designed so that it may not surmount the installation surface.
- The internal frame of the filter base is provided with longitudinal ribbing, which allow an easy water drain in case of its seepage to the upper filter part.

The material used for "R5KV" series is polycarbonate/ABS aimed to render the products more solid and resistant to color fading and flexion.

The product range includes filter-fans with the capacity of 12 to 520 m3/h both in standard and EMC version purposed for protection against electromagnetic interferences.

Roof exhaust units and ventilation covers complete DKC range of products for ventilation dedicated to natural and forced convection cooling.

New-entry of the catalogue, Peltier cell thermoelectric units represent an ideal solution for small enclosures conditioning, where standard conditioners are not applicable.

In comparison to traditional conditioners thermoelectric units have no compressor, therefore they are not subject to vibrations and suitable for applications, where the maximum precision is required.

The principle of operation is based on Peltier effect, allowing to absorb the heat from one side (cool side) and transmit it to the environment from the other side (warm side).

Besides that they are environmentally safe, since they do not contain substances noxious for ozone, do not require maintenance, have a long lifespan and are very easy to install.

Numerous completing accessories, such as thermostats, humidistats and anti-condensation heaters, allow maintaining always an appropriate temperature inside electrical enclosures

All products marked NEW are available upon request.





Quick installation



Innovative fixing clip



Flush seal



Safety



Sliding grid removal



UV resistance



Improved water resistance

Conformity and Approvals



Protection degree

- IP 54 as per EN 60529 standard
- NEMA 12 as per UL50
- The protection degree is guaranteed by a two-component polyurethane foam

Guidelines for cooling system selection

In order to select an appropriate cooling method for an electrical assembly, it is important to take into consideration the following basic principles:

1. **a low heat rate is to be dissipated** and $T_{\text{ambient}} < T_{\text{internal}}$ to the enclosure, it is sufficient to use only the grids with or without a filter in order to obtain an appropriate cooling system. In this manner the ambient air (cooler) enters inside the electrical enclosure by virtue of the "Natural Convection". This system is undoubtedly the most inexpensive, but turns out to be quite limited with respect to modern electrical components;
2. **a greater heat rate is to be dissipated** (in comparison to a solution with "Natural Convection") and $T_{\text{ambient}} < T_{\text{internal}}$ to the enclosure, it is necessary to use a classic ventilation system based on fans and filters in order to obtain a suitable cooling system. The ambient air (cooler) enters inside the electrical enclosure by virtue of the "Forced Convection". This system represents an ideal and most widely used solution for modern electronic and electrical applications. The prerogative for use of this type of solution is a non-hazardous type of environment;
3. **a high heat rate is to be dissipated** and $T_{\text{ambient}} > T_{\text{internal}}$ to the enclosure, it is necessary to use a closed cooling circuit. This system represents an ideal solution, when it is required to avoid damaging internal components of an electrical assembly by water, dust and chemical agents, as well as by too high temperatures.

DKC conditioners represent an ideal solution in order to satisfy all electronic and electrical applications, where it is necessary to cool an electric board and keep it dissociated from the external environment.

Operating principle of "R5KV" series fan-filters

DKC fans may be used whenever the ambient temperature (external to the enclosure) is lower than the temperature inside an electrical assembly.

Being composed by a ventilating unit and a grid with a filter for air-out, they filter the air entering the lower enclosure part dissipating the heat and homogenizing the temperature inside the enclosure.

The incoming air generates an overpressure, which facilitates its output from a grid located in the upper part of the enclosure.

The greater is the distance between these two points the better is the system performance. It is a good practice, anyway, to perform a regular maintenance of the filter.

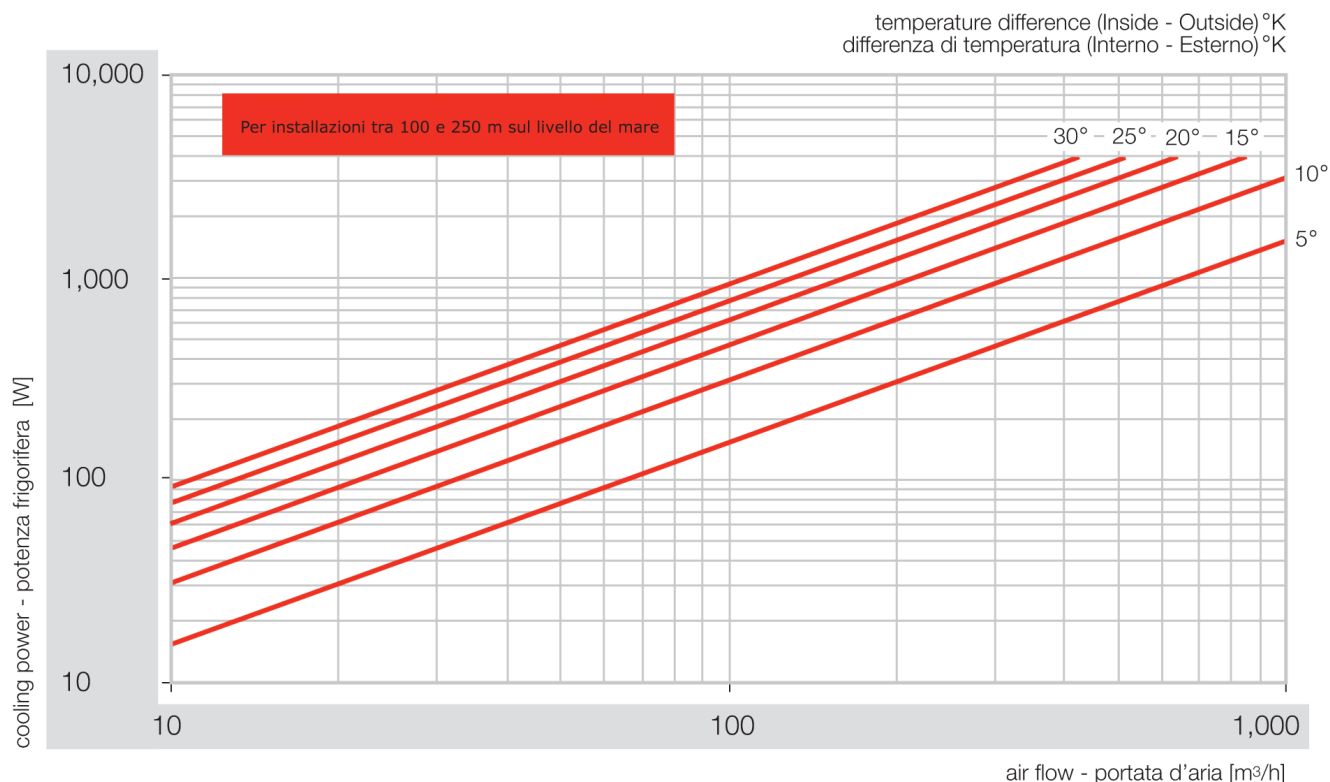
DKC fans maintain the enclosures protection degree and are perfectly integrated from the aesthetical point of view having RAL 7035 color.

It is also advisable to install a thermostat able to control and activate the ventilation system only when the internal temperature exceeds the required one.

This kind of measure would help to increase the lifespan of your filtering system.



Product selection diagram



An adequate choice of a fan is fundamental for a correct enclosure ventilation.

In order to make a choice it is important to determine a suitable Refrigeration power value.

To calculate it, 2 values need to be defined:

- Delivered cooling (W).
- Difference between the maximum allowable temperature inside the enclosure and the maximum expectable ambient temperature external to the enclosure.

Having defined these two values it is necessary to crisscross the horizontal line relative to the delivered cooling with the diagonal one referred to the temperature difference. A vertical line generated by the cross point determines the required Refrigeration power.

At this stage it is sufficient to choose a suitable fan.

Making the calculation it is necessary to take into consideration that a part of the heat is dissipated by the enclosure walls, and it is recommended to oversize the airflow value given by the graph by 20% in order to be able to face potential situations when the filter is obstructed.

R5KV08 Fan-filter



- Material: PC/ABS UV resistant
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP54 as per EN 60529 standard
- Mounting: by means of elastic clips or 4 self-tapping screws
- Mounting range: thickness from 1 to 2 mm.
- Storing temperature: from -40°C to +70°C
- Lifespan L10 a 20°C: 50.000 h
- Motor protection: impedance
- Earthing connection: by M4 screws on the fan case
- Electrical connection: by means of an UL3266 ABG22 cable
- Application class: class I
- Filtering media: thermo-linked progressive structure synthetic fibre
- Filtering class: G3 as per EN 779.
- Separation grade: 85% - DIN 24185
- Dust retention capacity: 600 g/m²
- Notes: filter media washable up to 10 times approximately
- Weight: 0,391 kg

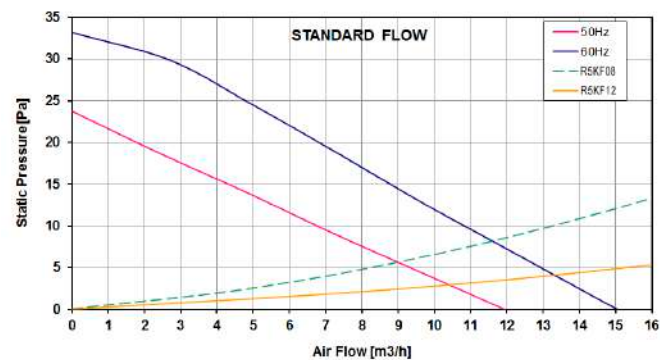
Standard version

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE	UL US	
115	50/60	0,113/0,092	9,0/7,0	12/15	23/33	31/33	-10 + 55	▪	▪	R5KV08115
230	50/60	0,062/0,050	10/8,0	12/15	23/33	31/33	-10 + 55	▪	▪	R5KV08230

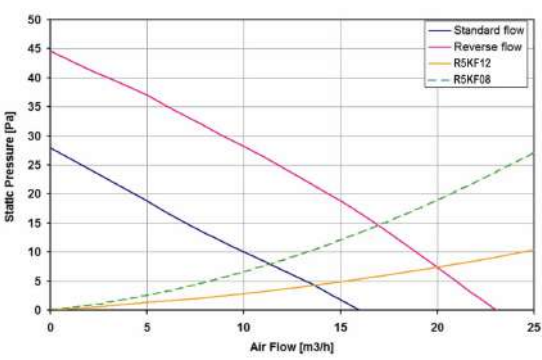
Version standard

Voltage, Vdc	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
	A	W					CE	UL US	
24	0,085	2,0	16	28	30	-10 + 55	▪		R5KV0824

Refrigeration power

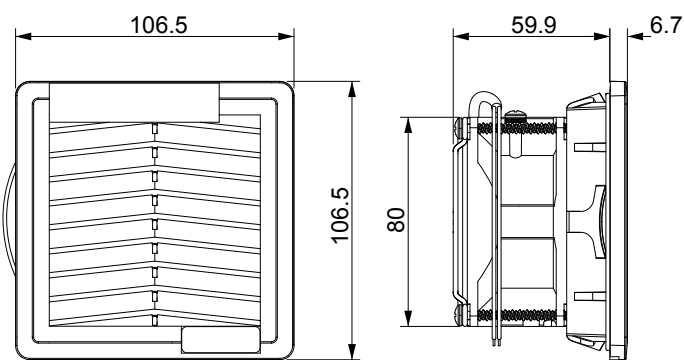


R5KV08115/230

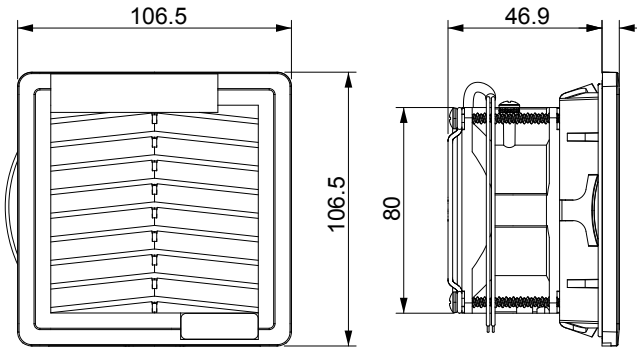


R5KV0824

Dimensions (mm)

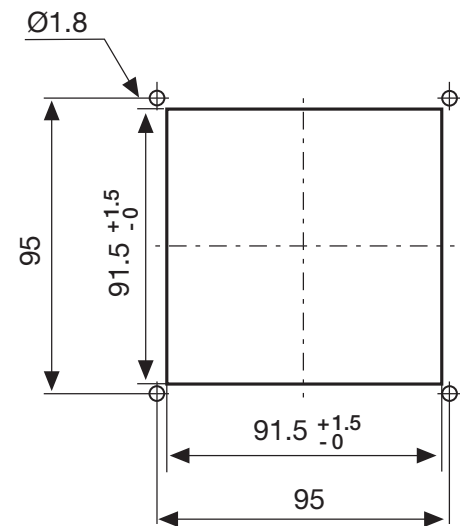


R5KV08115/230



R5KV0824

Drilling pattern (mm)



R5KV12 Fan-filter

RAM-KLIMA



- Material: PC/ABS UV resistant
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP54 as per EN 60529 standard
- Mounting: by means of elastic clips or 4 self-tapping screws
- Mounting range: thickness from 1 to 2,1 mm.
- Storing temperature: from -45°C to +75°C
- Lifespan L10 a 25°C: 57.000 h
- Motor protection: impedance
- Earthing connection: by M4 screws on the fan case
- Electrical connection: by means of a two-pole L-N terminal block
- Application class: class I
- Filtering media: thermo-linked progressive structure synthetic fibre
- Filtering class: G3 as per EN 779
- Separation grade: 85% - DIN 24185
- Dust retention capacity: 600 g/m²
- Notes: filter media washable up to 10 times approximately
- Weight: 0,8 kg

Standard version

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE	UL	
115	50/60	0,20/0,18	16/15	45/50	55/62	46,0/49,0	-10 + 55	▪	▪	R5KV12115
230	50/60	0,11/0,10	18/17	45/50	55/62	48,0/54,0	-10 + 55	▪	▪	R5KV12230

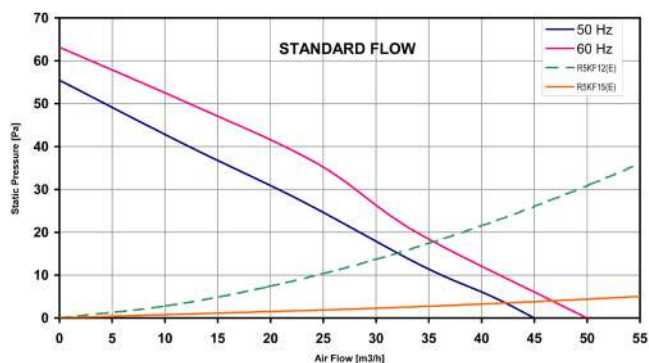
Version EMC

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE	UL	
230	50/60	0,11/0,10	18/17	45/50	55/62	48,0/54,0	-10 + 55	▪		R5KV12230E

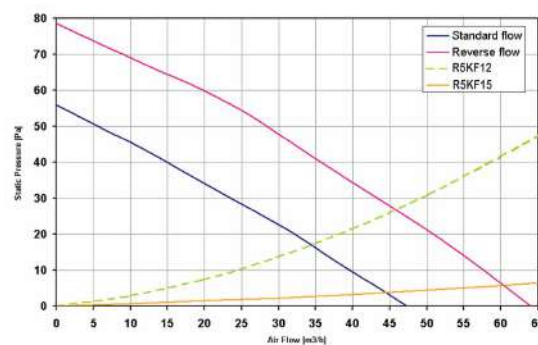
Version standard

Voltage, Vdc	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
	A	W					CE	UL	
24	0,31	7,4	47	56	42,5	-10 + 55	▪		R5KV1224

Refrigeration power

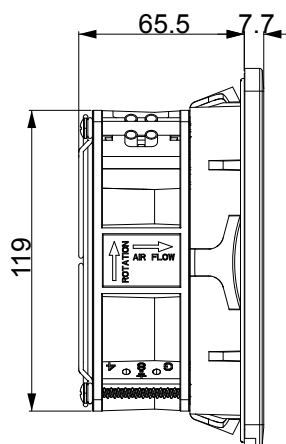
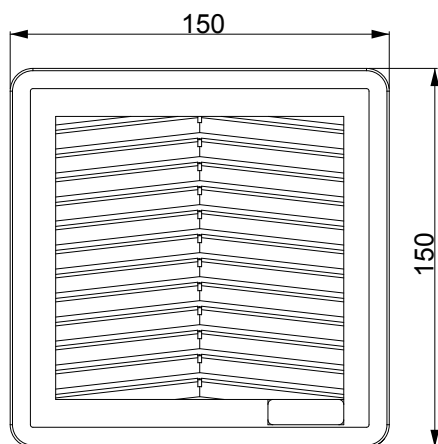


R5KV12115/230

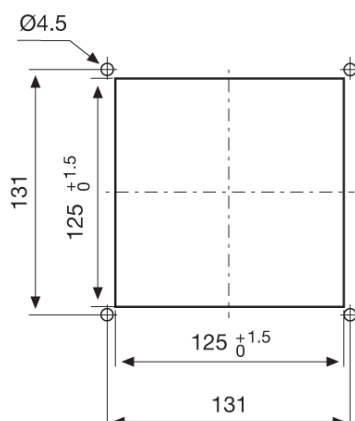


R5KV1224

Dimensions (mm)



Drilling pattern (mm)



R5KVP13 Fan-filter

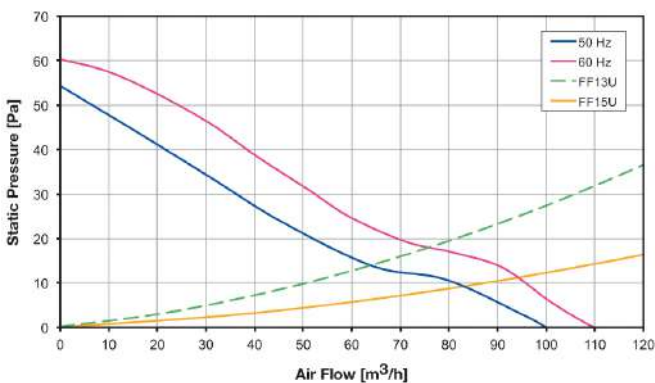
RAM-KLIMA



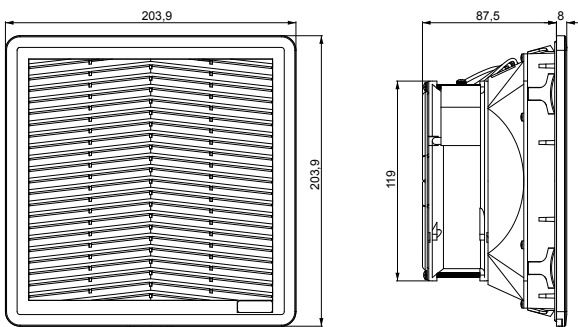
- Material: PC/ABS UV resistant
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP54 as per EN 60529 standard
- Mounting: by means of elastic clips or 4 self-tapping screws
- Mounting range: thickness from 1,5 to 2,1 mm.
- Storing temperature: from -45°C to +75°C
- Lifespan L10 a 25°C: 57.000 h
- Motor protection: impedance
- Electrical connection: by means of a two-pole L-N terminal block
- Application class: class I
- Filtering media: thermo-linked progressive structure synthetic fibre
- Filtering class: G3 as per EN 779
- Separation grade: 85% - DIN 24185
- Dust retention capacity: 600 g/m²
- Notes: filter media washable up to 10 times approximately
- **Available fan filter IP55.**

Standard version										
Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m³/h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE		
230	50/60	0,10/0,09	18/18	100/110	55/60	48,0/54,0	-10 + 55	▪	▪	R5KVP13230

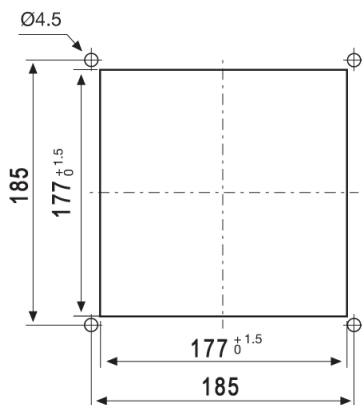
Refrigeration power



Dimensions (mm)



Drilling pattern (mm)



R5KV15 Fan-filter



- Material: PC/ABS UV resistant
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP54 as per EN 60529 standard
- Mounting: by means of elastic clips or 4 self-tapping screws
- Mounting range: thickness from 1,5 to 3 mm.
- Storing temperature: from -45°C to +75°C
- Lifespan L10 a 25°C: 80.000 h
- Motor protection: impedance
- Earthing connection: by terminal block PE pole
- Electrical connection: by means of a three-pole L-N terminal block
- Application class: class I
- Filtering media: thermo-linked progressive structure synthetic fibre
- Filtering class: G3 as per EN 779
- Separation grade: 85% - DIN 24185
- Dust retention capacity: 600 g/m²
- Notes: filter media washable up to 10 times approximately
- Weight: 1,5 kg

Standard version

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE	UL	
115	50/60	0,28/0,27	31/31	230/270	115/155	50,0/55,0	-10 + 55	▪	▪	R5KV15115
230	60	0,160	36	230/270	115/155	50,0/55,0	-10 + 55	▪	▪	R5KV15230
230	50/60	0,233/0,224	36/36	200/220	90/90	50,0/55,0	-10 + 55	▪		R5KVL15230

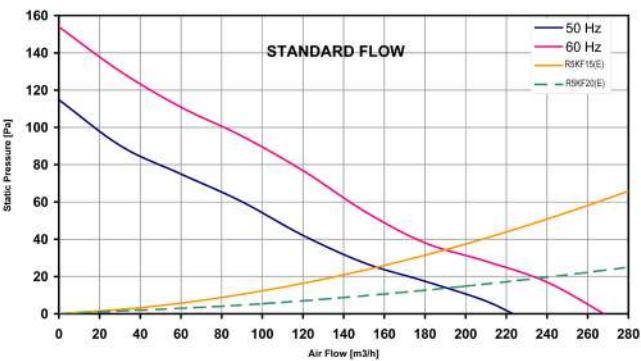
Version EMC

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE	UL	
230	50/60	0,160	36	230/270	115/155	50,0/55,0	-10 + 55	▪		R5KV15230E

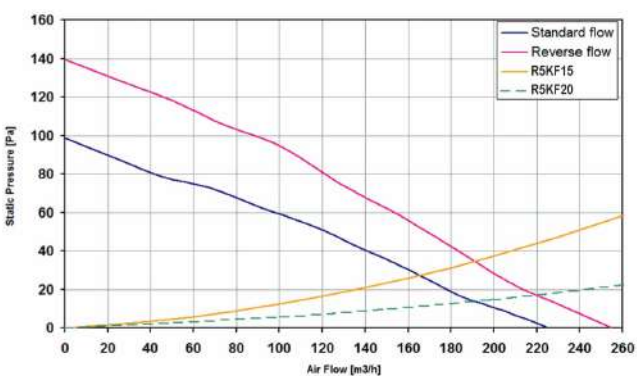
Version standard

Voltage, Vdc	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
	A	W					CE	UL	
24	0,71	17	225	99	58	-10 + 55	▪		R5KV1524

Refrigeration power



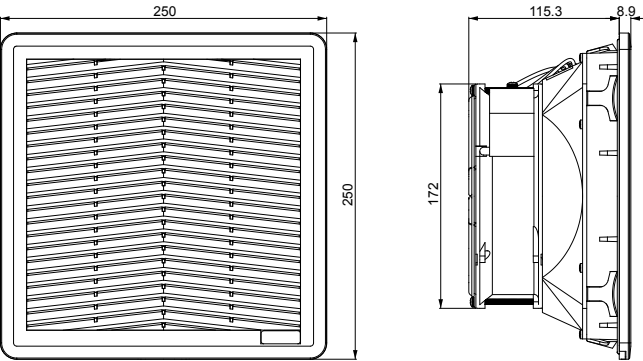
R5KV15115/230



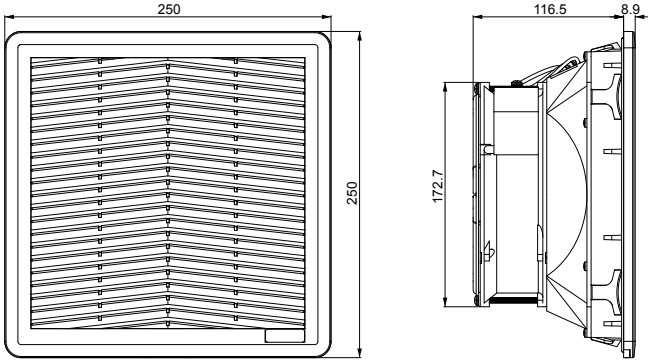
R5KV1524

RAM-KLIMA

Dimensions (mm)

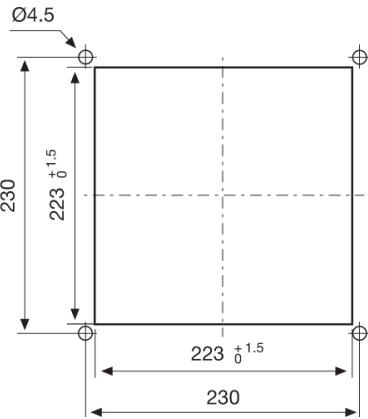


R5KV15115/230



R5KV1524

Drilling pattern (mm)



R5KV20 Fan-filter



- Material: PC/ABS UV resistant
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP54 as per EN 60529 standard
- Mounting: by means of elastic clips or 4 self-tapping screws
- Mounting range: thickness from 1,5 to 2,5 mm.
- Storing temperature: from -30°C to +75°C
- Lifespan L10 a 25°C: 65.000 h
- Motor protection: impedance
- Earthing connection: by means of PE pole terminal block
- Electrical connection: by means of a three-pole L-N terminal block
- Application class: class I
- Filtering media: thermo-linked progressive structure synthetic fibre
- Filtering class: G3 as per EN 779
- Separation grade: 85% - DIN 24185
- Dust retention capacity: 600 g/m²
- Notes: filter media washable up to 10 times approximately
- Weight: 3,1 kg

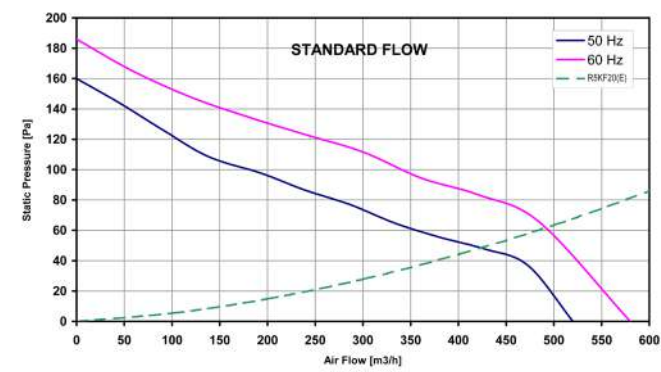
Standard version

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE	UL	
115	50/60	0,53/0,65	60/74	520/580	160/185	66,0/69,2	-10 + 70	▪		R5KV20115
230	50/60	0,318/0,381	73/87	520/580	160/185	65,3/68,1	-10 + 70	▪		R5KV20230
115	50/60	0,63/0,73	74/83	520/580	160/190	66,0/69,2	-10 + 55	▪	▪	R5KV20115U
230	50/60	0,31/0,35	70/85	520/580	160/190	65,3/68,1	-10 + 55	▪	▪	R5KV20230U
115	50/60	1,5/1,8	165/215	670/760	210/220	74,7/78,9	-10 + 55	▪	▪	R5KVG20115U
230	50/60	0,67/0,85	155/195	670/760	210/220	66/69,2	-10 + 55	▪	▪	R5KVG20230U

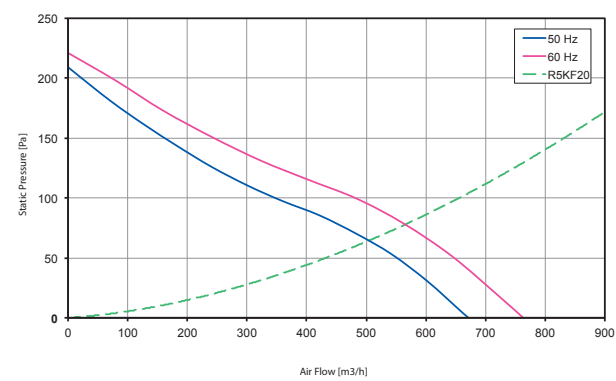
Version EMC

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m ³ /h	Pressure, Pa	Noise, dB (A)	Operating temper. °C	Approvals		Fan filter code
		A	W					CE	UL	
230	50/60	0,318/0,381	73/87	520/580	160/185	65,3/68,1	-10 + 70	▪		R5KV20230E

Refrigeration power

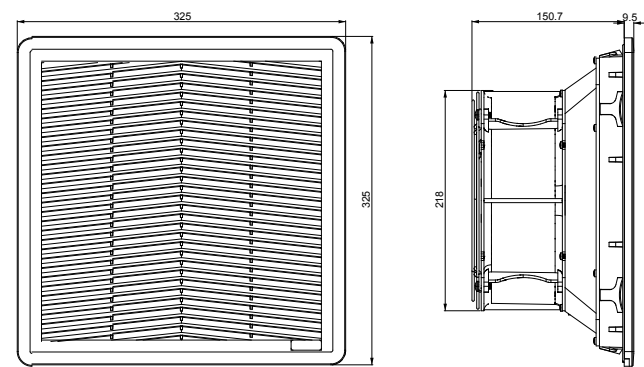


R5KV20115/230

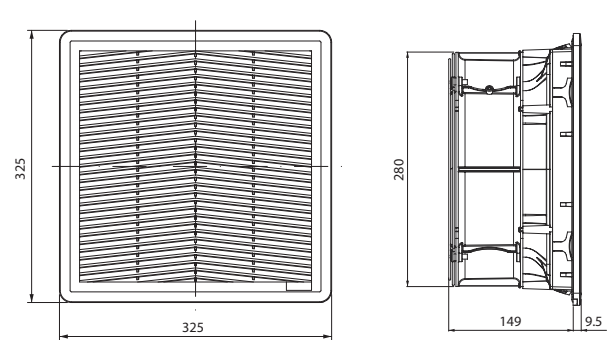


R5KVG20115/230

Dimensions (mm)

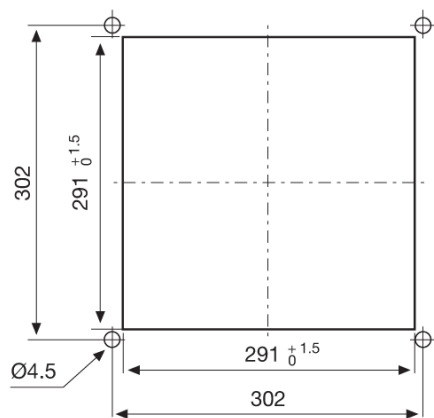


R5KV20115/230



R5KVG20115/230

Drilling pattern (mm)



R5KF Ventilation grid with filter



- Material: PC/ABS UV resistant
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP54 as per EN 60529 standard
- Mounting: by means of elastic clips or 4 self-tapping screws
- Mounting range: thickness from 1 to 2 mm for R5KF08, from 1 to 2,1 mm for R5KF12, from 1,5 to 3 mm for R5KF15, from 1,5 to 2,5 mm for R5KF20.
- Storing temperature: from -45°C to +75°C
- Filtering media: thermo-linked progressive structure synthetic fibre
- Filtering class: G3 as per EN 779
- Separation grade: 85% - DIN 24185
- Dust retention capacity: 600 g/m²
- Notes: filter media washable up to 10 times approximately

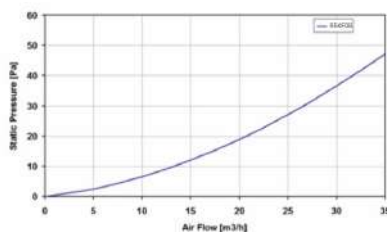
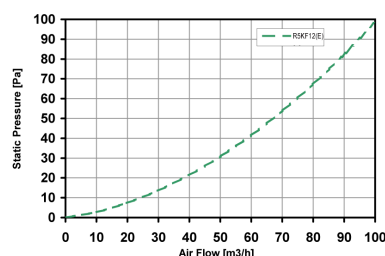
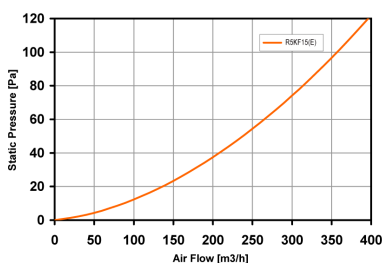
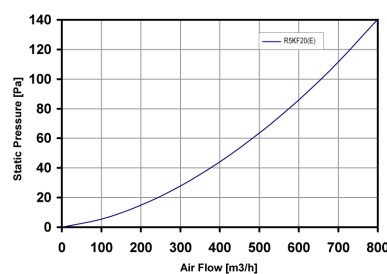
Version standard

A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight Kg	Approvals		Code
								CE	UL US	
106,5	91,5	16,5	6,7	95	92	1,8	0,07	▪	▪	R5KF08
150	125	21,5	7,7	131	126	4,5	0,18	▪	▪	R5KF12
203,9	176	21,5	8	185	177	4,5	0,26	▪	▪	R5KF13
250	223	24,9	8,9	230	223	4,5	0,42	▪	▪	R5KF15
325	291	24,5	9,5	302	391	4,5	0,60	▪	▪	R5KF20

Version EMC

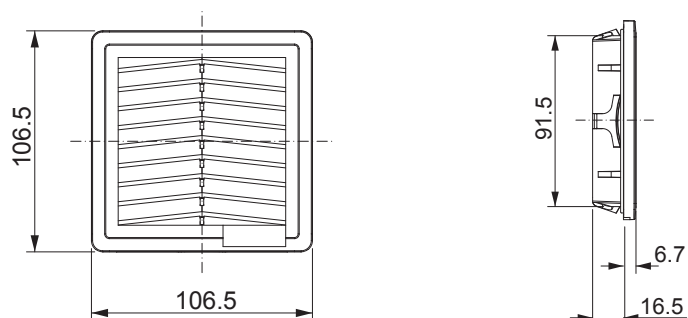
A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight Kg	Approvals		Code
								CE	UL US	
150	125	21,5	7,7	131	126	4,5	0,18	▪		R5KF12E
250	223	24,9	8,9	230	223	4,5	0,42	▪		R5KF15E
325	291	24,5	9,5	302	391	4,5	0,60	▪		R5KF20E

Refrigeration power

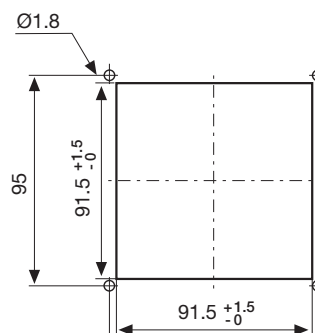

R5KF08

R5KF12

R5KF15

R5KF20

Dimensions (mm)

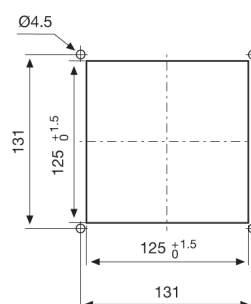
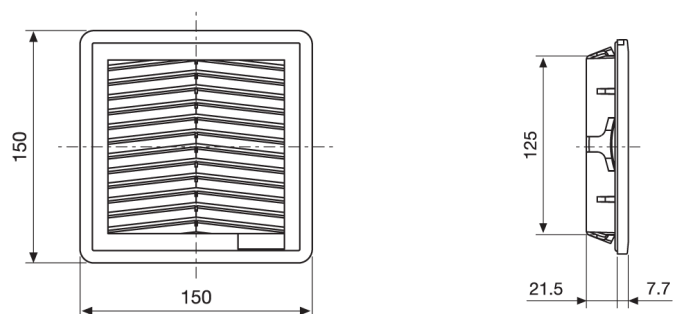
R5KF08



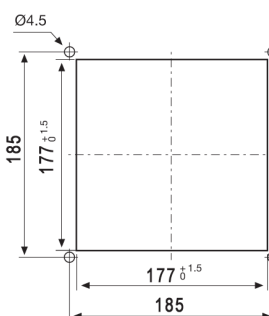
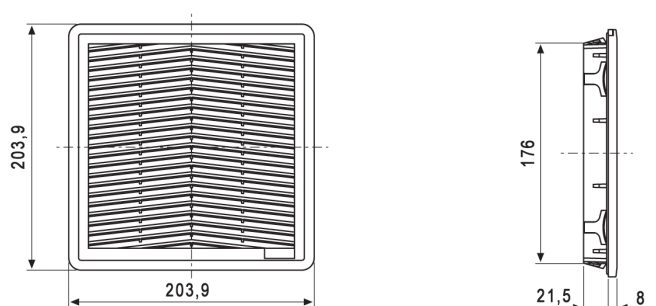
Drilling pattern (mm)



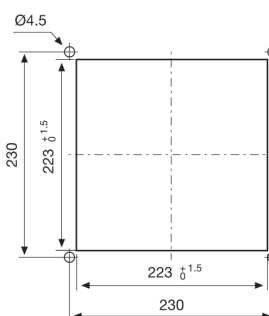
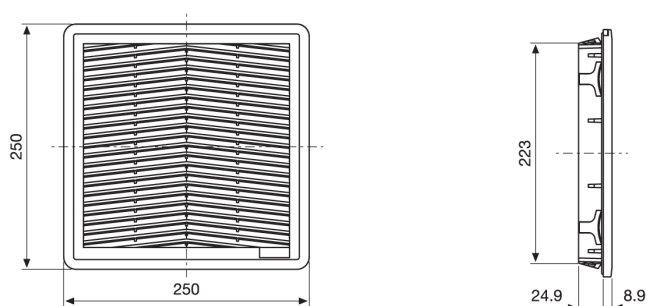
R5KF12



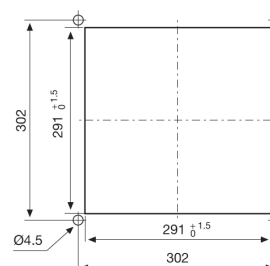
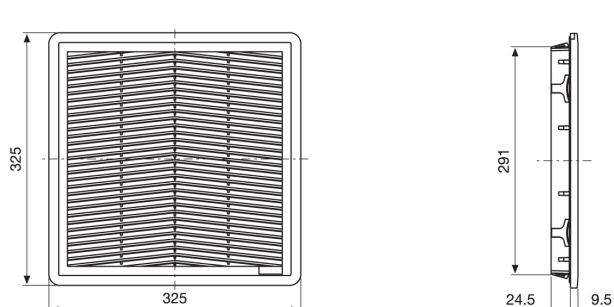
R5KF13



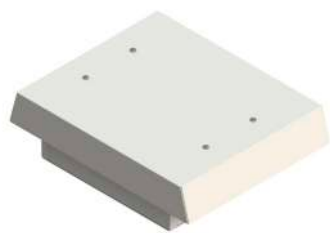
R5KF15



R5KF20

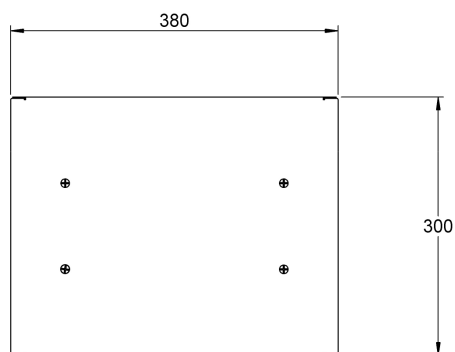
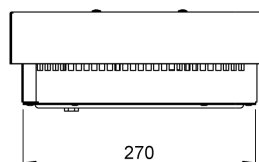
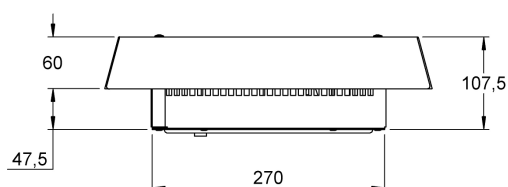


Roof exhaust unit 570 m³/h - 990 m³/h

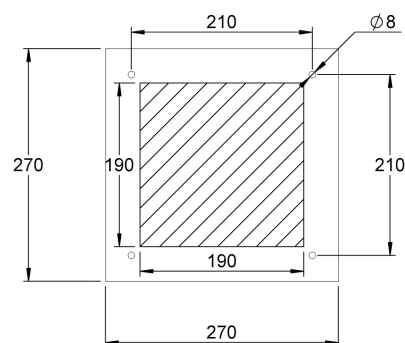


- Material: 12/10 thick sheet steel
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP33 as per EN 60529.
- Mounting: by means of 4 screws M6x30 mm
- Polyurethane gasket machinery applied
- Motor protection: thermal.
- Electrical connection: by means of a pre-assembled cable 3G0,75 mm²
- Other voltage on request

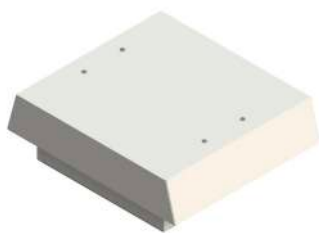
Voltage, Vac	Frequency, Hz	Absorption		Fan Refrigeration power, m ³ /h	Noise, (dB)	Operating temp. °C	Weight, kg	CE	Code
		A	W						
230	50/60	0,3/0,4	61/84	570	75	-20 + 50	5,5	■	R5T19230
230	50/60	0,5/0,7	117/151	990	75	-20 + 50	6,2	■	R5T22230



DIMA DI FORATURA

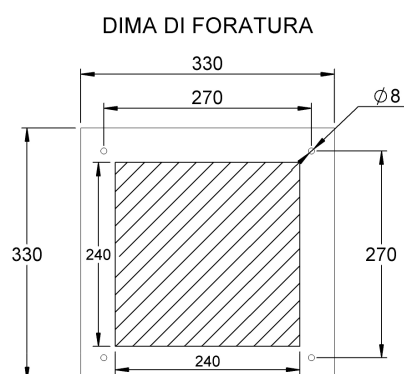
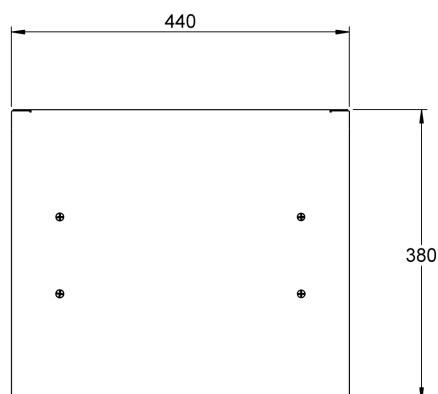
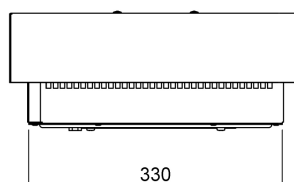
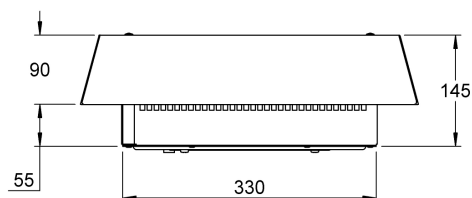


Roof exhaust unit 1190 m³/h - 1450 m³/h



- Material: 12/10 thick sheet steel
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP33 as per EN 60529.
- Mounting: by means of 4 screws M6x30 mm
- Polyurethane gasket machinery applied
- Motor protection: thermal.
- Electrical connection: by means of a pre-assembled cable 3G0,75 mm²
- Other voltage on request

Voltage, Vac	Frequency, Hz	Absorption		Fan Refrigeration power, m ³ /h	Noise, (dB)	Operating temp. °C	Weight, kg	CE	Code
		A	W						
230	50/60	0,6/0,9	145/205	1190	77	-20 + 50	9	■	R5T23230
230	50/60	0,8/1,1	192/250	1450	78	-20 + 50	9,5	■	R5T25230

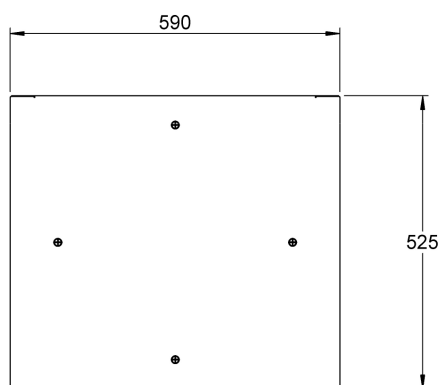
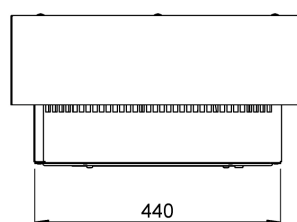
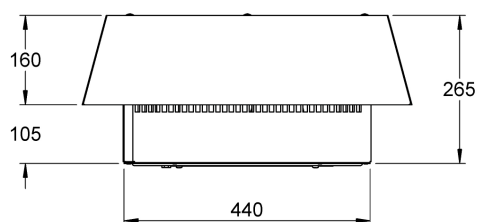


Roof exhaust unit 2550 m³/h

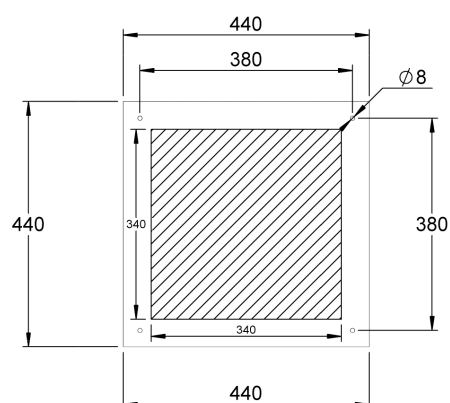


- Material: 12/10 thick sheet steel
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP33 as per EN 60529.
- Mounting: by means of 4 screws M6x30 mm
- Polyurethane gasket machinery applied
- Motor protection: thermal.
- Electrical connection: by means of a pre-assembled cable 3G0,75 mm²
- Other voltage on request

Voltage, Vac	Frequency, Hz	Absorption		Fan Refrigeration power, m ³ /h	Noise, (dB)	Operating temp. °C	Weight, kg	CE	Code
		A	W						
230	50/60	1,1/1,4	243/350	2550	78	-20 + 50	22	■	R5T31230



DIMA DI FORATURA



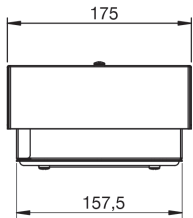
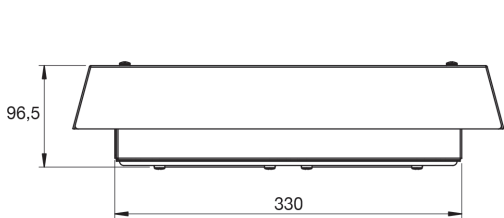
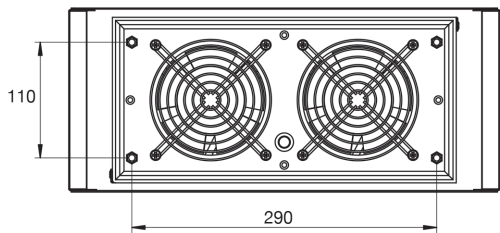
Roof exhaust unit "FLAT"



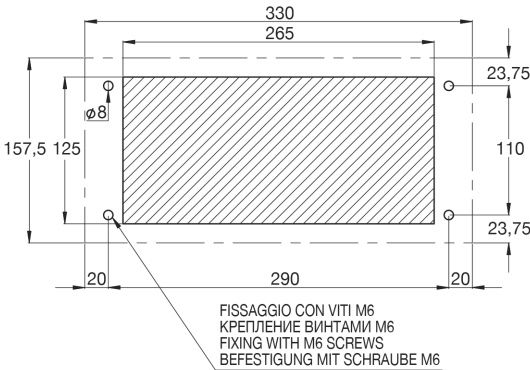
- Material: 10/10 thick sheet steel
- Standard color: RAL 7035. Other colors available upon request.
- Protection degree: IP23 as per EN 60529.
- Mounting: by means of 4 screws M6x30 mm
- Polyurethane gasket machinery applied
- Motor protection: thermal.
- Electrical connection: by means of a pre-assembled cable 3G0,75 mm²
- Other voltage on request



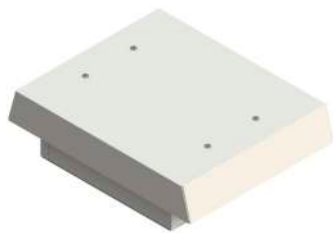
Voltage, Vac	Frequency, Hz	Absorption		Fan Refrigeration power, m³/h	Noise, (dB)	Operating temp. °C	Weight, kg	CE	Code
		A	W						
230VAC	50/60	0,28	44	320	46	-10 +70	3,5	■	R5T12230
24VDC		0,42	10,4	320	46	-10 +70	3,5	■	R5T1224



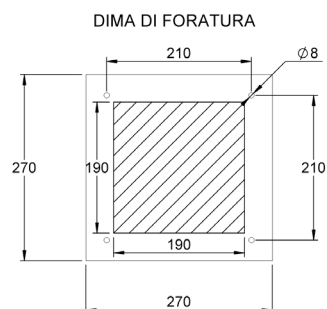
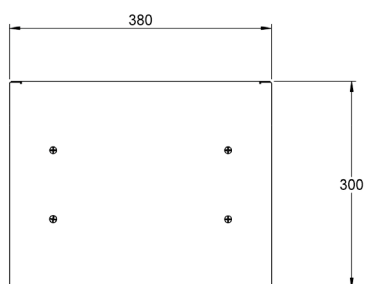
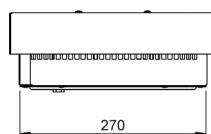
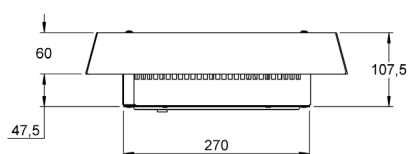
Dima di foratura



Vent cover


Code: R5T19

- Material: 12/10 thick sheet steel
- Standard color: RAL 7035. Other colors available upon request
- Protection degree: IP33 as per EN 60529 standard
- Mounting: by means of 4 screws M6x30 mm
- Polyurethane gasket machinery applied



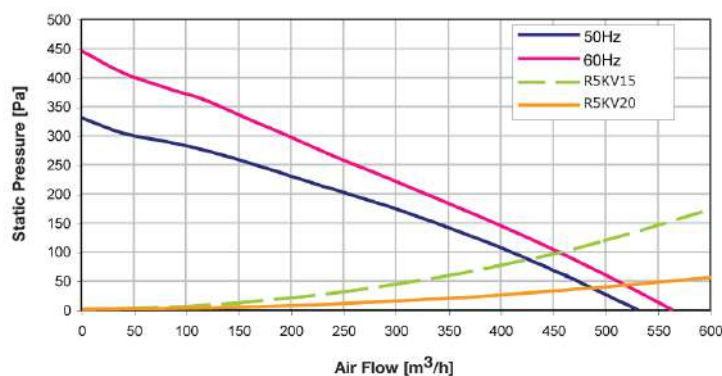
IP 54 Roof exhaust unit



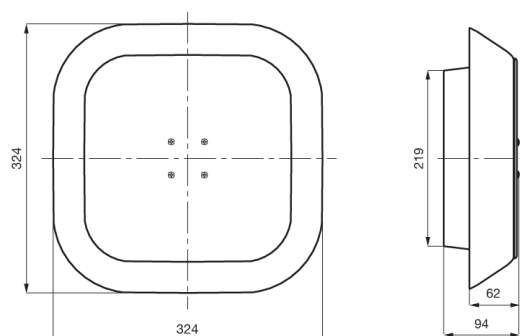
- Material: PC/ABS UV resistant and aluminium
- Standard color: RAL 7035. Other colors available upon request
- Version UL on request
- Protection degree: IP54 as per EN 60529 standard
- Mounting: by means of 8 screws 4x16 mm for thermoplastic material
- Mounting range: whatever.
- Storing temperature: from -20°C to +60°C.
- Lifespan L10 at 25°C 80% RH: 75.000 h at 50 Hz, 80.000 at 60 Hz for R5KTEV115; 59.000 h at 50 Hz, 73.000 at 60 Hz for R5KTEV230.
- Motor protection: thermal.
- Electrical connection: by means of a three-pole L-N-PE terminal.
- Earthing connection: by means of a PE pole terminal.
- Application class: class I.
- Weight: 2,1 Kg

Voltage, Vac	Frequency, Hz	Absorption		Refrigeration power, m³/h	Pressure, Pa	Noise, dB (A)	Operating temp. °C	Approvals		Code
		A	W					CE	UL US	
115	50/60	0,62/0,64	66/74	420/460	340/455	67,9/71,0	-10 + 60	■		R5KTEV115
230	50/60	0,309/0,360	70/83	420/460	340/455	67,9/71,0	-10 + 60	■		R5KTEV230

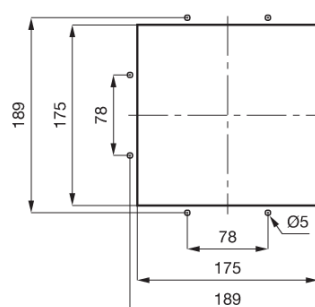
Refrigeration power



Dimensions (mm)



Drilling pattern (mm)



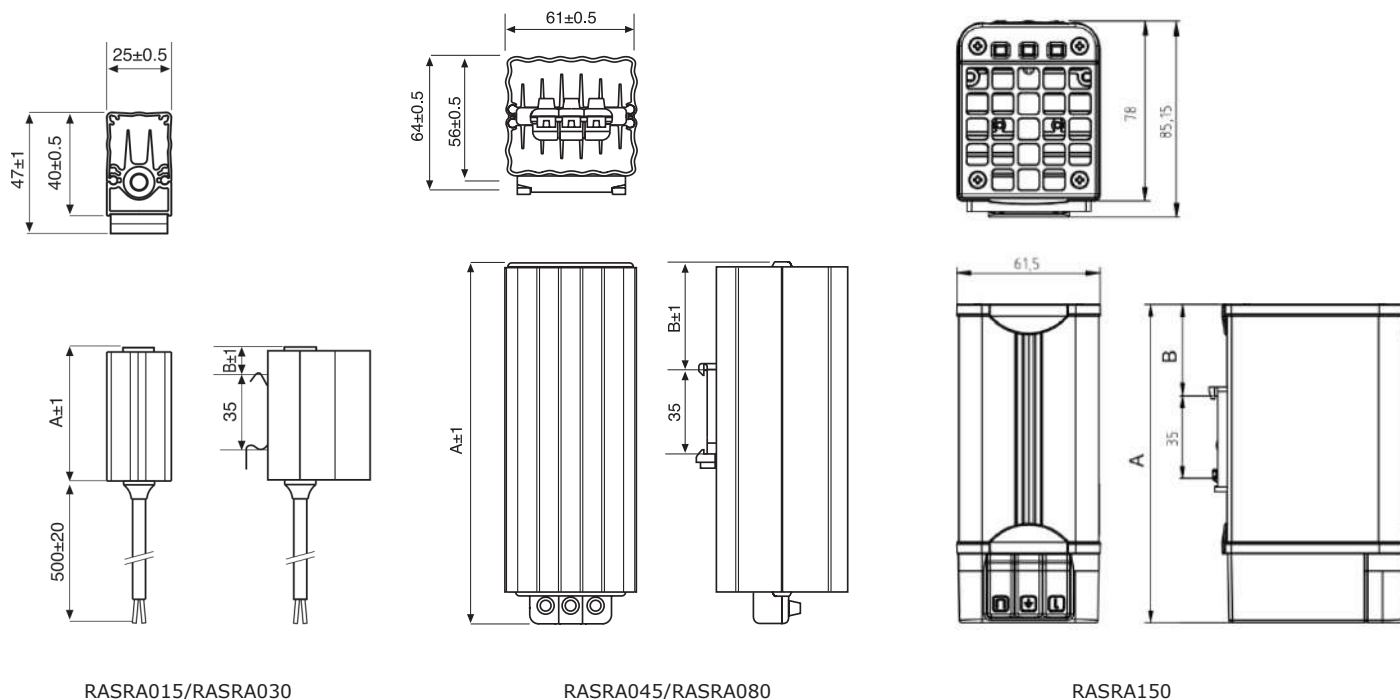
Anti-condensation heaters



- The heaters constituted by an auto-regulating PTC resistor and a case of black anodized aluminium guarantee a constant operating safety preventing the formation of condensate inside electrical enclosures.
- Two versions are available:
 - with a connection cable (up to 30 W)
 - with a connection terminal (from 45 to 150 W)
- Prepared for mounting to a 35 mm guide as per EN 50022.
- Nominal frequency 50-60 Hz.
- IP50 protection degree as per EN 60529 for 15W and 30W, and IP20 as per EN 60529 for 45W and 150W.

Heating power	Absorbed current	Nominal voltage	Protection class	Code	Dimensions	
					A, mm	B, mm
15 W	65 mA	110-250 Vc.a.	II	RASRA015	72	20
30 W	130 mA	110-250 Vc.a.	II	RASRA030	102	35
45 W	200 mA	110-250 Vc.a.	I	RASRA045	117	34
80 W	390 mA	110-250 Vc.a.	I	RASRA080	167	58
150 W	770 mA	110-250 Vc.a.	I	RASRA150	238	90

Dimensions (mm)



Thermostat

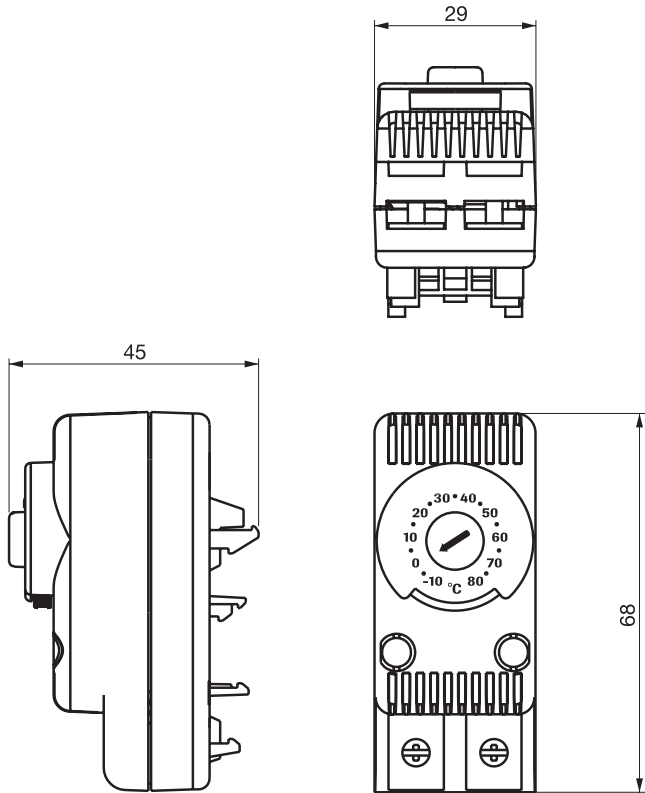


- Allow to monitor the temperature constantly when certain values must not be exceeded.
- Advisable for all applications, at which a cooling (NO blue knob) and/or heating (NC red knob) system is used.
- It is possible to define an operating temperature range in order to prevent potential alterations by inexperienced personnel.
- External case of auto-extinguishing plastic material as per UL94V-0.
- Protection degree: IP20 as per EN 60529.
- Thermostats are easy to fix by means of the accessory provided within the delivery set.

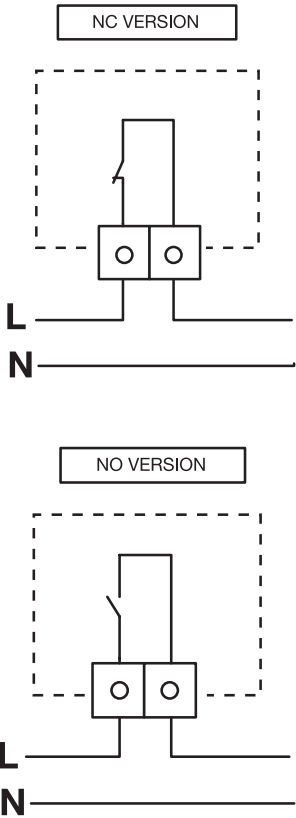
Nominal current	Nominal voltage	Contact flow	Contact rating	Regulation range	Accuracy	Code
10 A (6*)	110-250 Vc.a.-50/60 Hz	15 A	NO	-10°C ~ +80°C	±3° K	RATMS01
10 A (6*)	110-250 Vc.a.-50/60 Hz	15 A	NC	-10°C ~ +80°C	±3° K	RATMS02

* () inductive load with $\varphi=0,6$

Dimensions (mm)



Connection layouts



Humidistat

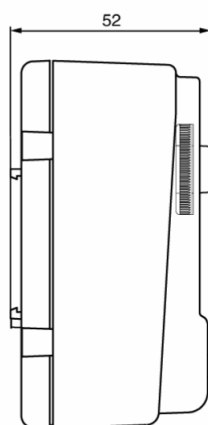
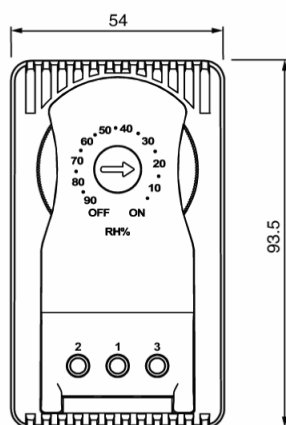


Code: RATMS10

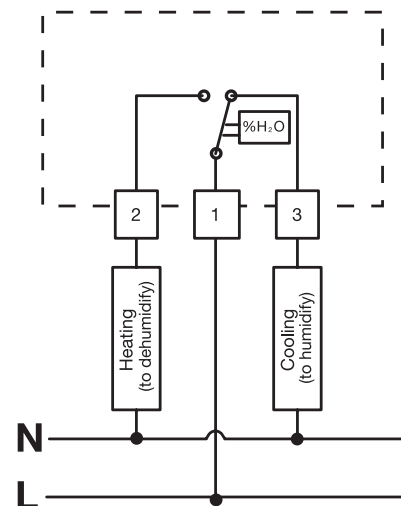
- Allows to control constantly the humidity inside electrical enclosures activating the anti-condensate heaters or fans, when the set air humidity value is exceeded.
- PC/ABS External case.
- Protection degree: IP20 as per EN 60529.
- To be click-mounted to a 35 mm guide, as per EN 50022.
- Electrical connection with terminals by means of screws.

Nominal current	Nominal voltage	Switch difference		Regulation range	Accuracy
		Medium	Max		
10-5 A	120-240 Vc.a. - 50/60 Hz	5 (%U.R.)	10 (%U.R.)	10~90 (%U.R.)	±5 (%U.R.)

Dimensions (mm)



Connection layouts





CE Boxes

CE Boxes	268
Accessories	272

CE boxes

CE boxes are produced with the help of the most up-to-date manufacturing systems. All the production cycles are carried out by automatic machines, which guarantee the maximum precision and reliability of the product.

The structure is manufactured of 15/10 thick sheet steel with continuous welding of the joints. The front boarder, folded several times, protects the structure from the ingress of water, in case of its accidental accumulation thereon.

The box **bottom** has a widely dimensioned opening, purposed to allow the passage of cables, with a cover plate complete with a seal, which is not prominent and can be mounted by means of self-tapping screws.

There are four holes on the box rear side located in the corners purposed for wall mounting with or without mounting brackets (code: RZA50). The delivery set includes rubber plugs for these holes.

The sides are provided with four M6 studs purposed for accessories mounting, such as internal doors (code R5IE) or modular racks (code R5TM) or 19" rotating racks (code R5TIE).

Doors are manufactured of 15/10 thick sheet steel for boxes with the height up to 800 mm, 20/10 thick steel for boxes with a major height. It is possible to install two bars perforated with 25 mm (code RZS) pitch inside the doors. In addition to reinforcing the door, these bars allow an easy fastening of any type of component.

The doors are reversible (with left-hand or right-hand opening), available in blank or glazed version. Glazed doors are protected by 4 mm thick safety glass. Internal instrument support doors (code R5IE) are hinged, provided with a locking element and are adjustable in depth.

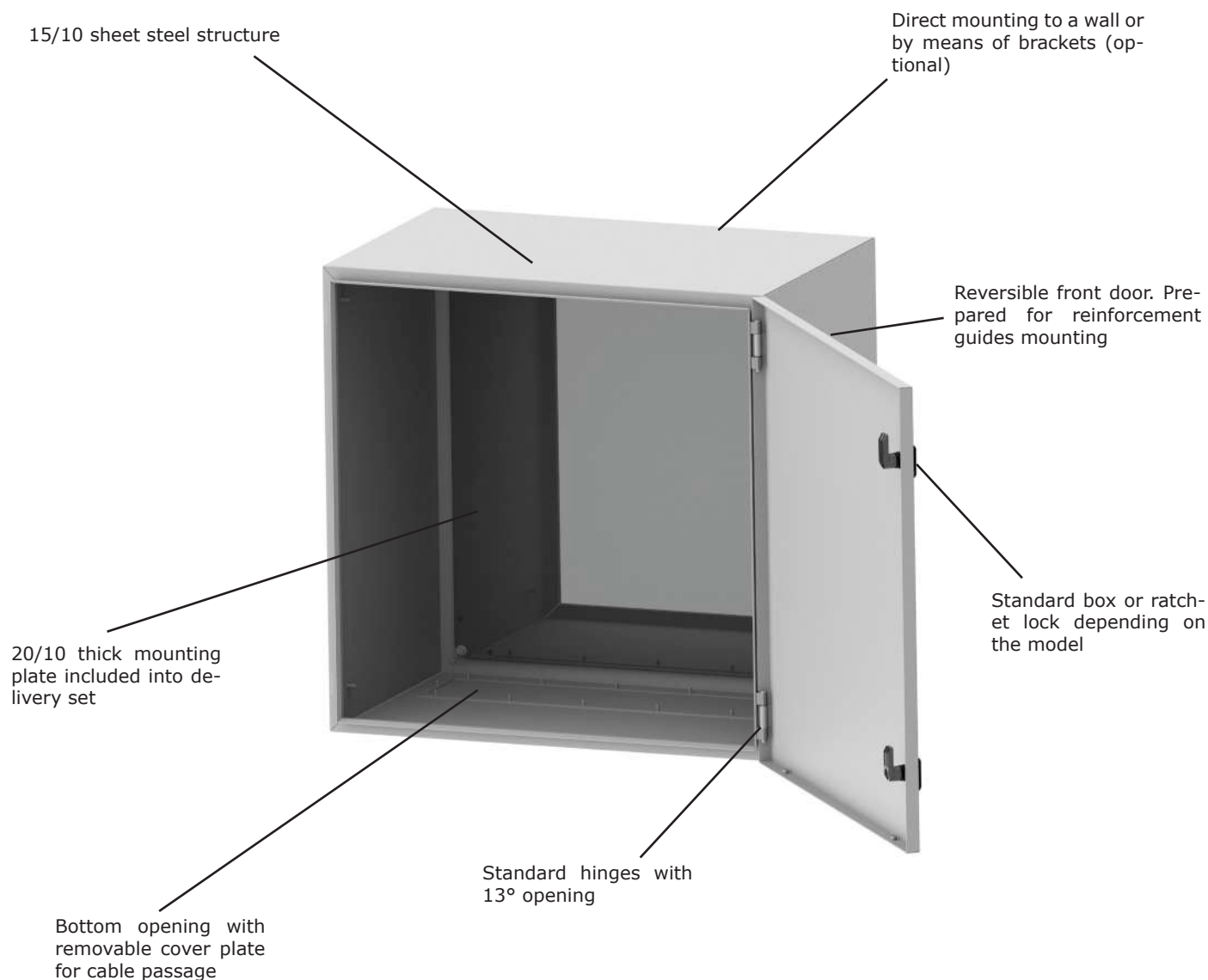
Solid hinges, invisible from outside, guarantee a wide door opening of about 130°. The sealing is ensured by a special polyurethane seal applied directly to the door by continuous molding. Painting is performed with epoxy-polyester powders of textured RAL 7035 color.

Other colors are available upon request.

All the models have an internal panel (**mounting panel**) made of 20/10 thick Sendzimir galvanized steel for a better potential equalization. A wide range of accessories guarantees a maximum versatility of the products.

The protection degree is different depending on the box type and is indicated for each model.





Wide range of completing accessories.

Inner doors, rotating racks and DIN guide modular panels may be used for internal arrangement.

Conformity and Approvals



Protection degree

- IP 55 as per IEC EN 62208; EN 60529
- TYPE 4 as per UL508A; UL50 (single door) - TYPE 12 as per UL508A; UL50 (double door)
- The protection degree is guaranteed by a seal of two-component polyurethane foam
- Impact resistance degree IK10 as per IEC EN 62208; EN 50102

CE Boxes



STRUCTURE

15/10 thick sheet steel, painted textured RAL 7035.

MOUNTING PANEL

20/10 thick galvanized steel.

DOOR

Reversible, with one locking element (two locking elements for height over 500 mm), painted textured RAL 7035, provided with a seal applied by continuous molding.

Impact resistance degree as per IEC EN 62208: IK10

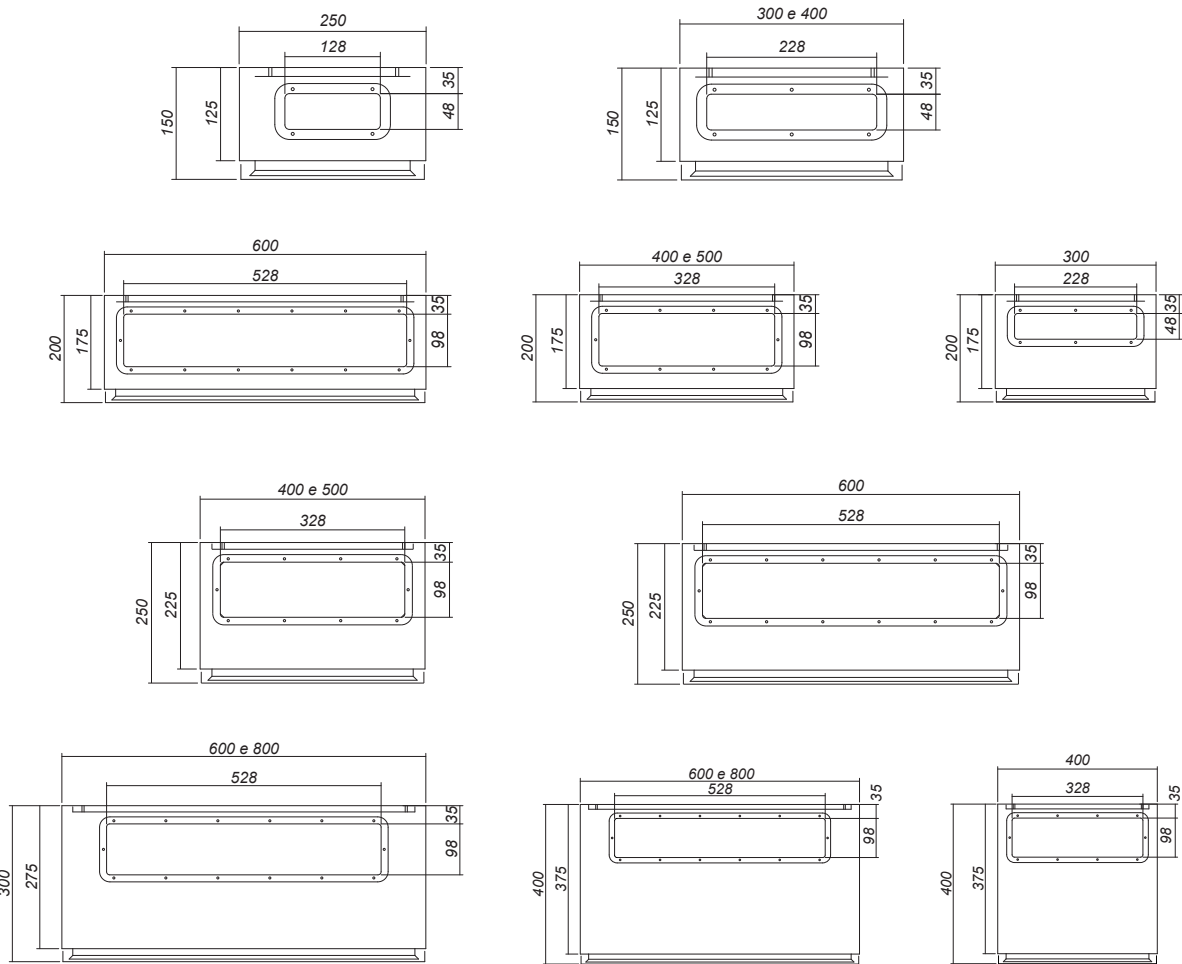
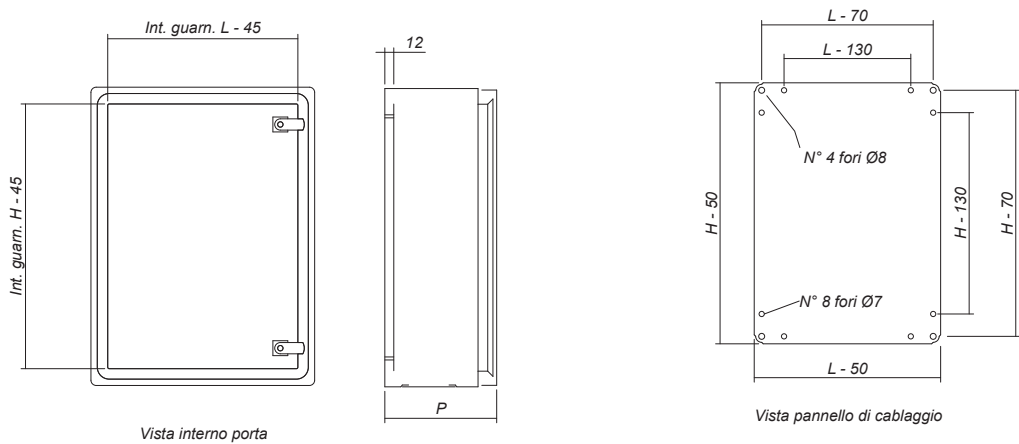
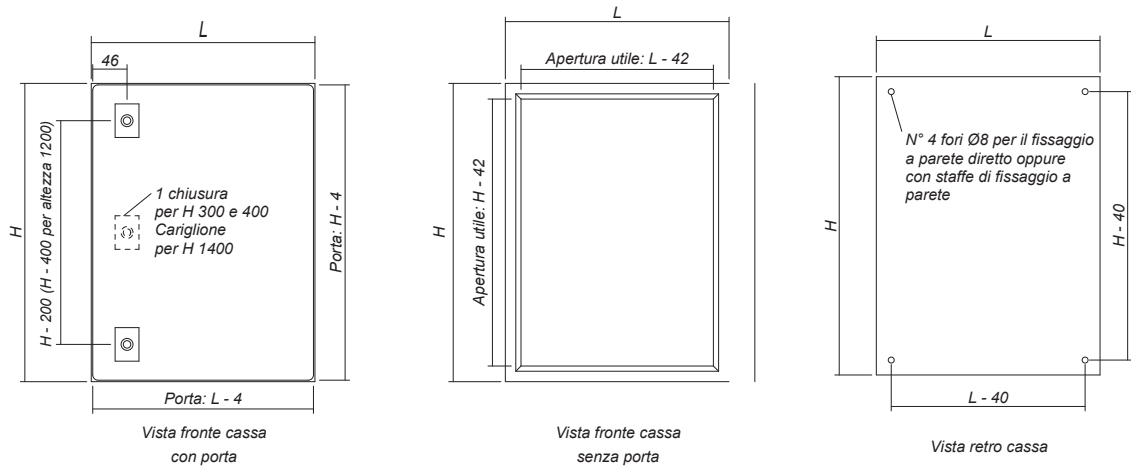
CABLE GLAND PLATE

Appropriately dimensioned and located on the box bottom.

COMPOSITION

Structure, mounting panel, door, cable gland plate, set of fasteners

Dimensions			Locking element	Protection degree	Code
Height, H	Width, L	Depth, P			
300	250	150	Box, 1	IP 66 complies with TYPE 4	R5CE0391
	300		Box, 1		R5CE0331
	400		Box, 1		R5CE0341
400	300	150	Box, 1		R5CE0431
500	300		Box, 2		R5CE0531
400	300	200	Box, 1		R5CE0432
	400		Box, 1		R5CE0442
	600		Box, 1		R5CE0462
500	300		Box, 2		R5CE0532
	400		Box, 2		R5CE0542
	500		Box, 2		R5CE0552
600	400		Box, 2		R5CE0642
700	500		Box, 2		R5CE0752
500	400	250	Box, 2		R5CE0549
600	400		Box, 2		R5CE0649
	600		Box, 2		R5CE0669
700	500		Box, 2		R5CE0759
800	600		Box, 2		R5CE0869
1000	600		Box, 2		R5CE1069
800	600	300	Box, 2		R5CE0863
	800		Box, 2		R5CE0883
1000	600		Box, 2		R5CE1063
	800		Box, 2		R5CE1083
1200	600		Box, 2		R5CE1263
	800		Box, 2		R5CE1283
1400	600		Ratchet		R5CE1463
	800		Ratchet		R5CE1483
600	400	400	Box, 2		R5CE0644
	600		Box, 2		R5CE0664
800	600		Box, 2		R5CE0864
	800		Box, 2		R5CE0884
1000	600		Box, 2		R5CE1064
	800		Box, 2		R5CE1084
1200	600		Box, 2		R5CE1264
	800		Box, 2		R5CE1284



CE boxes with double door



STRUCTURE

15/10 thick sheet steel, painted textured RAL 7035.

MOUNTING PANEL

20/10 thick galvanized steel.

DOOR IN TWO HALF

reversible, painted textured RAL 7035, provided with a seal applied by continuous molding.

Impact resistance degree as per IEC EN 62208: IK10

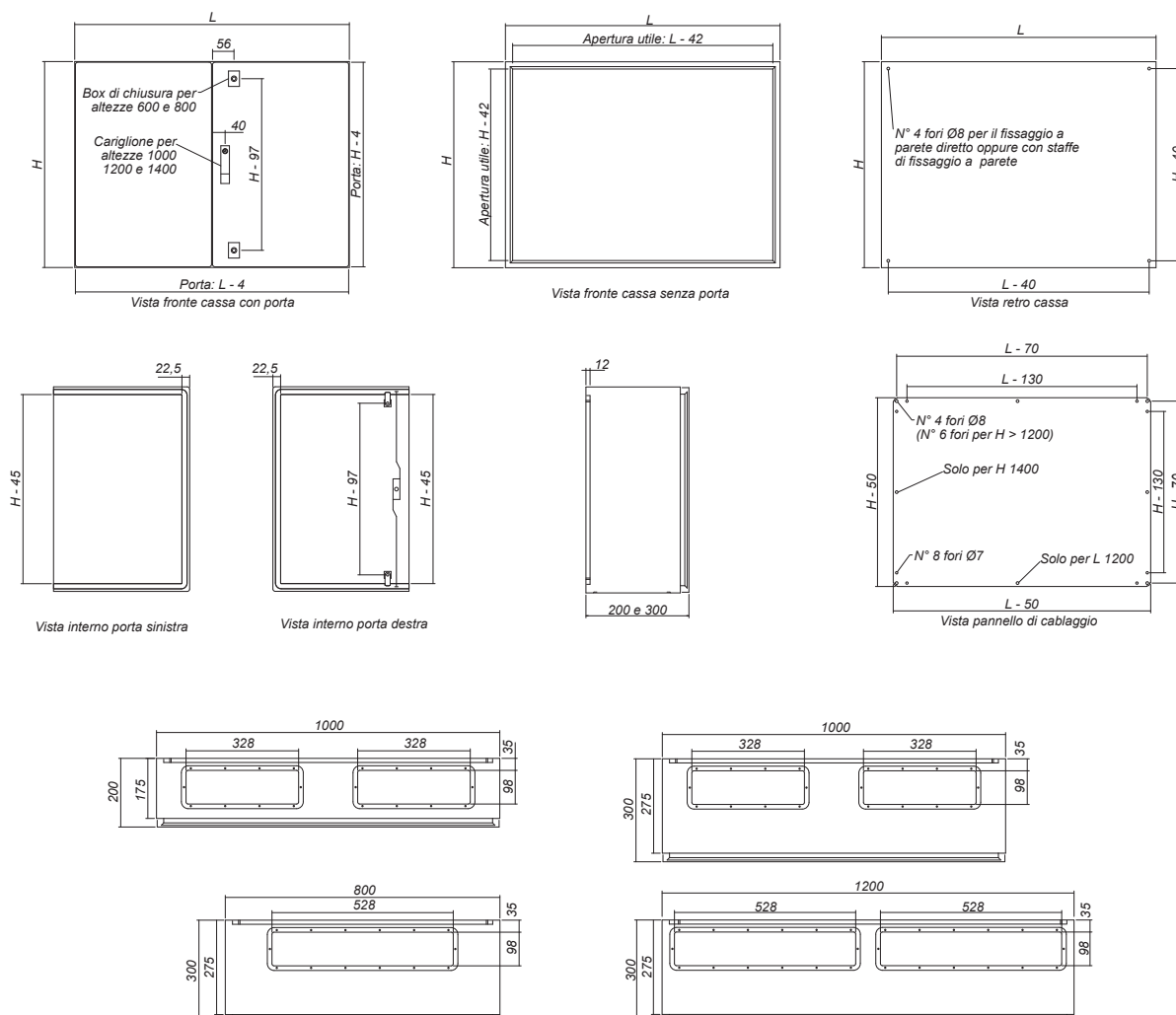
CABLE GLAND PLATE

Appropriately dimensioned and located on the box bottom.

COMPOSITION

Structure, mounting panel, door, cable gland plate, set of fasteners.

Dimensions			Locking element	Protection degree	Code
Height, H	Width, L	Depth, P			
600	800	300	A box, 2	IP 55 complies with TYPE 12	R5CE0683
	1000		A box, 2		R5CE0613
	1200		A box, 2		R5CE06123
800	1000	200	A box, 2		R5CE0812
		300	A box, 2		R5CE0813
1000			A cariglione		R5CE1013
1200			A cariglione		R5CE1213
1400			A cariglione		R5CE1413
1200			A cariglione		R5CE12123



CE boxes with glazed door



STRUCTURE

15/10 thick sheet steel, painted textured RAL 7035.

MOUNTING PANEL

20/10 thick galvanized steel.

DOOR

Reversible, with one locking element (two locking elements for height over 500 mm), painted textured RAL 7035, provided with a seal applied by continuous molding. The door cutout is protected by 4 mm thick safety glass.

Impact resistance degree as per IEC EN 62208: IK09

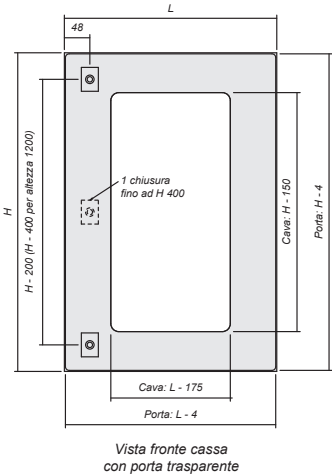
CABLE GLAND PLATE

Appropriately dimensioned and located on the box bottom.

COMPOSITION

Structure, mounting panel, door, cable gland plate, set of fasteners.

Dimensions			Locking element	Protection degree	Code
Height, H	Width, L	Depth, P			
400	300	200	A box, 1	IP 66	R5CEX0432
400	400		A box, 1		R5CEX0442
400	600		A box, 1		R5CEX0462
500	300		A box, 2		R5CEX0532
500	400		A box, 2		R5CEX0542
500	500		A box, 2		R5CEX0552
600	400		A box, 2		R5CEX0642
700	500		A box, 2		R5CEX0752
500	400	250	A box, 2		R5CEX0549
600	400		A box, 2		R5CEX0649
600	600		A box, 2		R5CEX0669
700	500		A box, 2		R5CEX0759
800	600		A box, 2		R5CEX0869
1000	600		A box, 2		R5CEX1069
800	600	300	A box, 2		R5CEX0863
1000	600		A box, 2		R5CEX1063
1000	800		A box, 2		R5CEX1083
1200	600		A box, 2		R5CEX1263
1200	800		A box, 2		R5CEX1283
600	600	400	A box, 2		R5CEX0664
800	600		A box, 2		R5CEX0864
1000	800		A box, 2		R5CEX1084
1200	600		A box, 2		R5CEX1264



CE boxes with screen-printed glazed door



STRUCTURE

15/10 thick sheet steel, painted textured RAL 7035.

MOUNTING PANEL

20/10 thick galvanized steel.

DOOR

Reversible with two locking elements, painted textured RAL 7035, provided with a seal applied by continuous molding. The door cutout is protected by a screen-printed smoked safety glass.

Impact resistance degree as per IEC EN 62208: IK09

CABLE GLAND PLATE

Appropriately dimensioned and located on the box bottom.

COMPOSITION

Structure, mounting panel, door, cable gland plate, set of fasteners.

Dimensions			Locking element	Protection degree	Code
Height, H	Width, L	Depth, P			
600	600	200	Box	IP 66	R5CEXD0662
800			Box		R5CEXD0862
1000			Box		R5CEXD1062
1200			Box		R5CEXD1262

Accessories

Wall mounting bracket

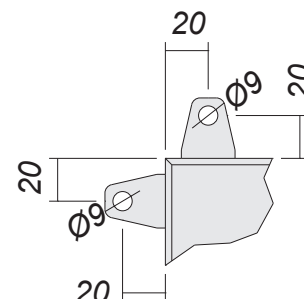


Code: RZA50

- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Particularly suitable for wall-mounting of boxes.
- Pack of 4 pieces complete with fasteners.
- Max. allowable load: 4x60 kg.

Code: RZA55

- Manufactured of 30/10 thick Sendzimir galvanized steel.
- Particularly suitable for wall-mounting of heavy-duty boxes.
- Pack of 4 pieces complete with fasteners.
- Max. allowable load: 4x100 kg.



Code: RZA62

- Manufactured of 25/10 thick Magnelis® galvanized steel.
- Particularly suitable for wall-mounting of heavy-duty boxes.
- Pack of 4 pieces complete with fasteners.
- Max. allowable load: 4x100 kg.

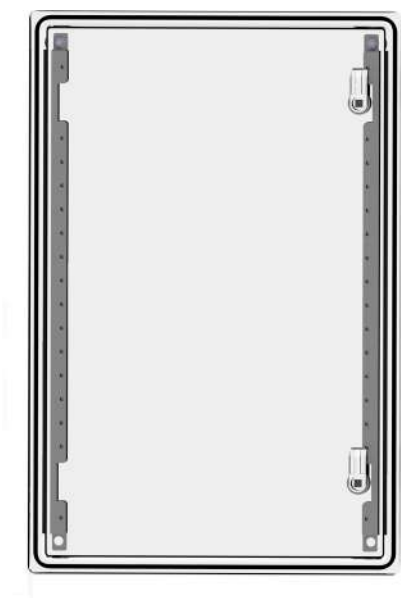
Protective canopy



- Manufactured of 15/10 thick sheet steel, painted textured RAL 7035 with epoxypolyester powders.
- Pack of 1 piece complete with fasteners necessary for mounting.

Width, L	Depth, P	Code
400	200	R5TT042
500	200	R5TT052
400	250	R5TT049
500	250	R5TT059
600	250	R5TT069
600	300	R5TT063
800	300	R5TT083

Door reinforcement guides



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- 4.2 mm holes with 25 mm pitch.
- Pack of 2 pieces complete with fasteners.

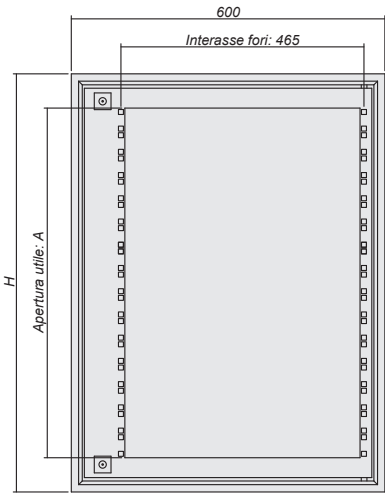
Height, H	Code
500	RZS50
600	RZS60
700	RZS70
800	RZS80
1000	RZS100
1200	RZS120
1400	RZS140

Rotating rack



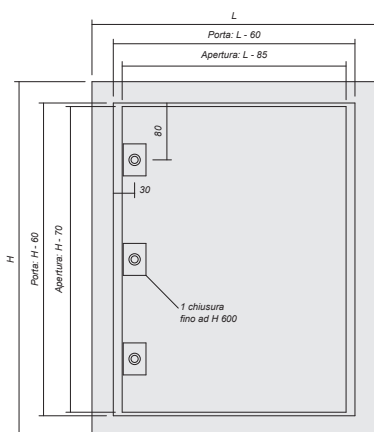
- 19" Rack and door of 15/10 thick sheet steel, painted textured RAL 7035.
- Fixed with 2 closing points.
- Max. opening of 110° approximately.
- 19" rack drawers max. depth 215 mm.
- Adjustable mounting depth: 40 to 60 mm.
- Applicable only to boxes with the width of 600 mm and depth of 300 and 400 mm.
- Pack of 1 piece complete with fasteners.

Dimensions			HE unit height,	A	Code
Height, H	Depth, P	Width, L			
400	300	600	3	135	R5TIE460
400	300	600	6	268	R5TIE461
600	400	600	9	402	R5TIE660
800	300 - 400	600	12	535	R5TIE860
800	300 - 400	600	15	668	R5TIE861



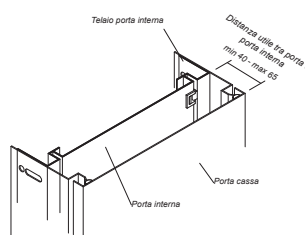
Vista fronte cassa con telaio rack 19"

Internal door



- Manufactured of 15/10 thick sheet steel, painted RAL 7035.
- Adjustable in depth, min. 40 mm – max. 65 mm.
- Provided with one closing point (two closing points for height 700 and above).
- Installable to boxes with whatever depth.
- Pack of 1 piece complete with fasteners.
- Mountable to boxes with the depth of 150 to 400 mm.

Dimensions		Locking element	Protection degree	Code
Height, H	Width, L			
400	300	Box, 1	IP 20	R5IE43
400	400	Box, 1	IP 20	R5IE44
400	600	Box, 1	IP 20	R5IE46
500	300	Box, 1	IP 20	R5IE53
500	400	Box, 1	IP 20	R5IE54
500	500	Box, 1	IP 20	R5IE55
600	400	Box, 1	IP 20	R5IE64
600	600	Box, 1	IP 20	R5IE66
700	500	Box, 2	IP 20	R5IE75
800	600	Box, 2	IP 20	R5IE86
1000	600	Box, 2	IP 20	R5IE16
1000	800	Box, 2	IP 20	R5IE18
1200	600	Box, 2	IP 20	R5IE26
1200	800	Box, 2	IP 20	R5IE28



Modular frame



NOTES

Available in various height and width configurations.
It is possible to mount several 180 mm high doors only to 600 mm wide frames.
Mountable to boxes with the depth of 150 to 400 mm.
Frame to door distance ≤ 47 mm.

STRUCTURE

15/10 thick sheet steel, painted textured RAL 7035. Assembly ready to be mounted to a box. It is demand only the assembly in the box.

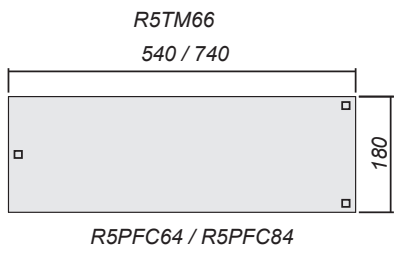
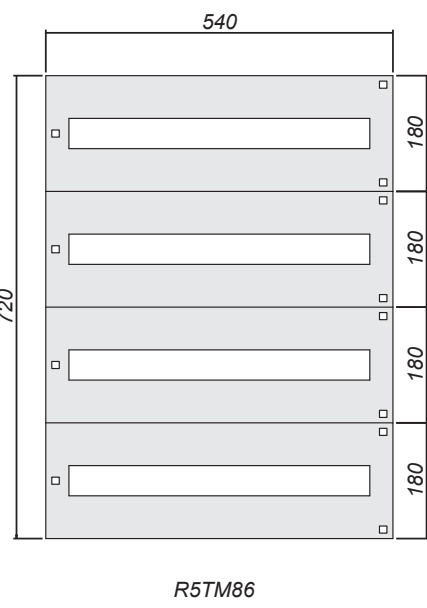
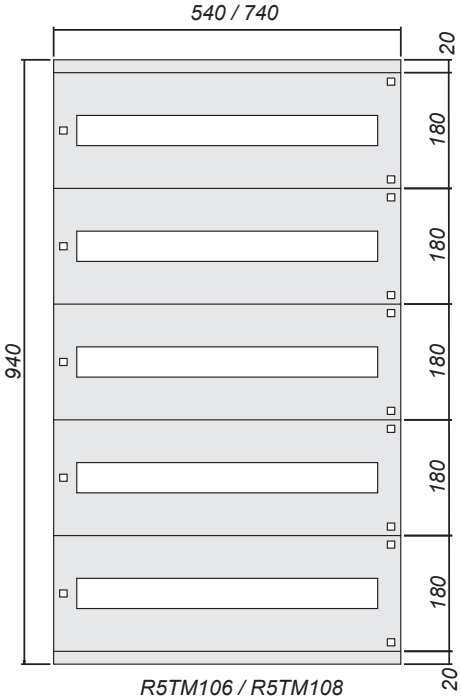
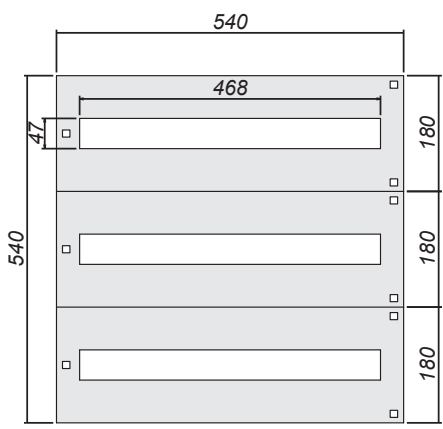
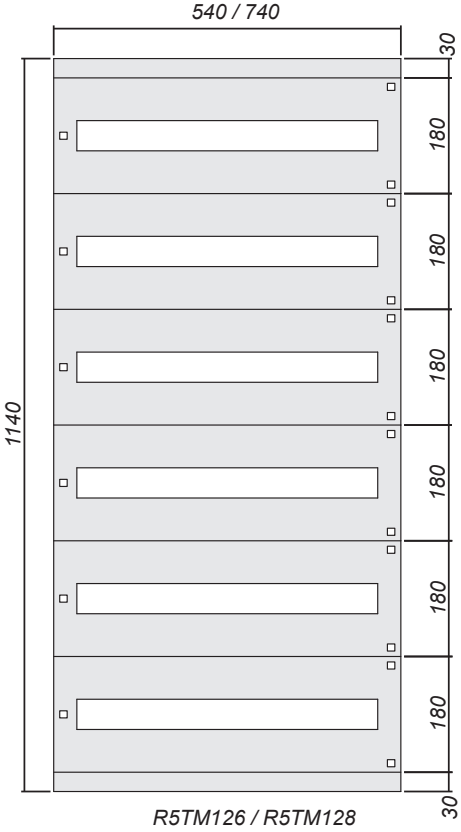
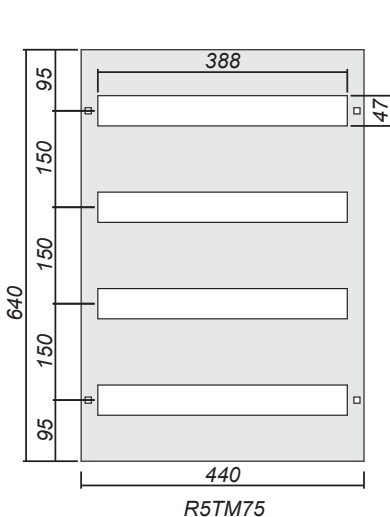
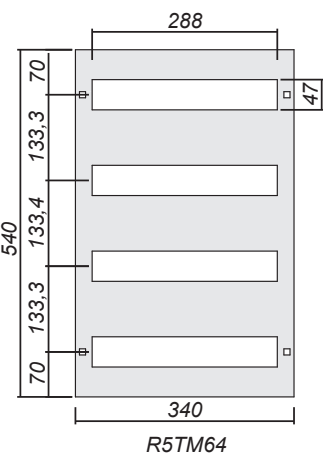
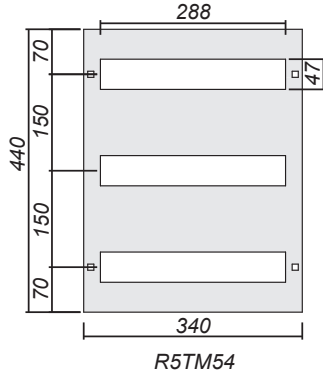
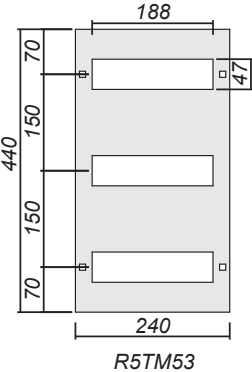
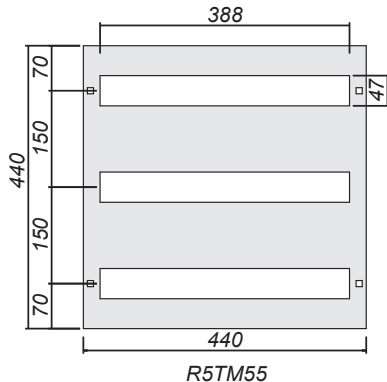
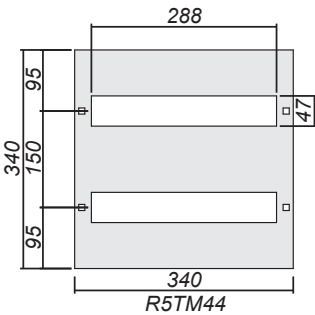
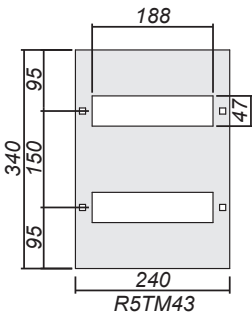
FRONT DOOR

15/10 thick sheet steel, painted textured RAL 7035, grooved and fixed to the frame by means of hinges. Provided with captive screws. Each modular cut-out is complete with a DIN guide.

COMPOSITION

Structure, front door(s), mounting accessories.

Dimensions		Q-ty of modules	Protection degree	Code
Height, H	Width, L			
400	300	20 (2x10)	IP 20	R5TM43
400	400	32 (2x16)	IP 20	R5TM44
500	300	30 (3x10)	IP 20	R5TM53
500	400	48 (3x16)	IP 20	R5TM54
500	500	63 (3x21)	IP 20	R5TM55
600	400	64 (4x16)	IP 20	R5TM64
700	500	84 (4x21)	IP 20	R5TM75
600	600	78 (3x26)	IP 20	R5TM66
800	600	104 (4x26)	IP 20	R5TM86
1000	600	130 (5x26)	IP 20	R5TM106
1200	600	156 (6x26)	IP 20	R5TM126
1000	800	180 (5x36)	IP 20	R5TM108
1200	800	216 (6x36)	IP 20	R5TM128
180	600	blank	IP 20	R5PFC64
180	800	blank	IP 20	R5PFC84



Door stop



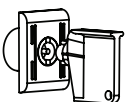
Code: RZA31

- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Designed to prevent accidental door closing by blocking it in opened position at 90°.
- Pack of 1 piece complete with mounting accessories

Box lock



** Insert to be mounted instead of standard inserts (double-bit Ø 3 mm).

Locking element view	Description	Code
	Locking element complete with double-bit lock insert Ø 3 mm	RPCE205

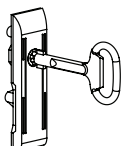
Insert view	Description**	Code	
		Plastic Key	Insert
	double-bit lock insert Ø 3 mm	RPCE240	RZCE261
	Triangle 8 mm	RPCE246	RZCE224
	Triangle 7 mm	RPCE245	RZCE223
	"FIAT" Type	RZCE237*	RZCE226
	Square 7 mm	RPCE243	RZCE221
	Complete lock (with equal keys)	RZCE227*	
	Complete lock (with different keys)	RZCE228*	

* metal key

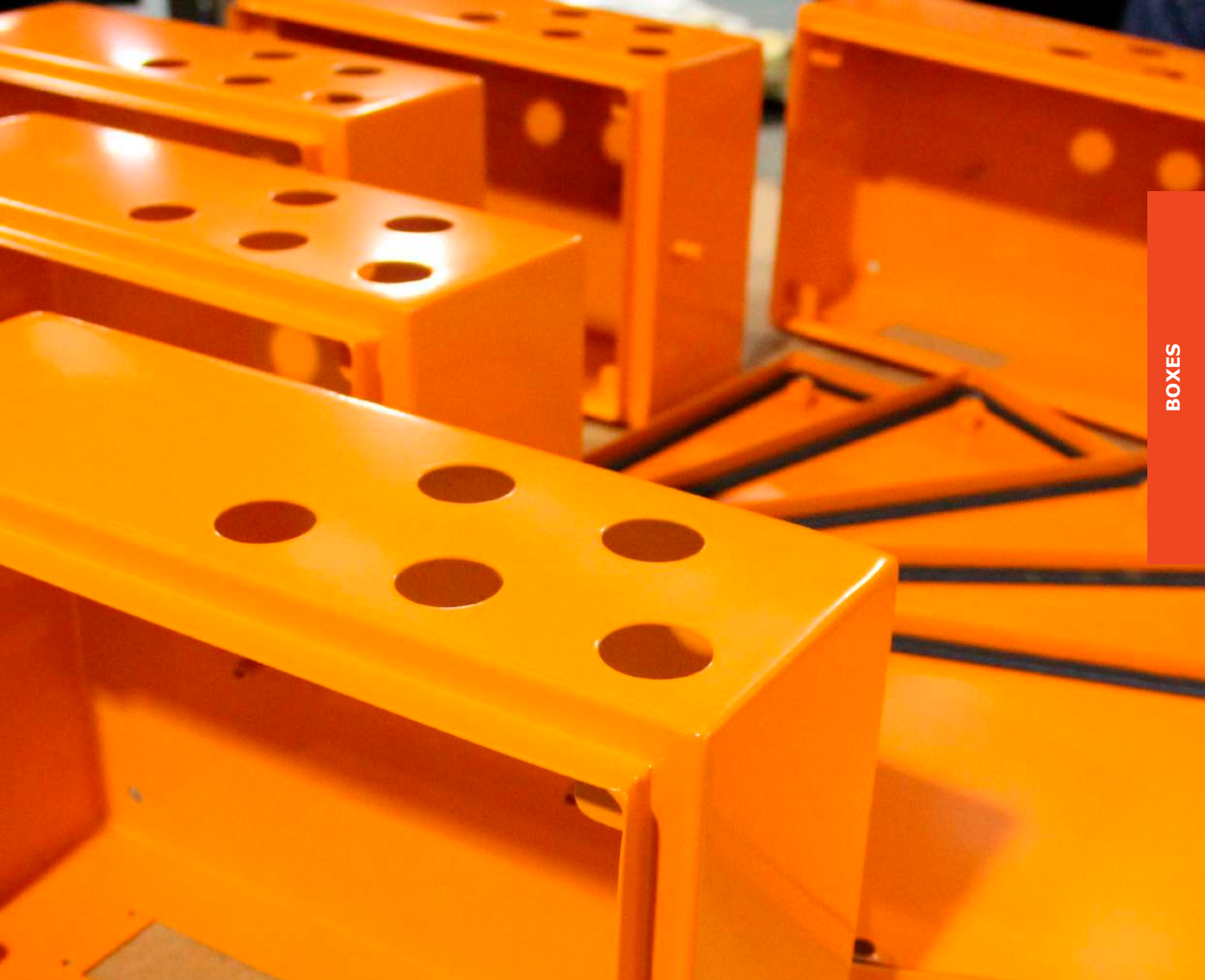
Ratchet lock



** Insert to be mounted instead of standard inserts (double-bit Ø 3 mm).

Locking element view	Description	Code
	Locking element complete with double-bit lock insert Ø 3 mm	RZCE200

Insert view	Description**	Code	
		Metal key	Insert
	double-bit lock insert Ø 3 mm	RZCE230	RZCE219
	Triangle 8 mm	RZCE236	RZCE214
	Triangle 7 mm	RZCE235	RZCE213
	Square 8 mm	RZCE234	RZCE212
	Square 7 mm	RZCE233	RZCE211



CDE junction boxes

CDE junction boxes	280
Accessories	283

CDE boxes

The **structure** of CDE boxes is manufactured of 10/10 thick sheet steel by continuous welding of the joints. The front boarder folded several times impedes the ingress of water, in case of its accidental accumulation on the structure.

Special guides perforated with 25 mm pitch and electrically welded are provided inside the boxes, suitable to mount the accessories necessary for cabling (35 mm guide or mounting plate).

There are four holes on the box rear side located in the corners purposed for wall mounting with or without mounting brackets (code: RZA50). The delivery set includes rubber plugs for these holes.

This line of boxes is available in three versions (blank, with cable entry flanges or hinged covers) in order to meet the requirements of the customers.

Having a great versatility and being usable for whatever application, the boxes are:

- Ideal as junction boxes for electrical equipment of machines
- Suitable as an enclosure for remote I/O.

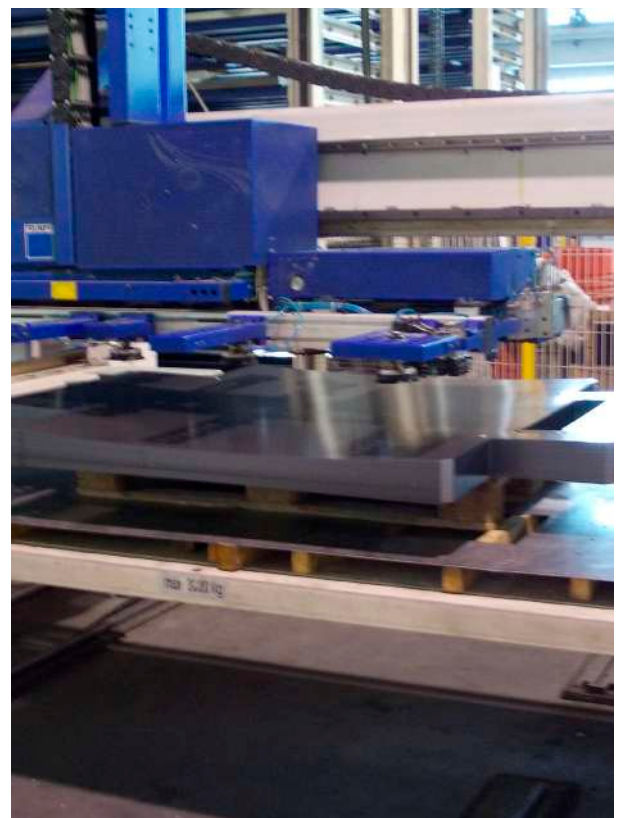
Blank **doors**, hinged covers and cable entry flanges maintain a high IP protection degree with the help of a special polyurethane seal applied by continuous moulding.

Standard painting is made with epoxy-polyester powder of textured RAL 7035 color. Other colors are available upon request.

The internal panel (**mounting panel**) for all the models is made of 20/10 thick Sendzimir galvanized steel for a better potential equalization. The panel is to be ordered separately as an accessory.

The protection degree is different depending on the box type and is indicated for each model.

It is also available in EMC version for a protection against electromagnetic interferences.



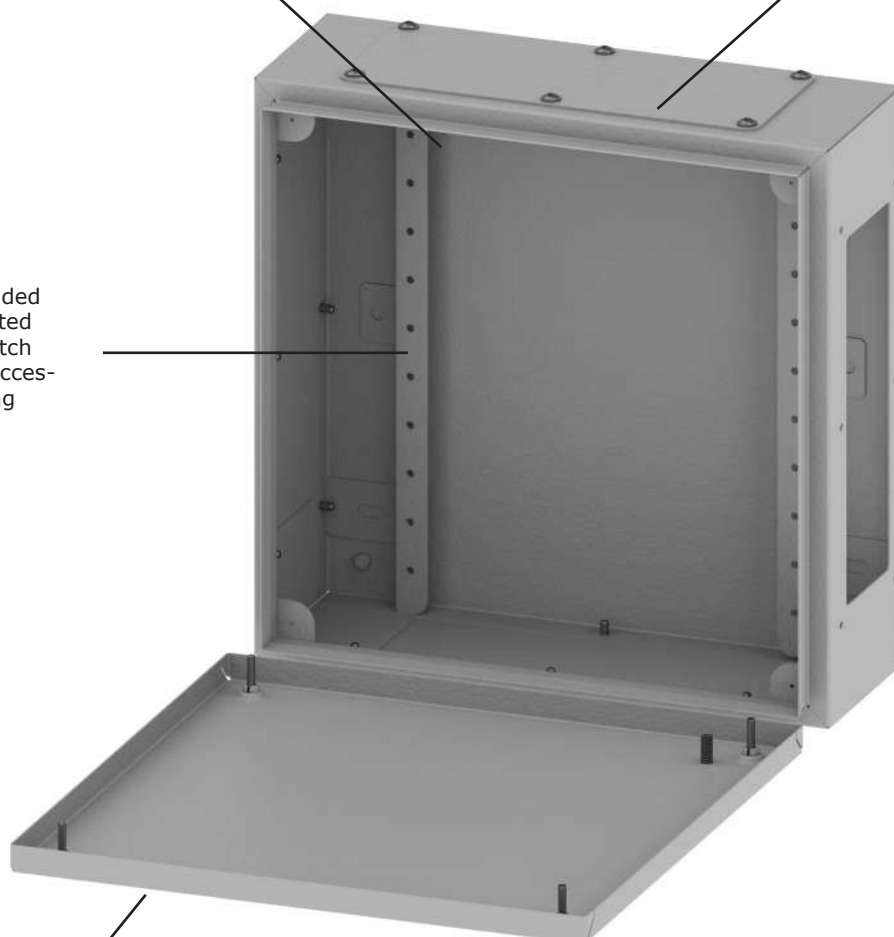
Structure manufactured of sheet steel.

Available in two versions:
with or without flanges with
removable blanking plates.

Direct mounting to a wall
or by means of brackets
(optional)

Electrically welded
guides perforated
with 25 mm pitch
purposed for acces-
sories mounting

Screwed or hinged cover depending on
the model chosen.



**Wide range of
completing acces-
sories.**

*Galvanized mounting
plates or DIN profiles
(to be ordered sepa-
rately) may be used
for internal arrange-
ment.*

Conformity and Approvals



Protection degree

- IP 55 as per IEC EN 62208; EN 60529
- TYPE 4/12 (depending on the version) as per UL508A; UL50
- The protection degree is guaranteed by a seal of two-component polyurethane foam
- Impact resistance degree IK10 as per IEC EN 62208; EN 50102

Junction boxes



STRUCTURE

10/10 thick sheet steel, painted textured RAL 7035.

DOOR OR HINGED COVER

Painted textured RAL 7035, provided with a seal applied by continuous moulding.

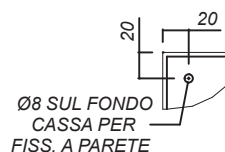
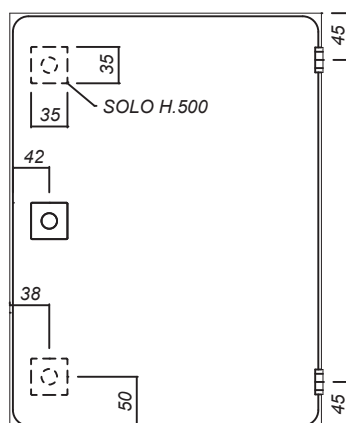
COMPOSITION

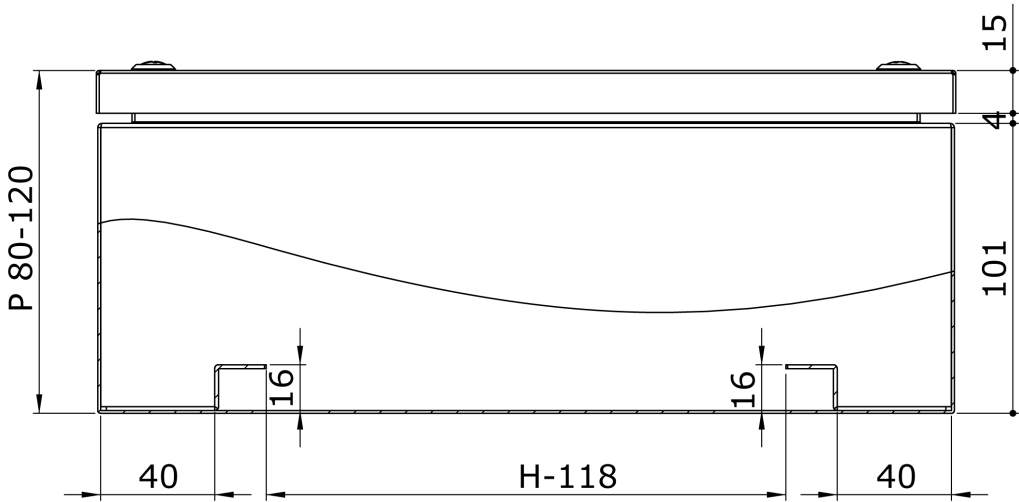
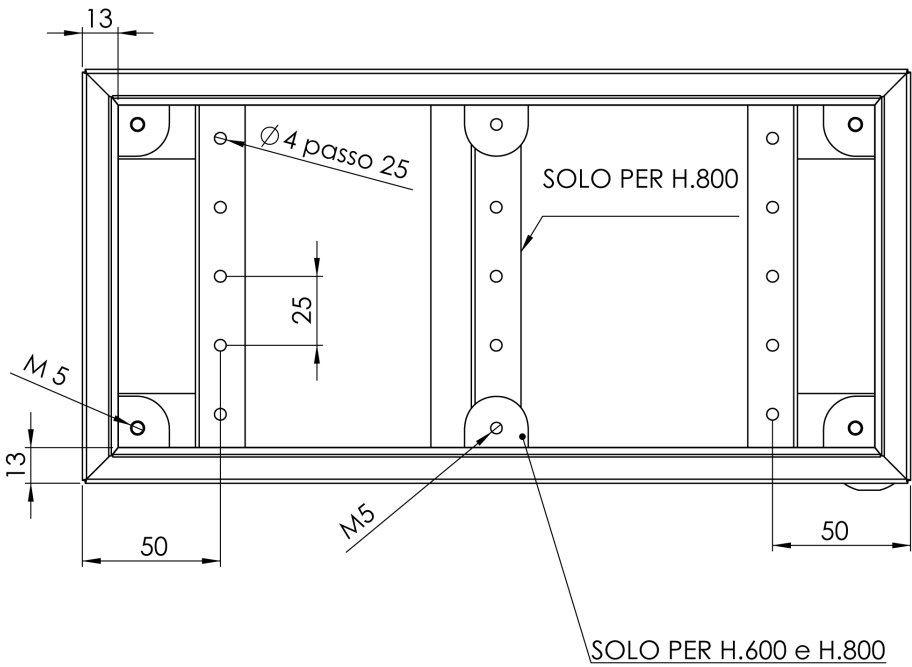
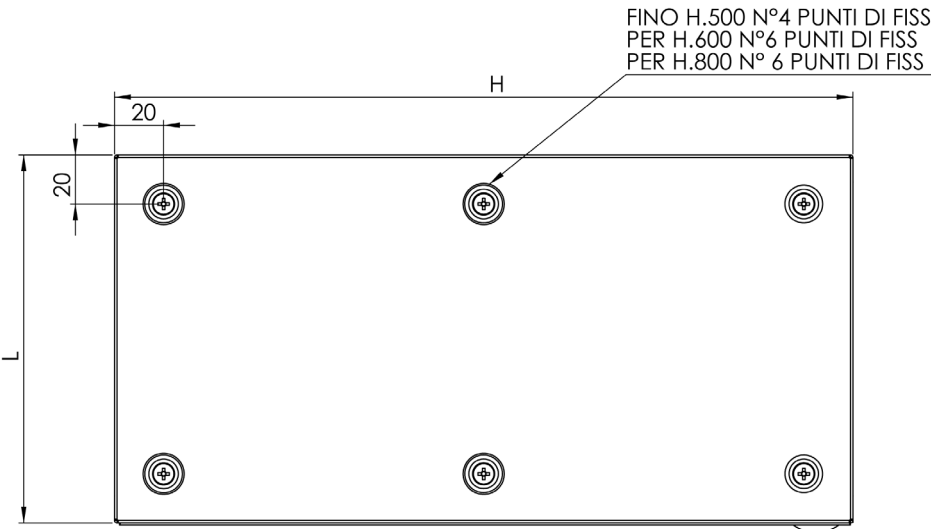
Structure, door or cover, set of fasteners

Mechanical resistance degree as per IEC EN 62208: IK10

Dimensions			Box without flanges IP 66 complies with TYPE 4	Box with hinged door IP 55 complies with TYPE 12
Height, H	Width, L	Depth, P		
150	150	80	R5CDE1180	-
180	150	80	R5CDE9180	-
200	180	80	R5CDE2980	-
200	200	80	R5CDE2280	R5CDE2280C
300	150	80	R5CDE3180	-
300	200	80	R5CDE3280	R5CDE3280C
400	200	80	R5CDE4280	R5CDE4280C
600	200	80	R5CDE6280	-
800	200	80	R5CDE8280	-
150	150	120	R5CDE11120	-
200	200	120	R5CDE22120	R5CDE22120C
300	150	120	R5CDE31120	-
300	200	120	R5CDE32120	R5CDE32120C
300	300	120	R5CDE33120	R5CDE33120C
400	200	120	R5CDE42120	R5CDE42120C
400	300	120	R5CDE43120	R5CDE43120C
400	400	120	R5CDE44120	-
500	200	120	R5CDE52120	R5CDE52120C
500	300	120	R5CDE53120	-
600	200	120	R5CDE62120	-
600	300	120	R5CDE63120	-
600	400	120	R5CDE64120	-
800	200	120	R5CDE82120	-
800	400	120	R5CDE84120	-

CASSA CON PORTA INCERNIERATA
apertura 180°





CDE junction boxes with flanges


STRUCTURE

10/10 thick sheet steel, painted textured RAL 7035.

DOOR

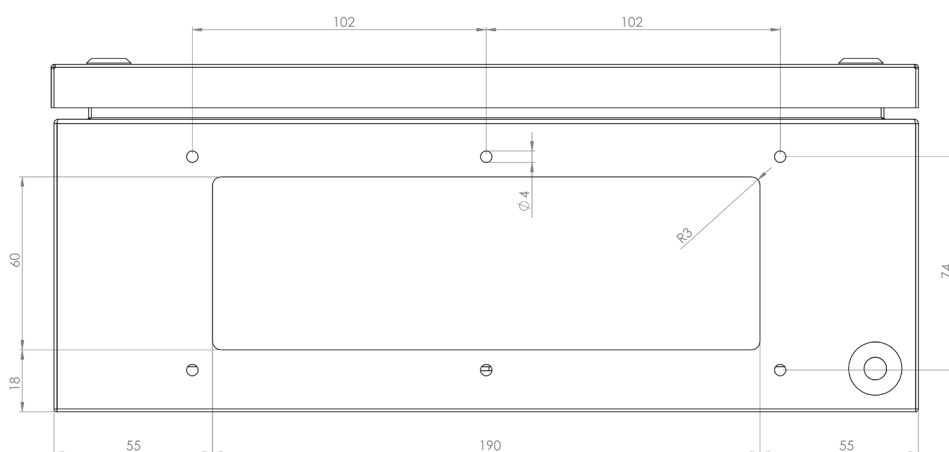
Painted textured RAL 7035, provided with a seal applied by continuous moulding.

COMPOSITION

Structure, door, set of fasteners.

Mechanical resistance degree as per IEC EN 62208: IK10

Dimensions			Box with hinged door IP 55 complies with TYPE 12	Quantity of flanges
Height, H	Width, L	Depth, P		
300	200	120	R5CDE32120F	2 flanges on 300 side
300	300	120	R5CDE33120F	4 flanges on all side
400	200	120	R5CDE42120F	2 flanges on 400 side
400	300	120	R5CDE43120F	4 flanges on all side
400	400	120	R5CDE44120F	4 flanges on all side
500	200	120	R5CDE52120F	2+2 flanges on 500 side
500	300	120	R5CDE53120F	2+2 flanges on 500 side (N1+1) on 300 side
600	200	120	R5CDE62120F	2+2 flanges on 600 side
600	300	120	R5CDE63120F	2+2 flanges on 600 side (N1+1) on 300 side
600	400	120	R5CDE64120F	2+2 flanges on 600 side (N1+1) on 400 side
800	200	120	R5CDE82120F	3+3 flanges on 800 side
800	400	120	R5CDE84120F	3+3 flanges on 800 side (N1+1) on 400 side

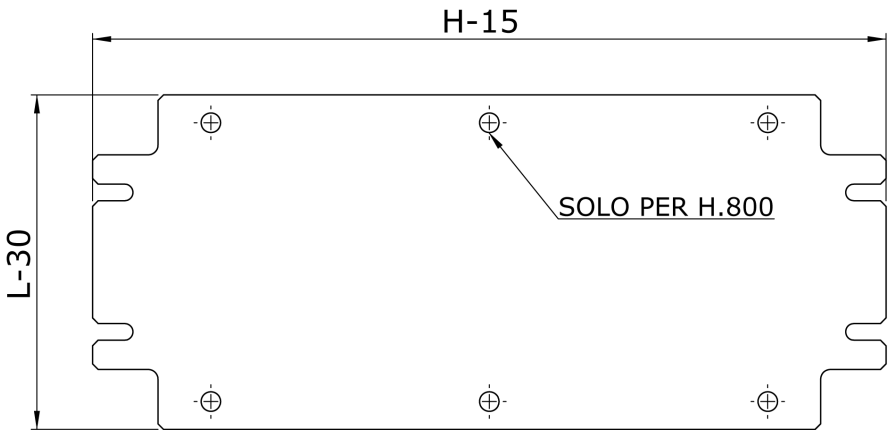


Internal plate for junction box



- Manufactured of 20/10 Sendzimir galvanized steel.
- Fixed to the enclosure by means of mounting bars provided inside the box.
- Complete with mounting accessories.

Dimensions		Code
Height, H	Width, L	
150	150	RZCDP11
180	150	RZCDP91
200	180	RZCDP29
200	200	RZCDP22
300	200	RZCDP32
400	200	RZCDP42
600	200	RZCDP62
800	200	RZCDP82
300	150	RZCDP31
300	300	RZCDP33
400	300	RZCDP43
400	400	RZCDP44
500	200	RZCDP52
500	300	RZCDP53
600	300	RZCDP63
600	400	RZCDP64
800	400	RZCDP84



DIN Profiles



- Mountable onto box rails
- Pack of 10 pieces
- Complete with mounting accessories

Box height, H	Code
150	RZCDO15 ¹
180	RZCDO18 ¹
200	RZCDO20 ¹
300	RZCDO30 ¹
400	RZCDO40 ¹
500	RZCDO50 ¹
600	RZCDO60 ²
800	RZCDO80 ²

1 - TS 35/7.5

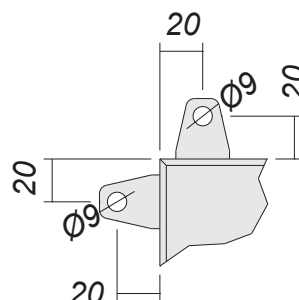
2 - TS 35/15

Wall-mounting bracket



Code: RZA50

- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Particularly suitable for boxes wall-mounting.
- Pack of 4 pieces complete with fasteners.
- Max. allowable load: 4x60 kg.



Code: RZA62

- Manufactured of 25/10 thick Magnelis® galvanized steel.
- Particularly suitable for boxes wall-mounting.
- Pack of 4 pieces complete with fasteners.
- Max. allowable load: 4x100 kg.

Hinges for junction boxes



Code: RZCDA02

Hinges manufactured of die-cast zamak.
Allow to transform a screwed cover into a hinged one.
Pack of 6 pieces complete with fasteners.



CE Boxes and stainless steel CDE junction boxes

CE stainless steel boxes	288
CDE stainless steel junction boxes	292
Accessories	293

Stainless steel box, CE and CDE series

The Ramblock range of structural work is extended with two new lines: AISI 304 and AISI 316 stainless steel boxes, CE and CDE series. Stainless steel is particularly suitable in all those sectors where a high standard of hygiene and corrosion resistance is required (food, chemical pharmaceutical, hospital).



Characteristics

Assortment

DKC offers a wide range of products including stainless steel boxes with single-leaf blank door, double-leaf blank door, screwed on cover and accessories. The accessories (internal partitions, fixing brackets, DIN profiles, door reinforcement guides, closure boxes) include both stainless steel products and standard codes found in the catalogue. RICE boxes are supplied complete with galvanized wiring panel and single or double leaf door. They do not have cable entry flanges. The RICDE junction boxes are supplied with a screwed on cover.

The boxes can be wall mounted, using the appropriate brackets, to be ordered separately, or fastened to the floor.

Characteristics

The whole range of stainless steel boxes have high protection ratings (IP66 / IP55 according to IEC EN 62208; EN 60529).

TYPE 4X / TYPE 12 according to UL508A; UL50) and impact resistance (IK10 according to IEC EN 62208). This high degree of protection means our stainless steel boxes can be installed in environments with harsh conditions.

These characteristics meet the needs of installations in, for example, the chemical-pharmaceutical, food and hospital sectors.

Where maximum hygiene, the highest resistance to corrosion and temperature variations are required, Ramblock stainless steel boxes are the ideal solution. The stainless steel boxes can also be installed outdoors.

Easy to install

All the boxes are supplied including assembly fasteners.





Conformity and Approvals



Protection degree

- IP 55 as per IEC EN 62208; EN 60529
- TYPE 4 as per UL508A; UL50 (single door) - TYPE 12 as per UL508A; UL50 (double door)
- The protection degree is guaranteed by a seal of two-component polyurethane foam
- Impact resistance degree IK10 as per IEC EN 62208; EN 50102

Stainless steel boxes with blank door series CE



STRUCTURE

AISI 304 stainless steel th. 12/10 - 15/10 (AISI 316 on request). Without entry cable flanges.

MOUNTING PANEL

20/10 thick galvanized steel.

DOOR

reversible, AISI 304 stainless steel th. 12/10 - 15/10 (AISI 316 on request), provided with a polyurethane two-component seal. AISI 316 stainless steel hinges.

COMPOSITION

Structure, mounting panel, door, set of fasteners.

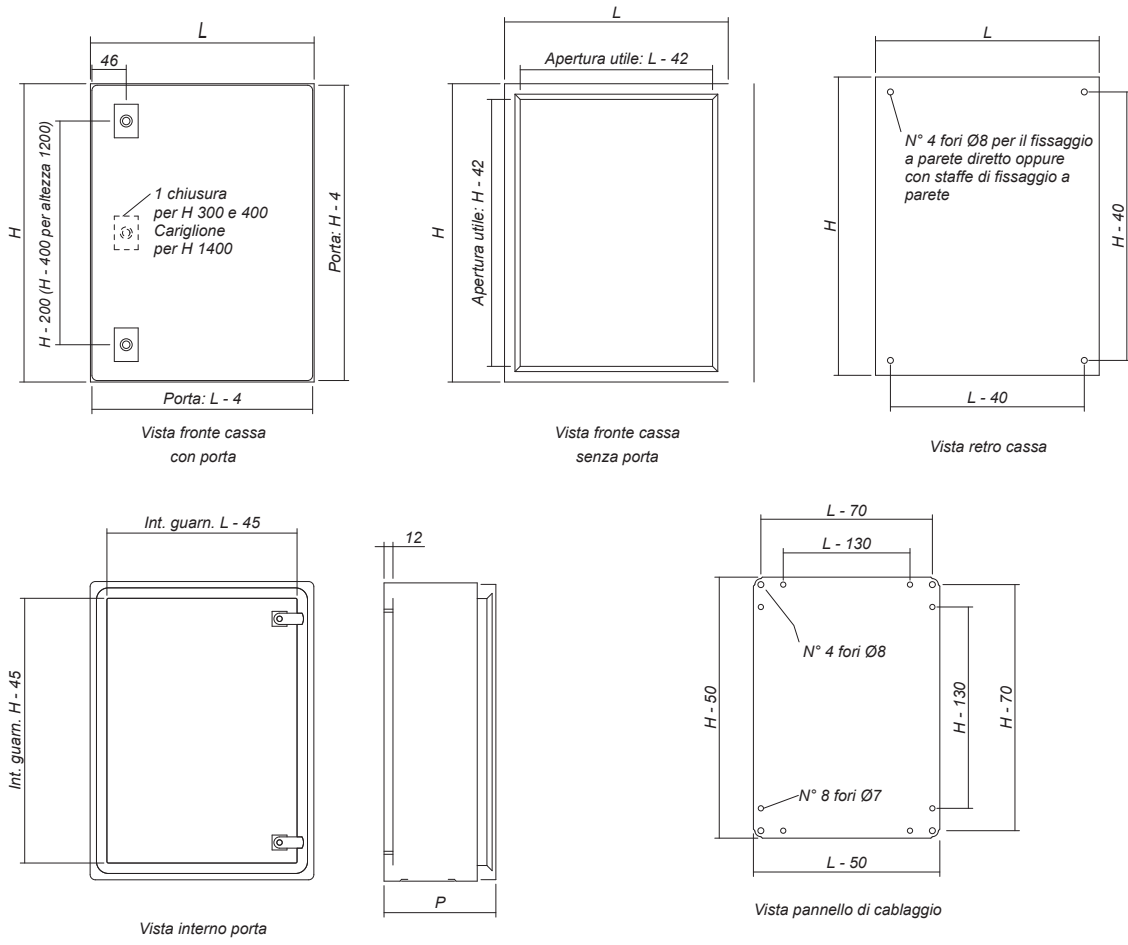
PROTECTION DEGREE

IP 66 according to IEC EN 62208; EN 60529.

TYPE 4X according to UL508A; UL50

Mechanical resistance degree as per IEC EN 62208: IK10

Depth	Dimensions, mm		Box without flange AISI 304
	Height	Width	
150	300	250	RICEB03911
	300	300	RICEB03311
	300	400	RICEB03411
	400	300	RICEB04311
	500	300	RICEB05311
200	400	300	RICEB04321
	400	400	RICEB04421
	400	600	RICEB04621
	500	300	RICEB05321
	500	400	RICEB05421
	500	500	RICEB05521
	600	400	RICEB06421
	700	500	RICEB07521
250	500	400	RICEB05491
	600	400	RICEB06491
	600	600	RICEB06691
	700	500	RICEB07591
	800	600	RICEB08691
	1000	600	RICEB10691
300	800	600	RICEB08631
	800	800	RICEB08831
	1000	600	RICEB10631
	1000	800	RICEB10831
	1200	600	RICEB12631
	1200	800	RICEB12831
	1400	600	RICEB14631
	1400	800	RICEB14831
400	600	400	RICEB06441
	600	600	RICEB06641
	800	600	RICEB08641
	800	800	RICEB08841
	1000	600	RICEB10641
	1000	800	RICEB10841



BOXES

Stainless steel boxes with double blank door series CE

BOXES



STRUCTURE

AISI 304 stainless steel th. 15/10 (AISI 316 on request). Without entry cable flanges.

MOUNTING PANEL

20/10 thick galvanized steel.

DOOR WITH TWO LEAVES

reversible, AISI 304 stainless steel th. 15/10 (AISI 316 on request), provided with a polyurethane two-component seal. AISI 316 stainless steel hinges.

COMPOSITION

Structure, mounting panel, door, set of fasteners.

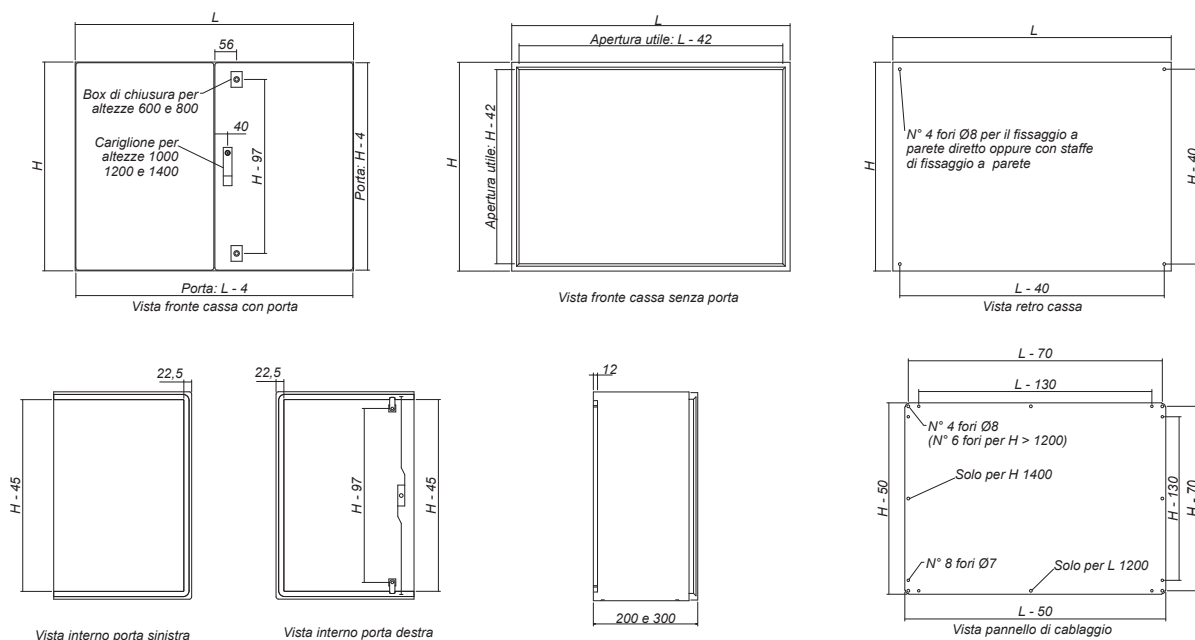
PROTECTION DEGREE*

IP 55 according to IEC EN 62208; EN 60529.

TYPE 12 according to UL508A; UL50

Mechanical resistance degree as per IEC EN 62208: IK10

Dimensions, mm			Box without flange AISI 304
Depth	Height	Width	
200	800	1000	RICEB08121
300	600	800	RICEB06831
	800	1000	RICEB08131
	1000	1000	RICEB10131
	1200	1000	RICEB12131
	1400	1000	RICEB14131
	1200	1200	RICEB121231



Common accessories

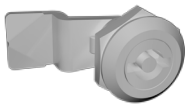
Wall mounting bracket



Code: RIA502

- Manufactured of AISI 316 stainless steel, th. 15/10.
- Particularly suitable for wall-mounting of boxes.
- Pack of 4 pieces complete with fasteners.
- Max. allowable load 4x60 Kg.

Box lock



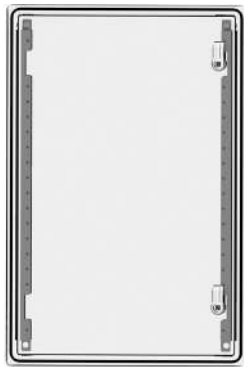
Code: RZCE206

- Box lock manufactured of chromed zamak complete with double-bit lock insert Ø 3 mm

Code: RICE313

- Box lock manufactured of AISI 316 stainless steel complete with double-bit lock insert Ø 3 mm

Door reinforcement guides



- Manufactured of 15/10 thick Sendzimir galvanized steel.
- 4.2 mm holes with 25 mm pitch.
- Pack of 2 pieces complete with fasteners.

Height, H	Code
500	RZS50
600	RZS60
700	RZS70
800	RZS80
1000	RZS100
1200	RZS120
1400	RZS140

Stainless steel boxes with screwed blank door series CDE



STRUCTURE

AISI 304 stainless steel (AISI 316 on request) th. 12/10.

SCREWED COVER

AISI 304 stainless steel (AISI 316 on request) th. 12/10 with a polyurethane two-component seal.

PROTECTION DEGREE*

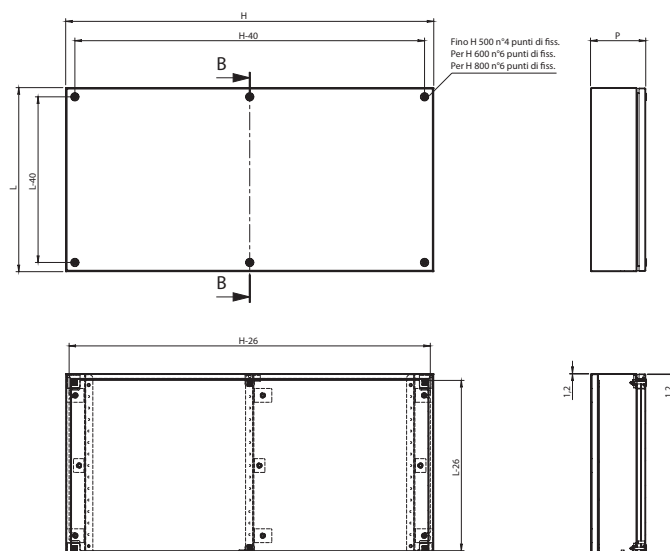
IP 66 according to IEC EN 62208; EN 60529.

TYPE 4X according to UL508A; UL50

Mechanical resistance degree as per IEC EN 62208: IK10

On request version AISI 316 for all sizes

Dimensions, mm			Code AISI 304
Height	Width	Depth	
150	150	80	RICDE11801
200	200	80	RICDE22801
300	200	80	RICDE32801
400	200	80	RICDE42801
600	200	80	RICDE62801
800	200	80	RICDE82801
150	150	120	RICDE111201
200	200	120	RICDE221201
300	150	120	RICDE311201
300	200	120	RICDE321201
300	300	120	RICDE331201
400	200	120	RICDE421201
400	300	120	RICDE431201
400	400	120	RICDE441201
500	200	120	RICDE521201
500	300	120	RICDE531201
600	200	120	RICDE621201
600	300	120	RICDE631201
600	400	120	RICDE641201
800	200	120	RICDE821201
800	400	120	RICDE841201



Common accessories

DIN Profiles



1 - TS 35/7.5
2 - TS 35/15

- Mountable onto box rails
- Pack of 10 pieces
- Complete with mounting accessories

Box height, H	Code
150	RZCDO15 ¹
180	RZCDO18 ¹
200	RZCDO20 ¹
300	RZCDO30 ¹
400	RZCDO40 ¹
500	RZCDO50 ¹
600	RZCDO60 ²
800	RZCDO80 ²

Internal plate for junction box



- Manufactured of 20/10 Sendzimir galvanized steel..
- Fixed to the enclosure by means of mounting bars provided inside the box.
- Complete with mounting accessories.

Dimensions		Code
Height, H	Width, L	
150	150	RZCDP11
180	150	RZCDP91
200	180	RZCDP29
200	200	RZCDP22
300	200	RZCDP32
400	200	RZCDP42
600	200	RZCDP62
800	200	RZCDP82
300	150	RZCDP31
300	300	RZCDP33
400	300	RZCDP43
400	400	RZCDP44
500	200	RZCDP52
500	300	RZCDP53
600	300	RZCDP63
600	400	RZCDP64
800	400	RZCDP84

Wall-mounting bracket



Code: RIA502

- Manufactured of AISI 316 stainless steel, th. 15/10.
- Particularly suitable for boxes wall-mounting.
- Pack of 4 pieces complete with fasteners.

Box lock



** Insert to be mounted instead of standard inserts (double-bit Ø 3 mm).

Locking element view	Description	Code	
	Locking element complete with double-bit lock insert Ø 3 mm	RPCE205	

Insert view	Description**	Code	
		Plastic key	Insert
	Double-bit lock insert Ø 3 mm	RPCE240	RZCE261
	Triangle 8 mm	RPCE246	RZCE224
	Triangle 7 mm	RPCE245	RZCE223
	"FIAT" type	RZCE237*	RZCE226
	Square 7 mm	RPCE243	RZCE221
	Complete lock (with equal keys)	RZCE227*	
	Complete lock (with different keys)	RZCE228*	

*metal key

Ratchet lock



** Insert to be mounted instead of standard inserts (double-bit Ø 3 mm).

Locking element view	Description	Code	
	Locking element complete with double-bit lock insert Ø 3 mm	RZCE200	

Insert view	Description**	Code	
		Metal key	Insert
	double-bit lock insert Ø 3 mm	RZCE230	RZCE219
	Triangle 8 mm	RZCE236	RZCE214
	Triangle 7 mm	RZCE235	RZCE213
	Square 8 mm	RZCE234	RZCE212
	Square 7 mm	RZCE233	RZCE211



Consoles

Consoles	298
Accessories	305
New Plinths.....	310

Consoles

The structure of Ramblock consoles is manufactured of 15/10 thick sheet steel with continuous welding on the joints. The borders folded several times, impede the ingress of water, in case of its accidental accumulation on the structure.

The base bottom is provided with widely dimensioned openings, purposed for cable passage, with the edges folded inside. There is a cover plate of two parts with adjustable position.

All the product range is characterized by the accessibility from the rear side. This allows to resolve any technical problem related to inspections, cable entry, on-site cabling etc.

The desk lids are manufactured of 20/10 thick sheet steel. The lids are internally prepared to accommodate two profiles perforated with 25 mm pitch. In addition to reinforcing the structure, these profiles allow mounting any type of component.

Solid hinges, invisible from outside, guarantee a wide door opening of about 130°. The sealing is ensured by a special polyurethane seal applied directly to the door by continuous molding.

Painting is performed with epoxy-polyester powders of textured RAL 7035 color. Other colors are available upon request.

"Video console" and "Modular console" models have an internal plate (mounting panel) adjustable in depth, manufactured of 20/10 Sendzimir galvanized steel for a better potential equalization.

"PN" model has a mounting panel fixed at the distance of 55 mm from the console rear panel.

PN COMPACT CONSOLES

PN model is available in 6 different dimensions. In combination with a modern and elegant design it has been conceived to satisfy any installation exigency, which requires handiness and functionality.

A wide range of accessories is available assuring the maximum versatility of the product.

MODULAR AND VIDEO CONSOLES

MODULAR console model is characterized by the possibility to compose its elements in various practical configurations purposed to resolve any exigency of the customers.

Elegance of the lines, finish accuracy and a wide range of accessories place this product to the top on the automation market.

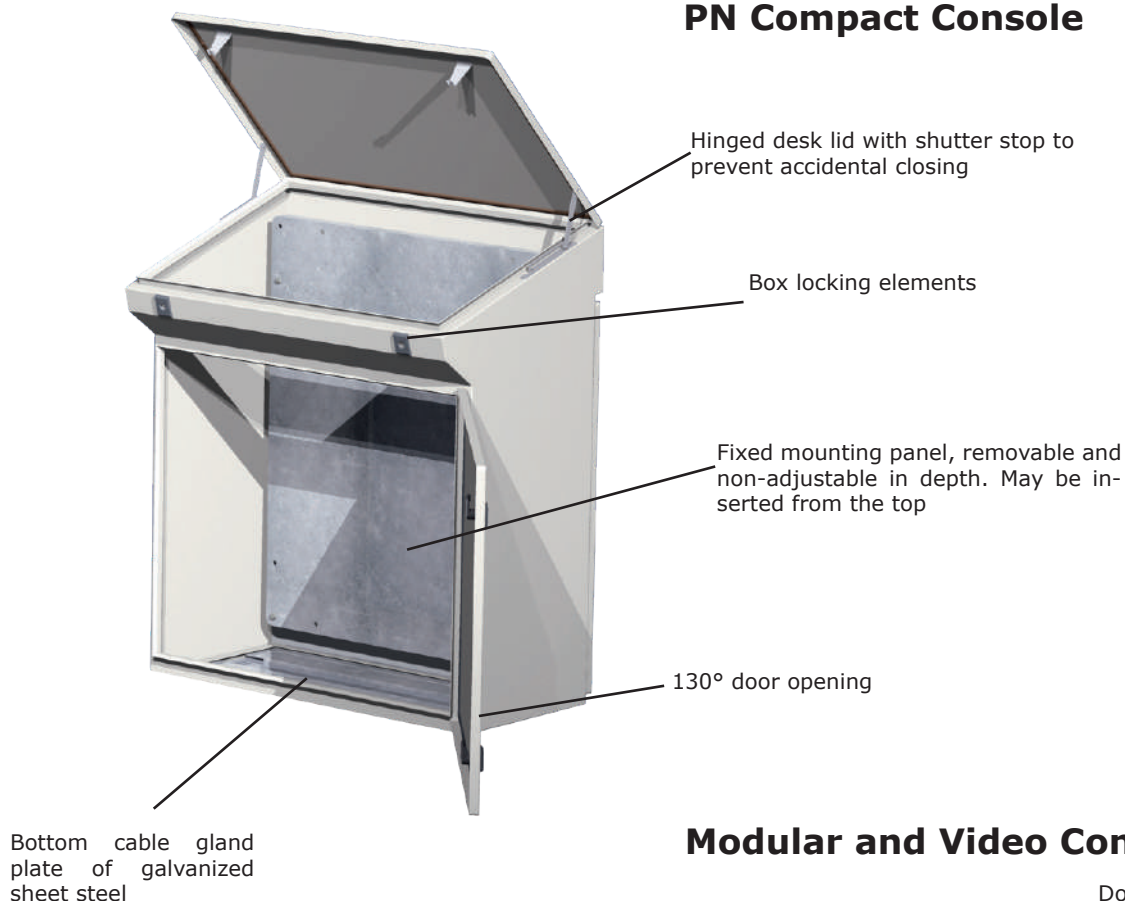
Deriving from the previous one, VIDEO model follows its structuring concept. Being characterized by a major depth, this model has been designed to accommodate one or more display units of personal computers. The accessibility from the rear side is guaranteed by rear hinged doors as those on the front.

Each model is available in 5 dimensions.

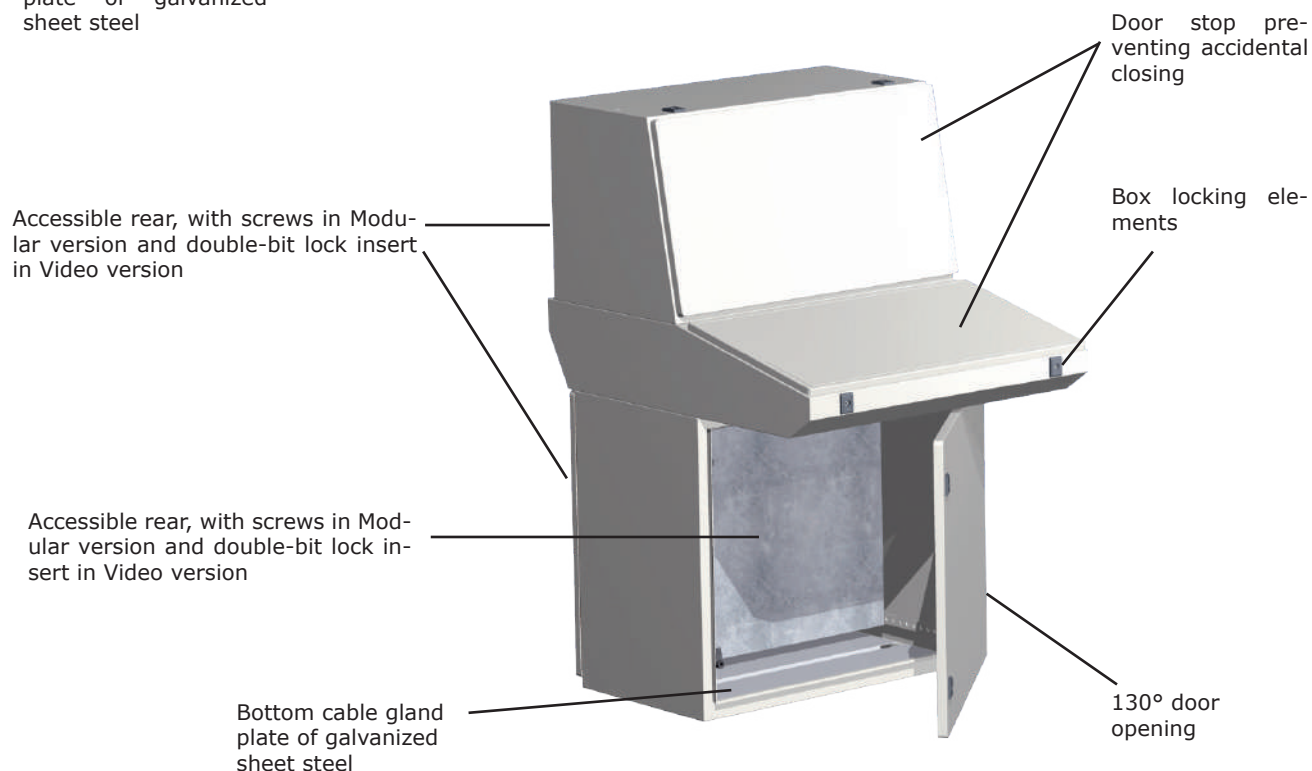
The rear access to MODULAR consoles is provided with removable panels both on the base and the top. While a distinguishing characteristic of VIDEO consoles is the presence of doors instead of panels of the previous model.



PN Compact Console



Modular and Video Consoles



Conformity and Approvals



Protection degree

- IP 55 as per IEC EN 62208; EN 60529
- TYPE 12 as per UL508A; UL50
- The protection degree is guaranteed by a seal of two-component polyurethane foam
- Impact resistance degree IK10 as per IEC EN 62208; EN 50102

CONSOLES



Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

Manufactured of 20/10 thick sheet steel, painted textured RAL 7035, complete with support bars for lid stop.

Removable, manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

Composed of two parts, adjustable. Manufactured of 15/10 thick galvanized sheet steel.

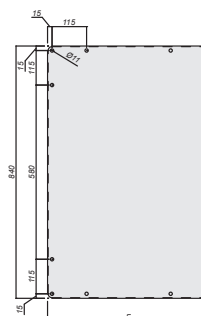
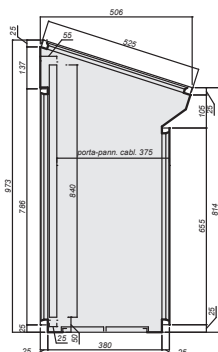
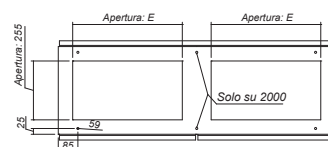
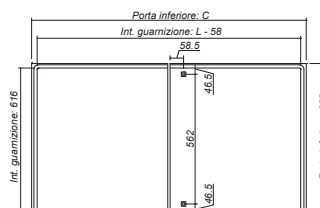
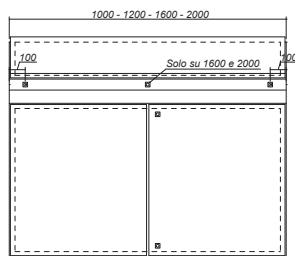
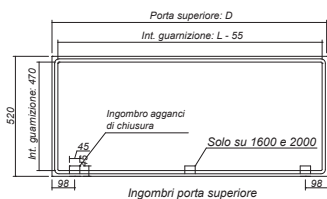
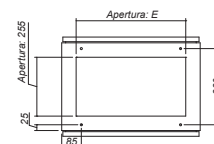
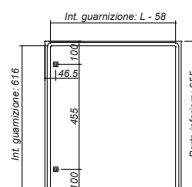
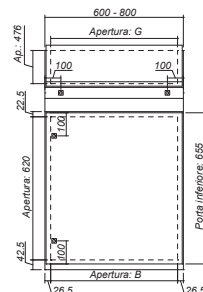
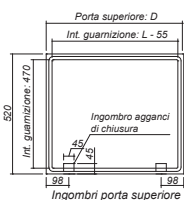
Removable, manufactured of 20/10 thick galvanized sheet steel, fixed at the bottom of the enclosure.

structure, doors, panels, bottom cable gland plate and mounting panel.

IP 55 EN 60529 compliant to NEMA 1, 12.

Width, L	Plinth	B	C	D	E	F	G	Code
600	R1ZP638	547	586	596	475	540	547	R5PN600
800	R1ZP838	747	786	796	675	740	747	R5PN800
1000	R1ZP1038	947	986	996	875	940	947	R5PN1000
1200	R1ZP1238	1147	1186	1196	475x2	1140	1147	R5PN1200
1600	R1ZP1638	1547	1586	1596	675x2	1540	1547	R5PN1600
2000	R1ZP2038	1947	1986	1996	875x2	1940	1947	R5PN2000

❑ Codes nearing obsolescence. For new plinth references, see page 310



Modular console base



STRUCTURE

Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

FRONT DOOR

Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

REAR REMOVABLE PANEL

Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

BOTTOM CABLE GLAND PLATE

Composed of two parts, adjustable. Manufactured of 15/10 thick galvanized sheet steel.

MOUNTING PANEL

Removable, manufactured of 20/10 thick galvanized sheet steel, adjustable in depth with 25 mm pitch.

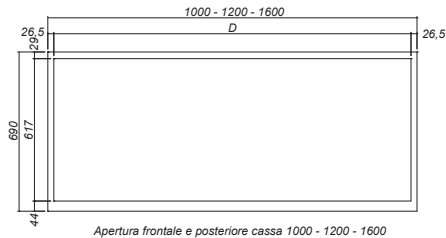
COMPOSITION

Structure, doors, panels, bottom cable gland plate and mounting panel.

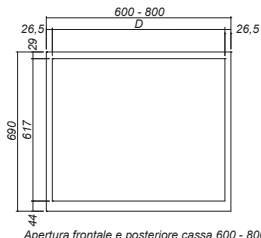
PROTECTION DEGREE

IP 55 EN 60529 compliant to NEMA 1, 12 if assembled as the configuration.

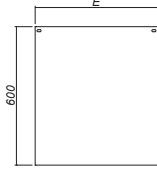
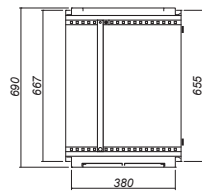
Width, L	A	B	C	D	E	Modular line	
						Depth	Code
600	586	500	475	547	531	430	R5CPC600
800	786	700	675	747	731	430	R5CPC800
1000	986	900	875	947	931	430	R5CPC1000
1200	1186	1100	1075	1147	1131	430	R5CPC1200
1600	1586	1500	1475	1547	1531	430	R5CPC1600



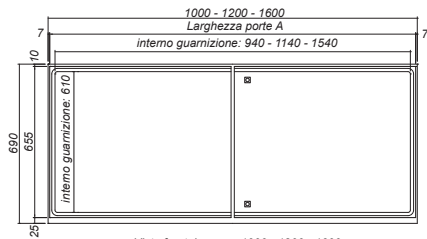
Apertura frontale e posteriore cassa 1000 - 1200 - 1600



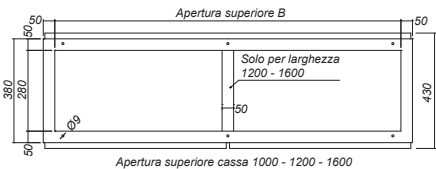
Apertura frontale e posteriore cassa 600 - 800



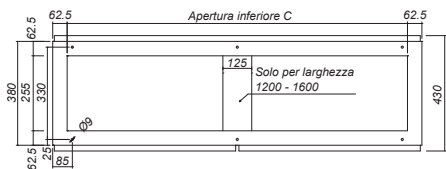
Pannello di cablaggio



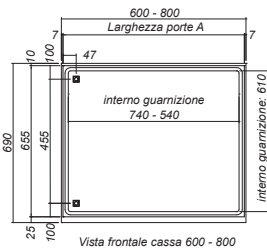
Vista frontale cassa 1000 - 1200 - 1600



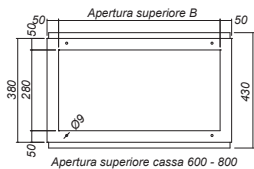
Apertura superiore cassa 1000 - 1200 - 1600



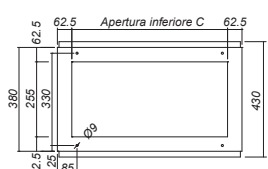
Apertura inferiore cassa 1000 - 1200 - 1600



Vista frontale cassa 600 - 800



Apertura superiore cassa 600 - 800



Apertura inferiore cassa 600 - 800

Modular console top



STRUCTURE

Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

REAR PANEL

Removable, manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

FRONT DOOR

Manufactured of 20/10 thick sheet steel, complete with support bars for door stop.

MOUNTING PANEL

Manufactured of 20/10 thick galvanized sheet steel, adjustable in depth with 25 mm pitch.

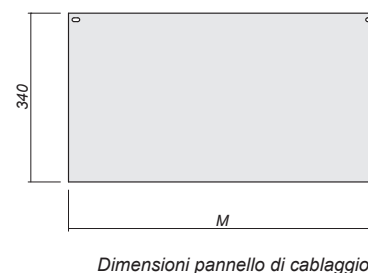
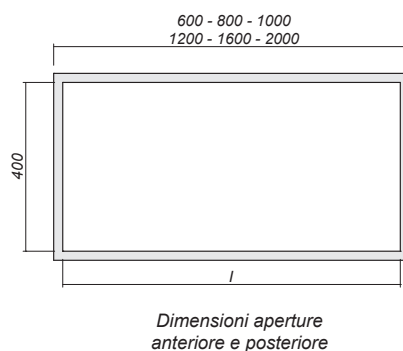
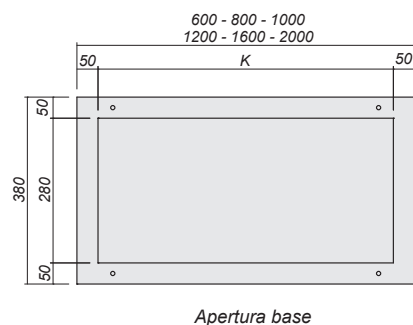
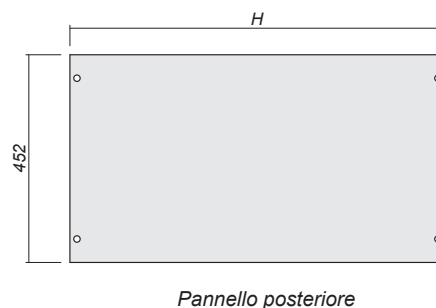
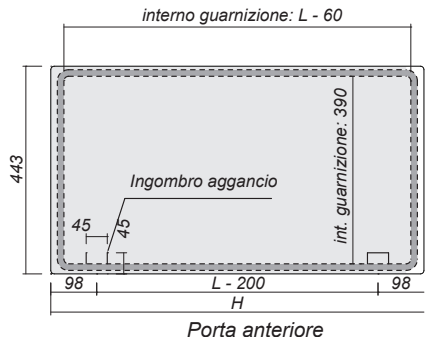
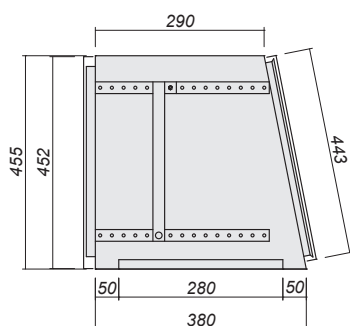
COMPOSITION

Structure, front door, rear panel, mounting panel.

PROTECTION DEGREE

IP 55 EN 60529 compliant to TYPE 1, 12 if assembled as the configuration.

Width, L	H	I	K	M	Modular line	
					Depth	Code
600	596	547	500	531	430	R5APC600
800	796	747	700	731	430	R5APC800
1000	996	947	900	931	430	R5APC1000
1200	1196	1147	1100	1131	430	R5APC1200
1600	1596	1547	1500	1531	430	R5APC1600



Modular console desk



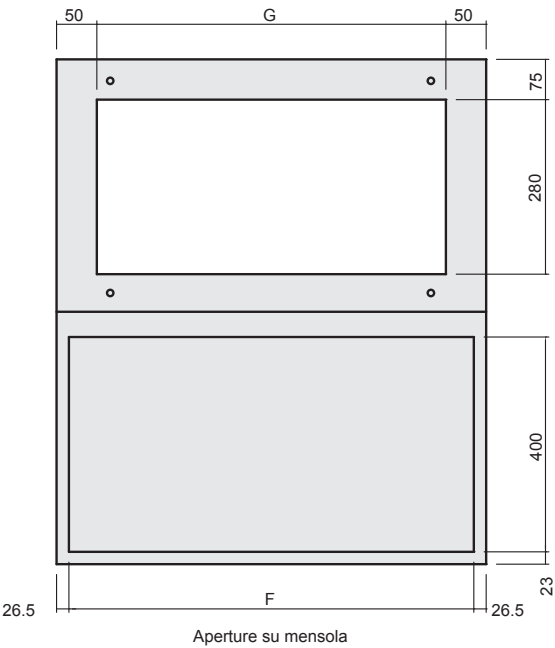
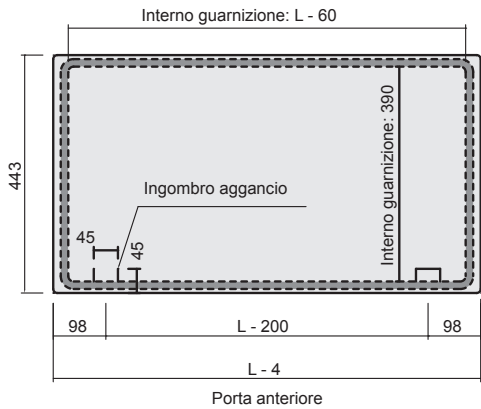
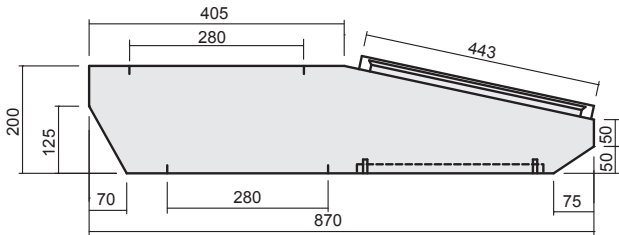
STRUCTURE
Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

UPPER LID
Manufactured of 20/10 thick sheet steel, painted textured RAL 7035. Complete with support bars for lid stop.

COMPOSITION
STRUCTURE, UPPER LID.

PROTECTION DEGREE
IP 55 EN 60529 compliant to TYPE 1, 12 if assembled as the configuration.

Width, L	F	G	Modular line	
			Depth	Code
600	547	500	870	R5MPC600
800	747	700	870	R5MPC800
1000	947	900	870	R5MPC1000
1200	1147	1100	870	R5MPC1200
1600	1547	1500	870	R5MPC1600

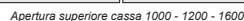
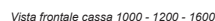


CONSOLES



IP 55 EN 60529 compliant to TYPE 1, 12 if assembled as the configuration.

Width, L	A	B	C	D	E	Video line	
						Depth	Code
600	586	500	475	547	531	500	R5CPV600
800	786	700	675	747	731	500	R5CPV800
1000	986	900	875	947	931	500	R5CPV1000
1200	1186	1100	1075	1147	1131	500	R5CPV1200
1600	1586	1500	1475	1547	1531	500	R5CPV1600



Video console top



STRUCTURE

Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

REAR DOOR

Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

FRONT DOOR

Manufactured of 20/10 thick sheet steel, complete with support bars for door stop.

MOUNTING PANEL

Manufactured of 20/10 thick galvanized sheet steel, adjustable in depth with 25 mm pitch.

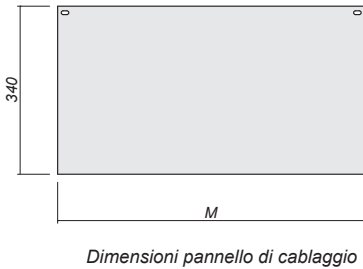
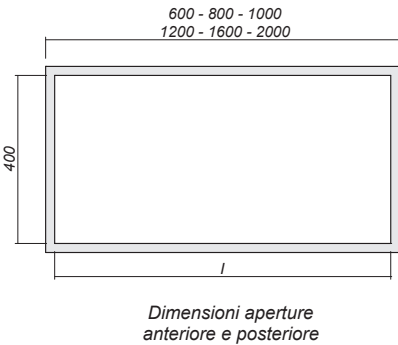
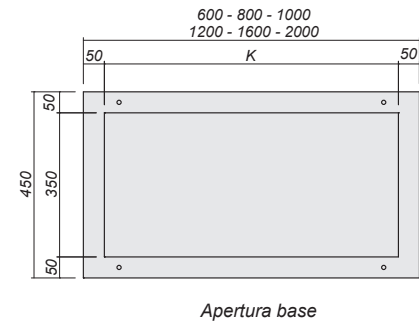
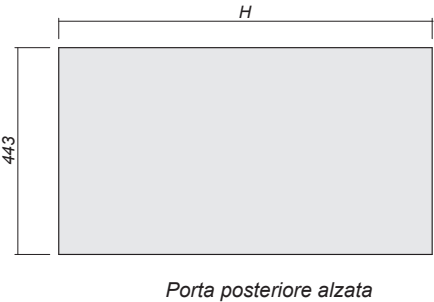
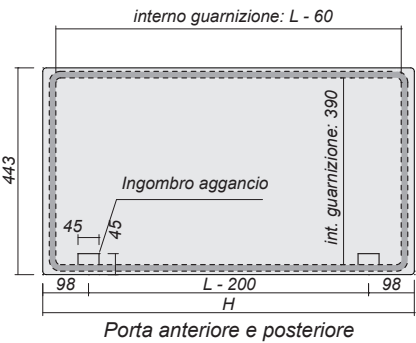
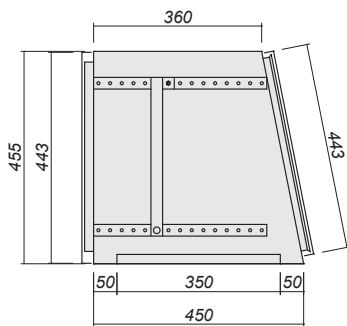
COMPOSITION

Structure, front door, rear panel, mounting panel.

PROTECTION DEGREE

IP 55 EN 60529 compliant to TYPE 1, 12 if assembled as the configuration.

Width, L	H	I	K	M	Video line	
					Depth	Code
600	596	547	500	531	500	R5APV600
800	796	747	700	731	500	R5APV800
1000	996	947	900	931	500	R5APV1000
1200	1196	1147	1100	1131	500	R5APV1200
1600	1596	1547	1500	1531	500	R5APV1600



Video console desk



STRUCTURE

Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.

UPPER LID

Manufactured of 20/10 thick sheet steel, painted textured RAL 7035. Complete with support bars for lid stop.

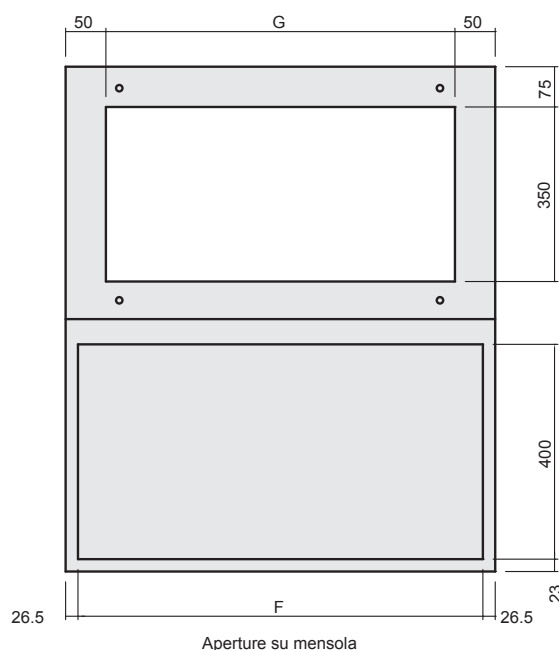
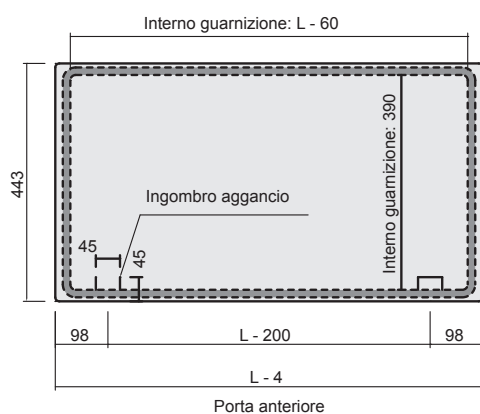
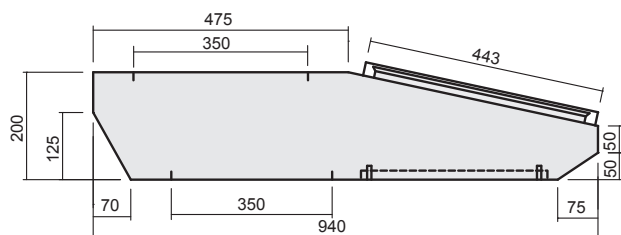
COMPOSITION

Structure, upper lid.

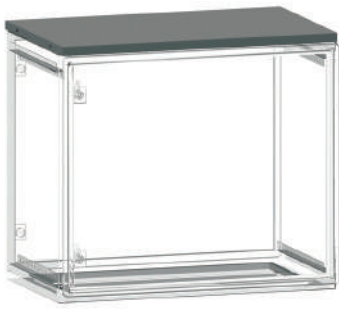
PROTECTION DEGREE

IP 55 EN 60529 compliant to TYPE 1, 12 if assembled as the configuration.

Width, L	F	G	Video line	
			Depth	Code
600	547	500	940	R5MPV600
800	747	700	940	R5MPV800
1000	947	900	940	R5MPV1000
1200	1147	1100	940	R5MPV1200
1600	1547	1500	940	R5MPV1600

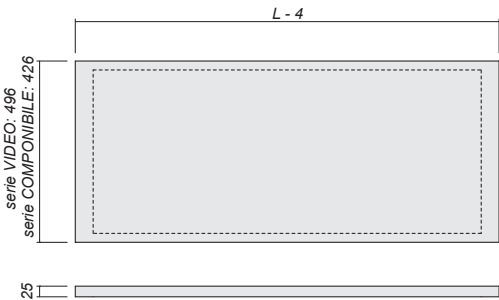


Cover for Modular and Video consoles

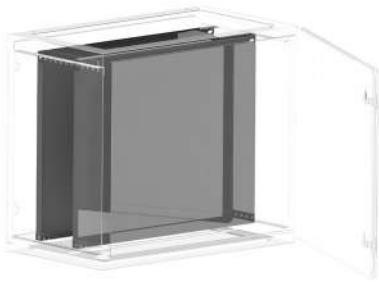


- Manufactured of 15/10 thick sheet steel, painted textured RAL 7035.
- Usable as a cover for bases and desks of VIDEO and MODULAR lines.
- Pack of 1 piece complete with mounting fasteners and seal.

Console width L	Cover width	Modular line		Video line	
		Depth	Code	Depth	Code
600	596	426	R5CC600	496	R5CV600
800	796	426	R5CC800	496	R5CV800
1000	996	426	R5CC1000	496	R5CV1000
1200	1196	426	R5CC1200	496	R5CV1200
1600	1596	426	R5CC1600	496	R5CV1600

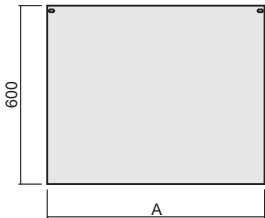


Additional mounting panel for modular and video console base



- Manufactured of 20/10 thick Sendzimir galvanized steel.
- Pack of 1 piece complete with mounting accessories and fasteners.

Box width	Panel height	A	Code
600	600	531	RZPC600
800	600	731	RZPC800
1000	600	931	RZPC1000
1200	600	1131	RZPC1200
1600	600	1531	RZPC1600

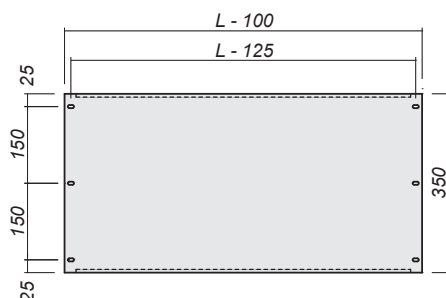


Equipment support panel for modular and video desks



- Being horizontally mounted inside the desks, allows fixing various equipment.
- Manufactured of 20/10 thick galvanized steel.
- Pack of 1 piece complete with fasteners and mounting angles.

Desk width L	Panel width	Panel depth	Code
600	500	350	RZPPM600
800	700	350	RZPPM800
1000	900	350	RZPPM1000
1200	1100	350	RZPPM1200
1600	1500	350	RZPPM1600



Plastic pocket for wiring diagrams



Code: RPA32

- Dimensions: 222 x 230 x 30 mm
- Pack of 1 piece.

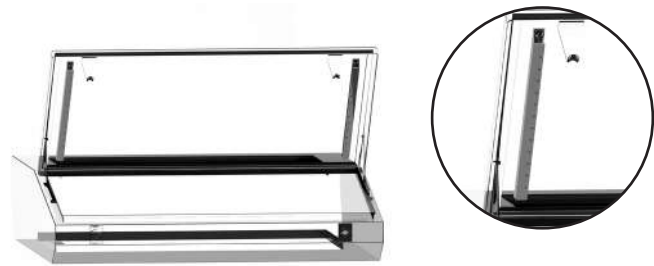
Lifting eye bolts for consoles



Code: RZA34

- Pack of 2 pieces complete with mounting accessories and fasteners.

Equipment support rails



- Manufactured of 15/10 thick sheet steel.
- Mountable inside the console lids by means of studs, they are generally used for standard DIN guides installation.
- Pack of 2 pieces complete with fasteners.

Line	Code
PN	RZS01
Modular, Video	RZS02

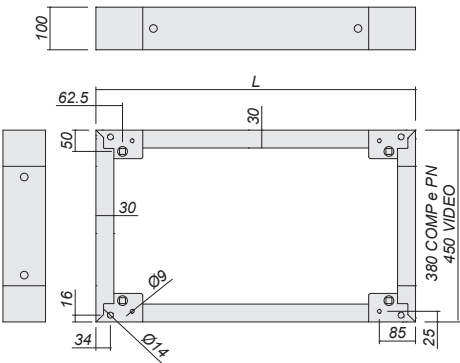
Plinths for consoles



- Manufactured of 20/10 thick sheet steel, painted textured RAL 7011.
- Front, rear and side removable panels allow an easy cable passage.
- Height: 100 mm.
- Pack of 1 piece complete with fasteners.

Console width	Height	Code		
		PN line	Modular line	Video line
600	100	R1ZP638	R1ZP638	R1ZPV645
800	100	R1ZP838	R1ZP838	R1ZPV845
1000	100	R1ZP1038	R1ZP1038	R1ZPV1045
1200	100	R1ZP1238	R1ZP1238	R1ZPV1245
1600	100	R1ZP1638	R1ZP1638	R1ZPV1645
2000	100	R1ZP2038	-	-

Codes nearing obsolescence. For new plinth references, see page 310



Gas springs



- As an alternative to support bars supplied along with the console, it is possible to mount gas springs.
- The load of springs vary according to the width of a lid to be raised.
- Pack of 2 pieces complete with fasteners.

N.B.

The table below helps to select springs in accordance with the total weight (expressed in kg) of the equipment to be mounted. The weight is understood as a load uniformly distributed onto the whole usable surface of the upper lid.

Code	Console width					
	600	800	1000	1200	1600	2000
	Load capacity, Kg					
RZMPG20	10	7	-	-	-	-
RZMPG25	15	13	11	-	-	-
RZMPG30	-	-	17	15	11	-
RZMPG35	-	-	-	-	17	13
RZMPG40	-	-	-	-	-	18

Box lock



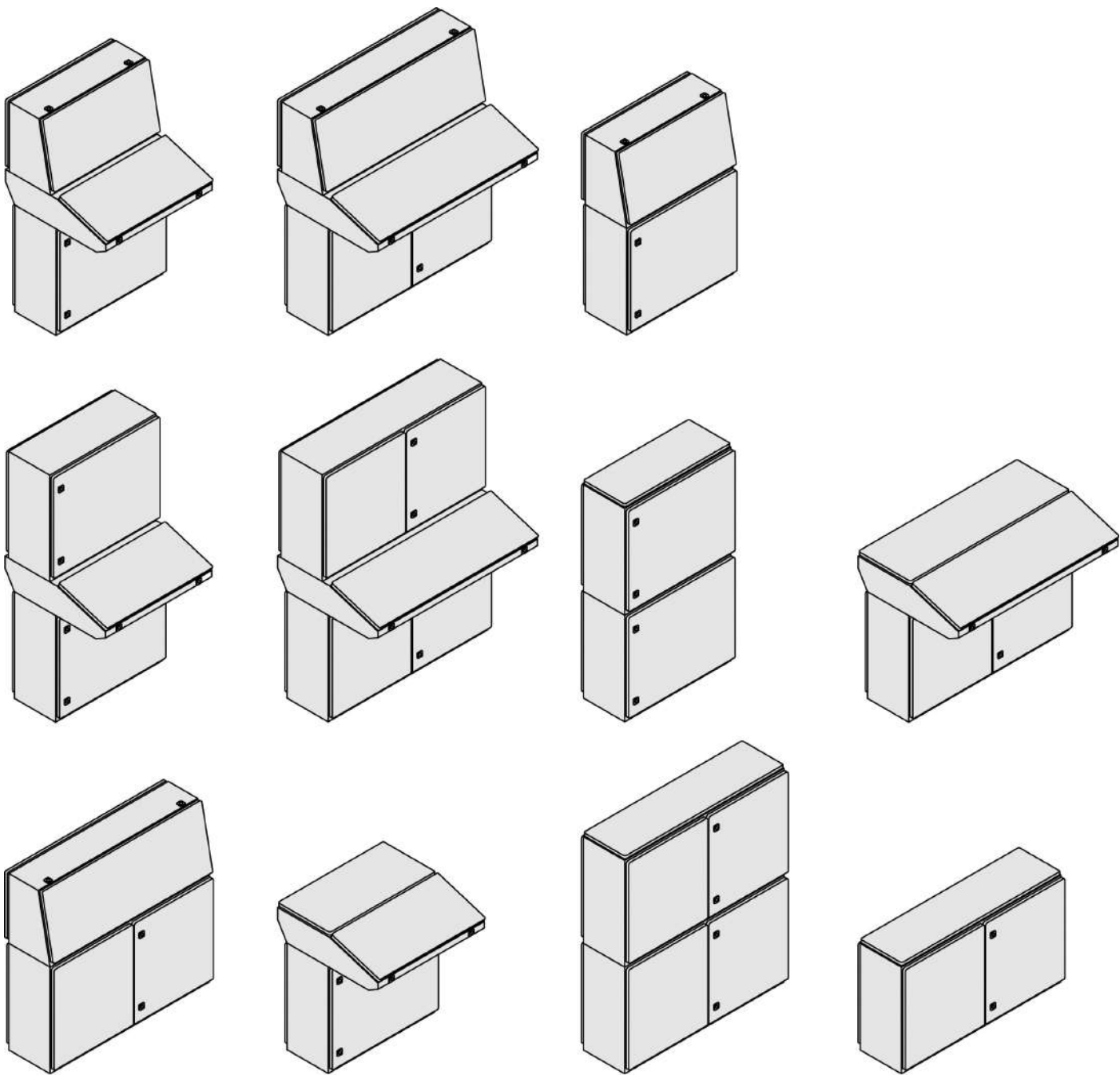
** Insert to be mounted instead of standard inserts (double-bit Ø 3 mm).

Picture	Description	Locking code
	Locking element complete with doublebit lock insert Ø 3mm for base door of MODULAR/VIDEO console and lower door of PN console	RPCE205
	Locking element complete with double-bit lock insert Ø 3mm for desk and top lid of MODULAR/VIDEO console and upper lid of PN console	RPCE209

Picture	Description**	Dimensions, mm	Code	
			Key	Insert
	double-bit lock insert	3	RPCE240 ^a	RZCE261
	Triangle	8	RPCE246 ^a	RZCE224
		7	RPCE245 ^a	RZCE223
	FIAT Type	-	RZCE237 ^b	RZCE226
	Square	7	RPCE243 ^a	RZCE221
	Complete lock (with equal keys)	-	RZCE227 ^b	
	Complete lock (with different keys)	-	RZCE228 ^b	

1 Plastic key
2 Metal key

Possibility of console configurations



CONSOLES

Article compliant UL Type 1,12 if mounted in one of the above configurations.

New plinths for pulpits



Conversion table:

from plinths for pulpits to running low with codes new plinths for pulpits.
The new plinths are made by matching the Angular + Front Flange + Side Flange



Running low code	Angular code	Front flange code	Side flange code
R1ZP638	R1ZCOR1	R1ZPRO601	R1ZPRO381
R1ZP838	R1ZCOR1	R1ZPRO801	R1ZPRO381
R1ZP1038	R1ZCOR1	R1ZPRO1001	R1ZPRO381
R1ZP1238	R1ZCOR1	R1ZPRO1201	R1ZPRO381
R1ZP1638	R1ZCOR1	R1ZPRO1601	R1ZPRO381
R1ZP2038	R1ZCOR1	R1ZPRO2001	R1ZPRO381
R1ZPV645	R1ZCOR1	R1ZPRO601	R1ZPRO501
R1ZPV845	R1ZCOR1	R1ZPRO801	R1ZPRO501
R1ZPV1045	R1ZCOR1	R1ZPRO1001	R1ZPRO501
R1ZPV1245	R1ZCOR1	R1ZPRO1201	R1ZPRO501
R1ZPV1645	R1ZCOR1	R1ZPRO1601	R1ZPRO501



Suspension arm system

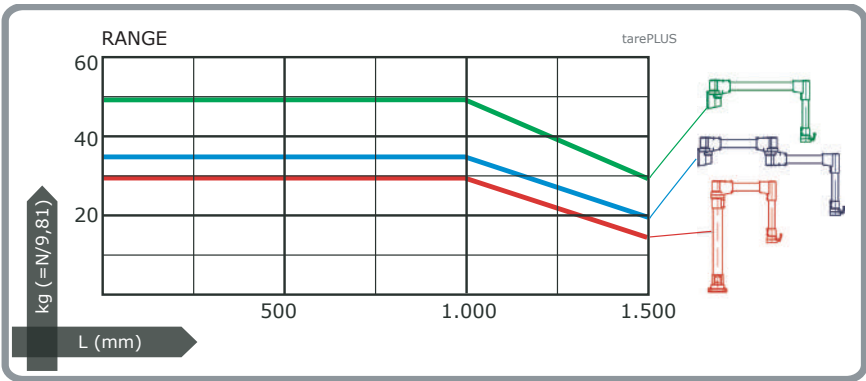
Light suspension arm system	313
Medium suspension arm system.....	325
Heavy suspension arm system.....	333
Accessories	343

LIGHT Support arm system

ARM SYSTEM

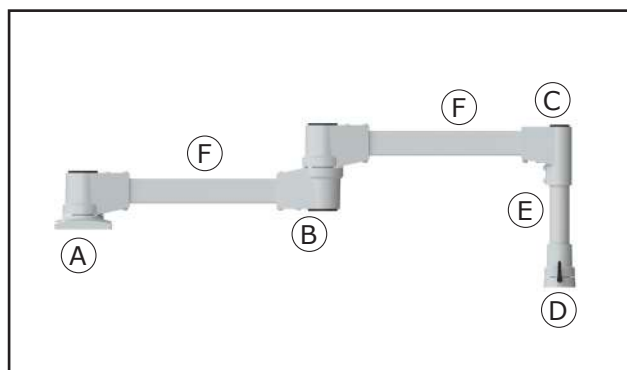


LIGHT support system can be composed combining various joints with 60x40 mm flat pipe for the horizontal part of the arm and, if necessary, adding a 48 mm circular pipe for the vertical part. This system is particularly suitable where light weight loads are expected. The fundamental parameters of the system composition choice are the arm length and the enclosure weight. The load capacity shown on the diagram below, vary depending on the arm composition. Joints are manufactured of aluminium alloy painted RAL 7035. Corrugated gaskets are made of a plastic material of RAL 7035 color. The connection pipe is made of sheet steel painted RAL 7035 with the dimensions of 60x40 mm, 2 mm thick, with 54x34 mm bore for cables passage. The circular pipe of sheet steel painted RAL 7035 has the diameter of 48 mm with 42 mm bore for cables passage. The system protection degree is IP54 as per EN 60529. Joints, pipes and enclosures of special colors can be supplied upon request. Based on different requirements it is possible to connect new ALUFRAME control enclosures or conventional DKC boxes of CE, CLE and CDE series.

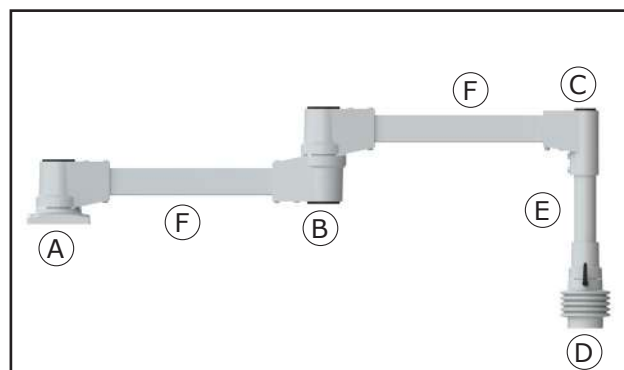


Technical Specifications	
Material of joints	Aluminium alloy painted RAL 7035
Material of pipes	Steel painted RAL 7035
Corrugated gaskets color	RAL 7035
Protection degree	IP54
Approvals	CE PG

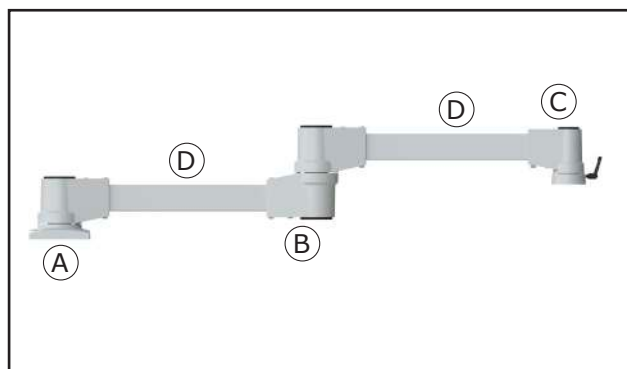
Configuration options with rotating turret


Configuration 1

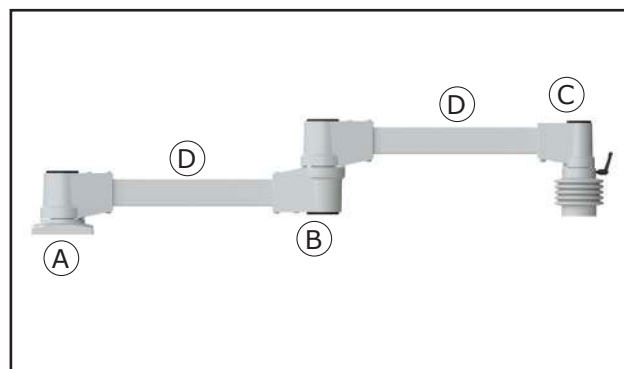
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	Intermediate hinge	R5SLSIN	1
C	Angle coupling	R5SLSAF	1
D	Straight joint	R5SLSDF	1
E	Circular pipe	R5SLTCX*	1
F	Flat pipe	R5SLT6X*	2


Configuration 2

Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	Intermediate hinge	R5SLSIN	1
C	Angle coupling	R5SLSAF	1
D	Tilting joint	R5SLSDI	1
E	Circular pipe	R5SLTCX*	1
F	Flat pipe	R5SLT6X*	2


Configuration 3

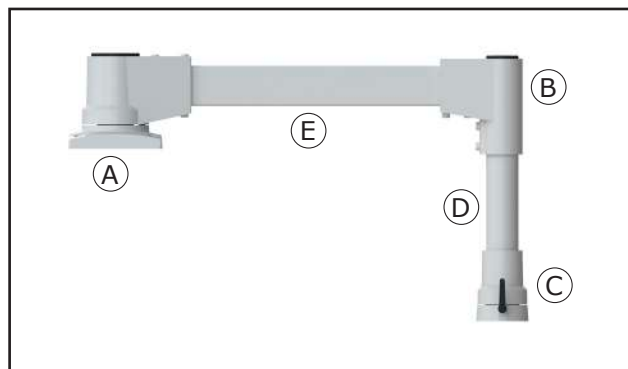
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	Intermediate hinge	R5SLSIN	1
C	90° joint	R5SLSRF	1
D	Flat pipe	R5SLT6X*	2


Configuration 4

Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	Intermediate hinge	R5SLSIN	1
C	Tilting 90° joint	R5SLSRI	1
D	Flat pipe	R5SLT6X*	2

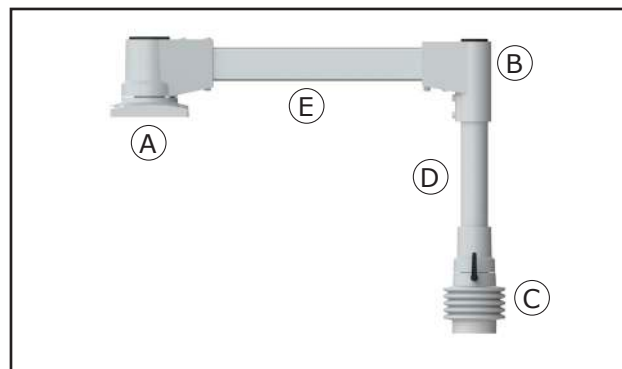
X is to be substituted by a number relative to the required pipe length: 5 for 500 mm pipe, 1 for 1000 mm pipe.

Configuration options with rotating turret



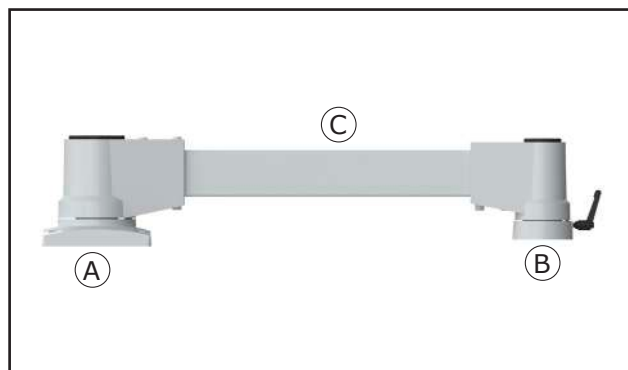
Configuration 5

Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	Angle coupling	R5SLSAF	1
C	Straight joint	R5SLSDF	1
D	Circular pipe	R5SLTCX*	1
E	Flat pipe	R5SLT6X*	1



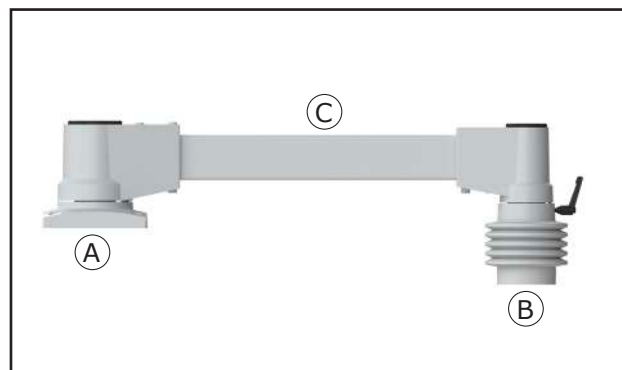
Configuration 6

Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	Angle coupling	R5SLSAF	1
C	Tilting joint	R5SLSDI	1
D	Circular pipe	R5SLTCX*	1
E	Flat pipe	R5SLT6X*	1



Configuration 7

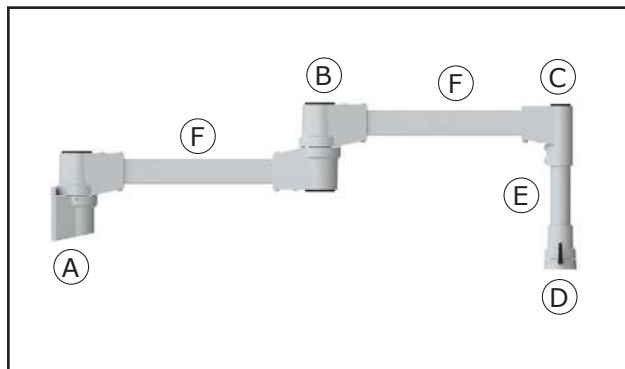
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	90° joint	R5SLSRF	1
C	Flat pipe	R5SLT6X*	1



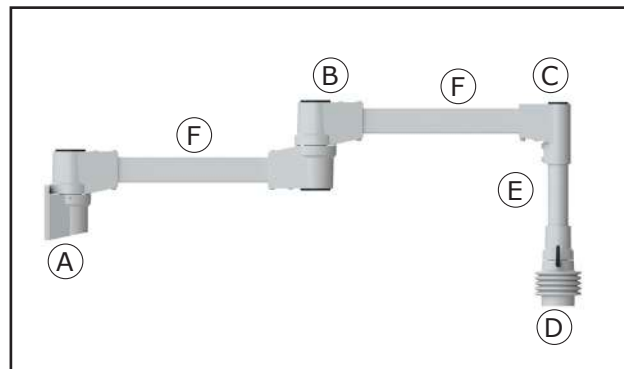
Configuration 8

Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSTR	1
B	Tilting 90° joint	R5SLSRI	1
C	Flat pipe	R5SLT6X*	1

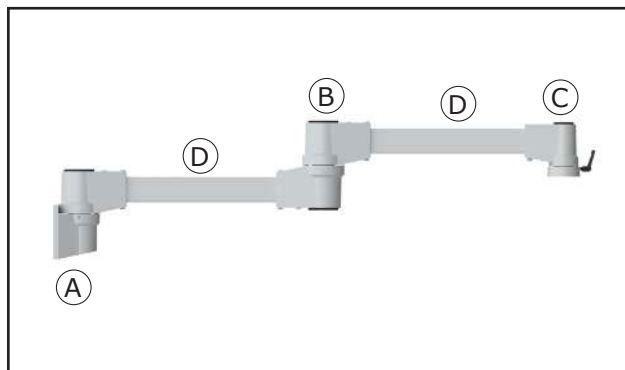
Configuration options with rotating turret


Configuration 1

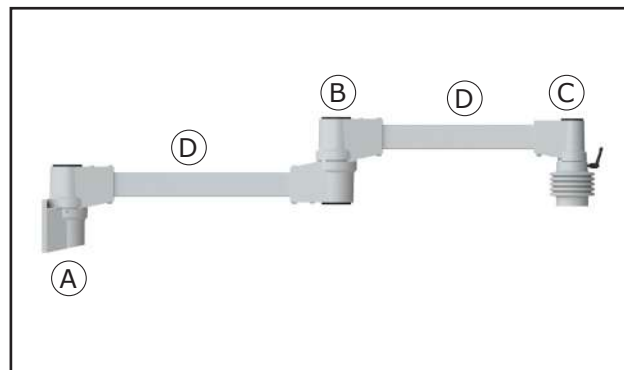
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	Intermediate hinge	R5SLSIN	1
C	Angle coupling	R5SLSAF	1
D	Tilting joint	R5SLSDI	1
E	Circular pipe	R5SLTCX*	1
F	Flat pipe	R5SLT6X*	2


Configuration 2

Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	Intermediate hinge	R5SLSIN	1
C	Angle coupling	R5SLSAF	1
D	Tilting joint	R5SLSDI	1
E	Circular pipe	R5SLTCX*	1
F	Flat pipe	R5SLT6X*	2


Configuration 3

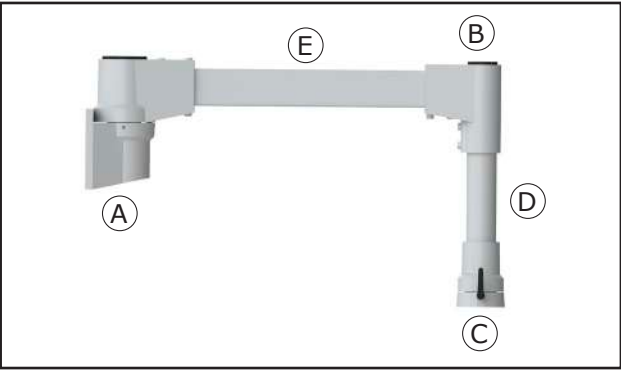
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	Intermediate hinge	R5SLSIN	1
C	Tilting 90° joint	R5SLSRF	1
D	Flat pipe	R5SLT6X*	2


Configuration 4

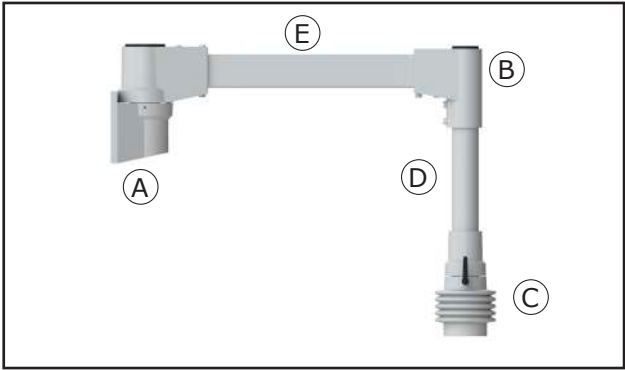
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	Intermediate hinge	R5SLSIN	1
C	Tilting 90° joint	R5SLSRI	1
D	Flat pipe	R5SLT6X*	2

X is to be substituted by a number relative to the required pipe length: 5 for 500 mm pipe, 1 for 1000 mm pipe.

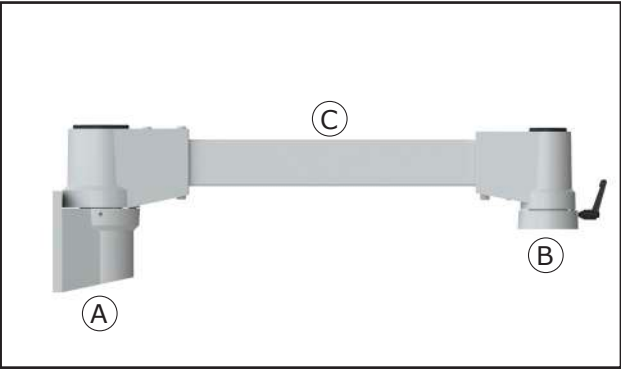
Configuration options with rotating turret



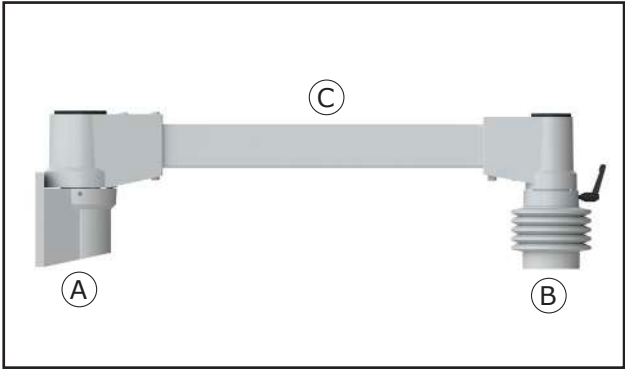
Configuration 5			
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	Angle coupling	R5SLSAF	1
C	Straight joint	R5SLSDF	1
D	Circular pipe	R5SLTCX*	1
E	Flat pipe	R5SLT6X*	1



Configuration 6			
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	Angle coupling	R5SLSAF	1
C	Straight joint	R5SLSDI	1
D	Circular pipe	R5SLTCX*	1
E	Flat pipe	R5SLT6X*	1



Configuration 7			
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	90° joint	R5SLSRF	1
C	Flat pipe	R5SLT6X*	1



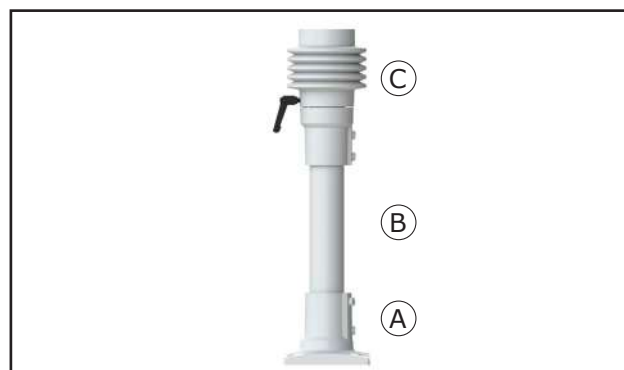
Configuration 8			
Rif.	Description	Code	Q-ty
A	Rotating turret	R5SLSAP	1
B	90° joint	R5SLSRI	1
C	Flat pipe	R5SLT6X*	1

X is to be substituted by a number relative to the required pipe length: 5 for 500 mm pipe, 1 for 1000 mm pipe.

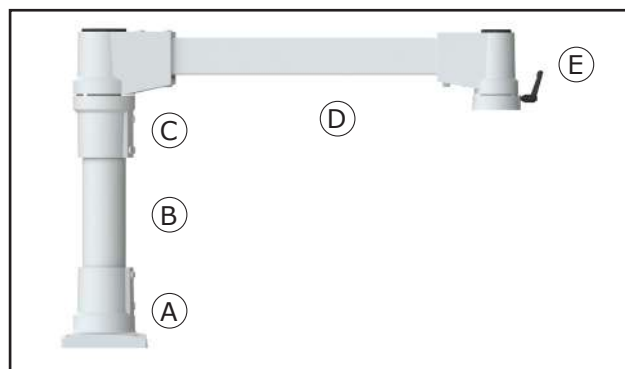
Configuration options with rotating turret


Configuration 1

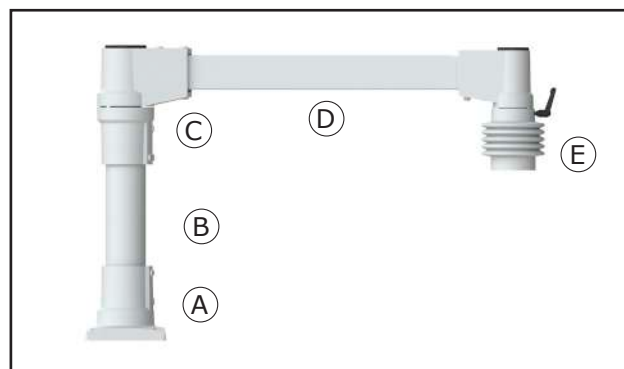
Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT48	1
B	Circular pipe	R5SLTC X	1
C	Straight joint	R5SLSDF	1


Configuration 2

Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT48	1
B	Circular pipe	R5SLTC X	1
C	Straight joint	R5SLSDI	1


Configuration 3

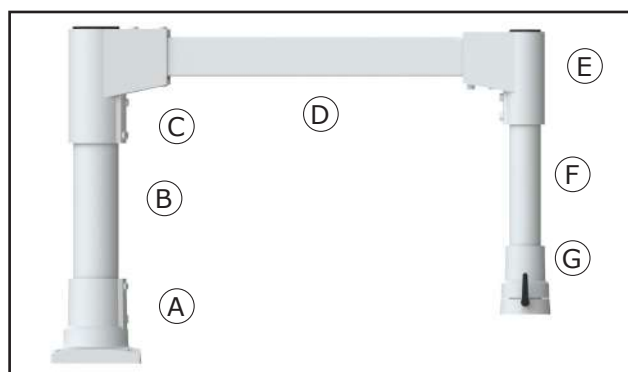
Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT70	1
B	Circular pipe	R5SLTC7 X	1
C	Angle coupling	R5SLSAF	1
D	Flat pipe	R5SLT6 X *	1
E	90° joint	R5SLSRF	1


Configuration 4

Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT70	1
B	Circular pipe	R5SLTC7 X	1
C	Angle coupling	R5SLSAF	1
D	Flat pipe	R5SLT6 X *	1
E	Tilting 90° joint	R5SLSRI	1

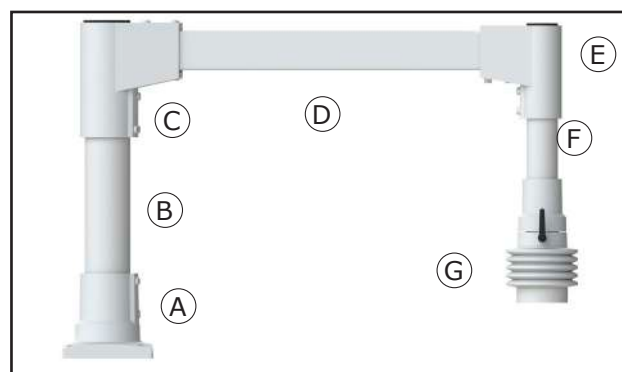
X is to be substituted by a number relative to the required pipe length: 5 for 500 mm pipe, 1 for 1000 mm pipe.

Configuration options with rotating turret



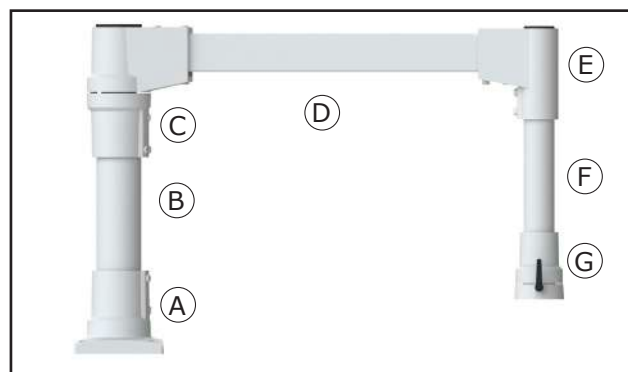
Configuration 5

Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT70	1
B	Circular pipe	R5SLTC7X	1
C	Angle coupling	R5SLSAV	1
D	Flat pipe	R5SLT6X*	1
E	Angle coupling	R5SLSAF	1
F	Circular pipe	R5SLTCX	1
G	Straight joint	R5SLSDF	1



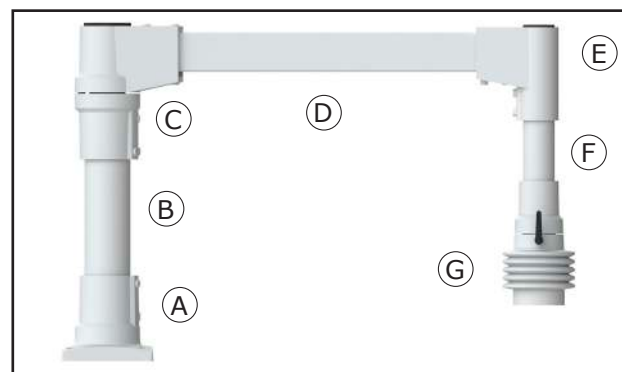
Configuration 6

Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT70	1
B	Circular pipe	R5SLTC7X	1
C	Angle coupling	R5SLSAV	1
D	Flat pipe	R5SLT6X*	1
E	Angle coupling	R5SLSAF	1
F	Circular pipe	R5SLTCX	1
G	Tilting joint	R5SLSDI	1



Configuration 7

Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT70	1
B	Circular pipe	R5SLTC7X	1
C	Angle coupling	R5SLSAVR	1
D	Flat pipe	R5SLT6X*	1
E	Angle coupling	R5SLSAF	1
F	Circular pipe	R5SLTCX	1
G	Straight joint	R5SLSDF	1



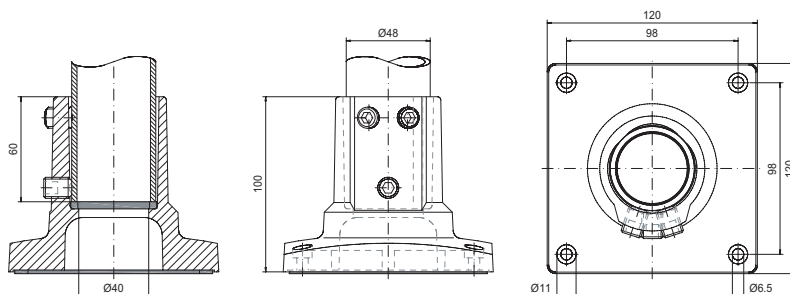
Configuration 8

Rif.	Description	Code	Q-ty
A	Ground joint	R5SLGPT70	1
B	Circular pipe	R5SLTC7X	1
C	Angle coupling	R5SLSAVR	1
D	Flat pipe	R5SLT6X*	1
E	Angle coupling	R5SLSAF	1
F	Circular pipe	R5SLTCX	1
G	Tilting joint	R5SLSDI	1

X is to be substituted by a number relative to the required pipe length: 5 for 500 mm pipe, 1 for 1000 mm pipe.

Joint from ground for pipe diam. 48 mm

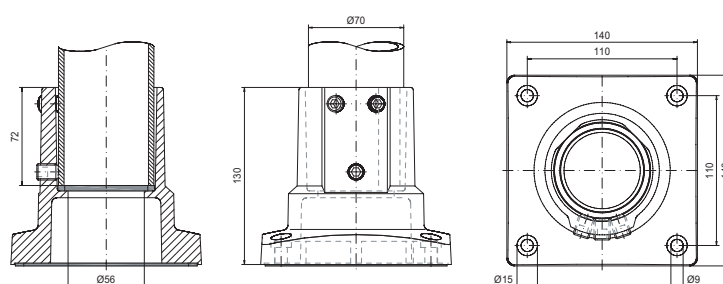
For the start from the ground and / or horizontal surfaces. Use in conjunction with circular pipe diam. 48 mm



Item	Material	Color	Weight, g	Included parts	Code
Joint	Aluminium alloy	RAL 7035	700	Fasteners, seals	R5SLGPT48

Joint from ground for pipe diam. 70 mm

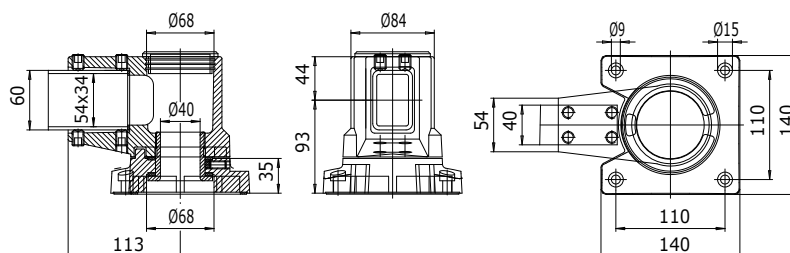
For the start from the ground and / or horizontal surfaces. Use in conjunction with circular pipe diam. 70 mm



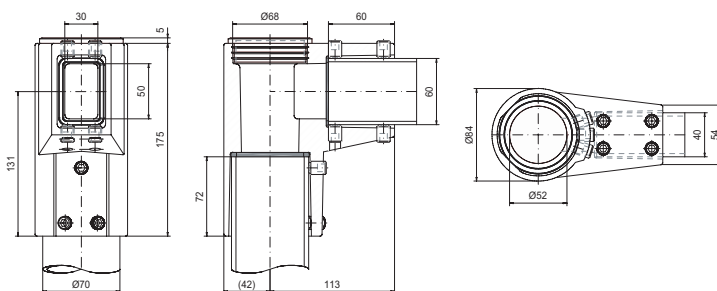
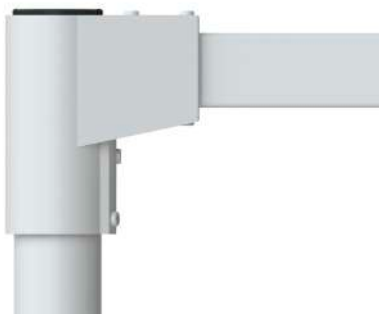
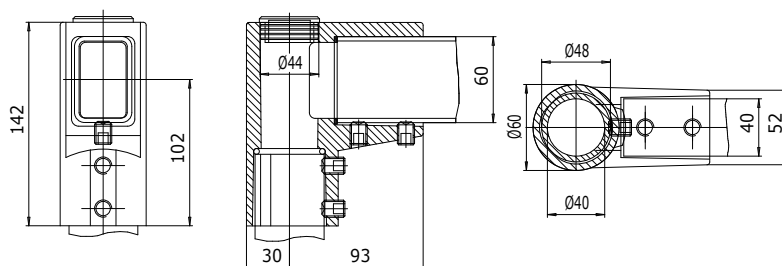
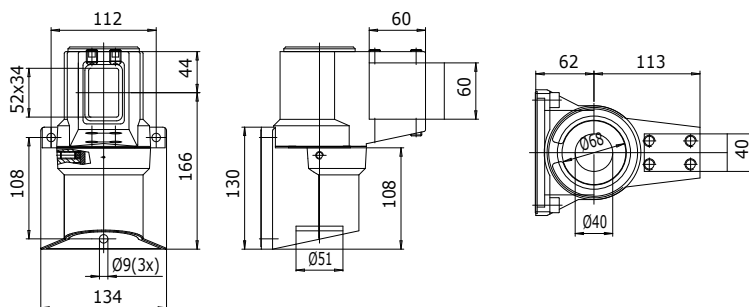
Item	Material	Color	Weight, g	Included parts	Code
Joint	Aluminium alloy	RAL 7035	1.150	Fasteners, seals	R5SLGPT70

Rotating turret

Purposed for mounting to a enclosure roof and/or horizontal surfaces. To be used in combination with 60x40 mm flat pipe.

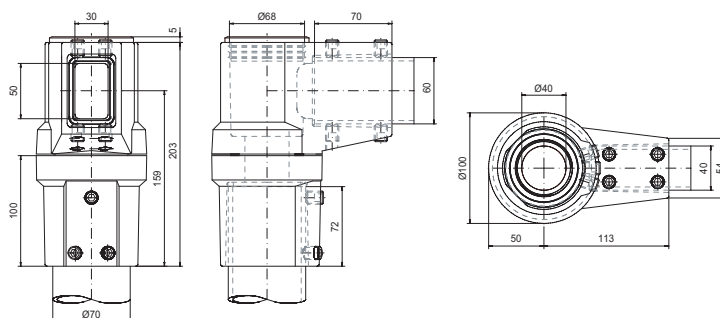


Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	2.450	300°	Fasteners, seals	R5SLSTR
Plug	Plastic	RAL 9005				



90° angle coupling 90° rotating 60X40 - Diam. 70 mm

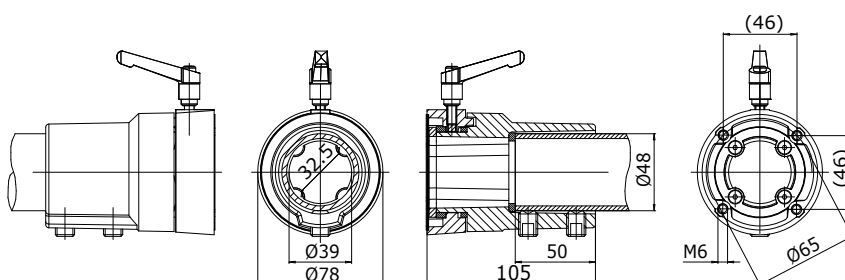
Purposed to join horizontal and vertical elements of an arm system. To be used in combination with 60x40 mm flat pipe (horizontal part) and circular pipe diam. 70 mm (vertical part).



Item	Material	Color	Weight, g	Included parts	Code
Joint	Aluminium alloy	RAL 7035	1.800	Fasteners, seals	R5SLSAVR
Plug	Plastic	RAL 9005			

Straight joint diam. 48 mm

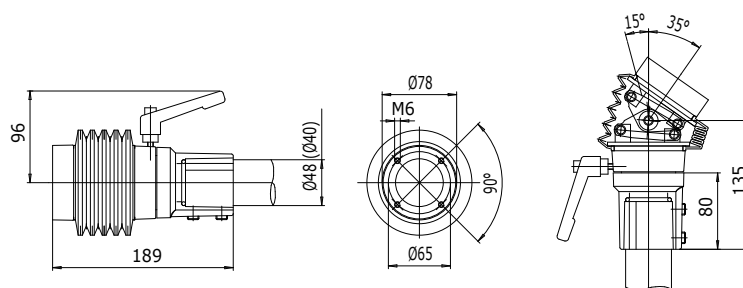
Purposed to connect an enclosure to the vertical part of an arm system. To be used in combination with Ø 48 mm circular pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	480	300°	Fasteners, seals	R5SLSDF

Tilting straight joint diam 48 mm

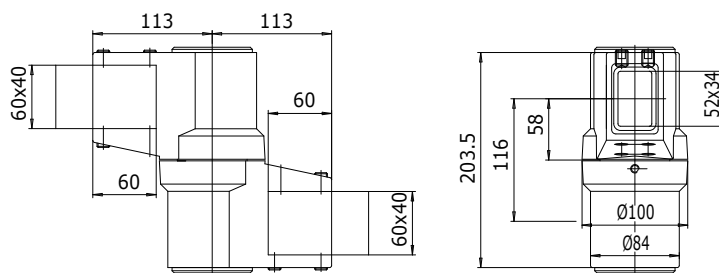
Purposed to connect an enclosure to the vertical part of an arm system. To be used in combination with Ø 48 mm circular pipe. Allows the enclosure inclination by 50°.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	1.350	300°	Fasteners, seals	R5SLSDI
Corrugated gasket	Plastic	RAL 7035				

Intermediate hinge

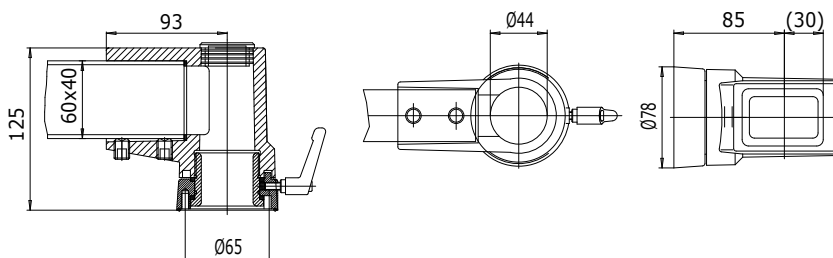
Allows coupling several horizontal elements of an arm system providing its rotation. To be used in combination with 60x40 mm flat pipes.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	3.000	300°	Fasteners, seals	R5SLSIN
Plug	Plastic	RAL 9005				

90° joint 60x40

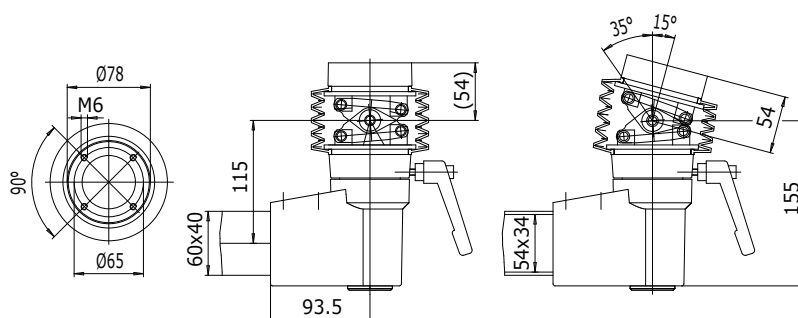
Allows fastening an enclosure directly to the horizontal part of an arm system. To be used in combination with 60x40 mm flat pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	1.100	300°	Fasteners, seals	R5SLSRF
Plug	Plastic	RAL 9005				

Tilting 90° joint 60x40

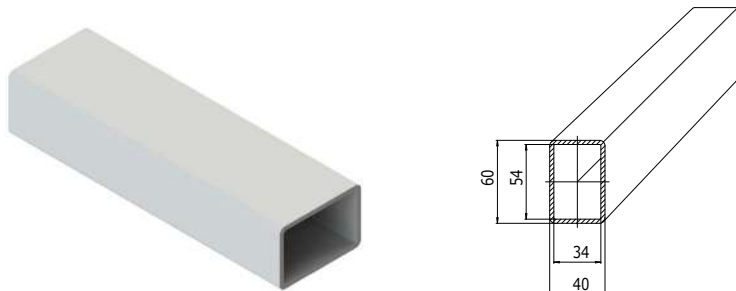
Allows fastening an enclosure directly to the horizontal part of an arm system. To be used in combination with 60x40 mm flat pipe. Allows the enclosure inclination by 50° approximately.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	1.800	300°	Fasteners, seals	R5SLSRI
Corrugated gasket	Plastic	RAL 7035				
Plug	Plastic	RAL 9005				

Flat pipe 60x40 mm

To be used to arrange horizontal arm systems. During the installation this pipe can be cut and reemployed as required with no additional treatments.



Material	Color	Length, mm	Thickness, mm	Weight, g	Code
Steel	RAL 7035	500	4	2.150	R5SLT65
Steel	RAL 7035	1000	4	4.300	R5SLT61

Circular pipe diam. 48 mm

To be used to arrange vertical arm systems. During the installation this pipe can be cut and reemployed as required with no additional treatments.



Material	Color	Length, mm	Thickness, mm	Weight, g	Code
Steel	RAL 7035	500	3	1.800	R5SLTC5
Steel	RAL 7035	1000	3	3.600	R5SLTC1

Circular pipe diam. 70 mm

To be used to arrange vertical arm systems. During the installation this pipe can be cut and reemployed as required with no additional treatments.



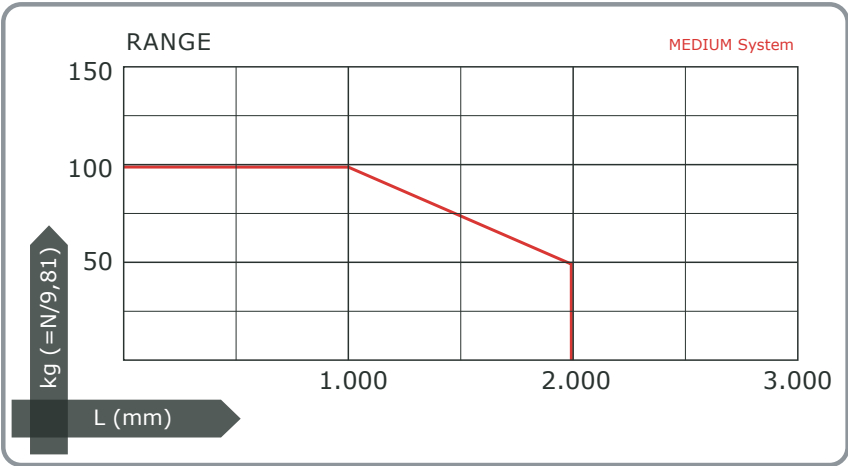
Material	Color	Length, mm	Thickness, mm	Weight, g	Code
Steel	RAL 7035	500	3	3.600	R5SLTC75
Steel	RAL 7035	1000	3	6.900	R5SLTC71

MEDIUM Support arm system



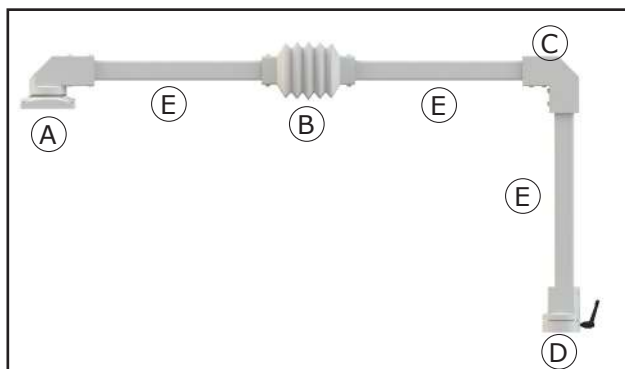
ARM SYSTEM

MEDIUM support arm system can be created combining various joints with 50x50 mm pipe both for horizontal and vertical parts of the arm.
This system is particularly suitable where heavy medium loads are expected.
The below diagram illustrates the load capacity according to the system length.
Joints are manufactured of aluminium alloy painted RAL 7035.
Corrugated gaskets are made of a plastic material of RAL 7035 color.
The connection pipe is made of sheet steel painted RAL 7035 with the dimensions of 50x50 mm, 4 mm thick, with 42x42 mm bore for cables passage. The system protection degree is IP54 as per EN 60529.
Joints, pipes and enclosures of special colors can be supplied upon request.
Based on different requirements it is possible to connect new ALUFRAME control enclosures or conventional DKC boxes of CE, CLE and CDE series.

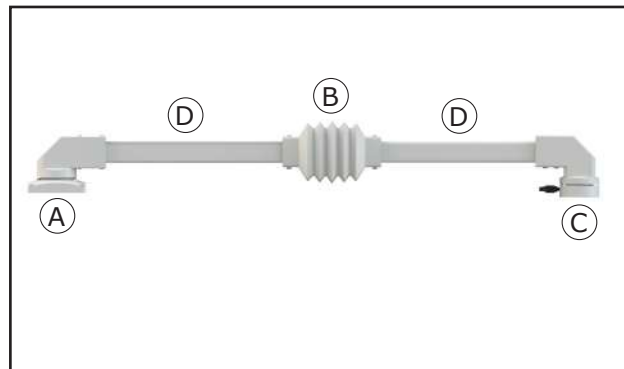


Technical Specifications	
Material of joints	Aluminium alloy painted RAL 7035
Material of pipes	Steel verniciato RAL 7035
Corrugated gaskets color	RAL 7035
Protection degree	IP54
Approvals	CE 

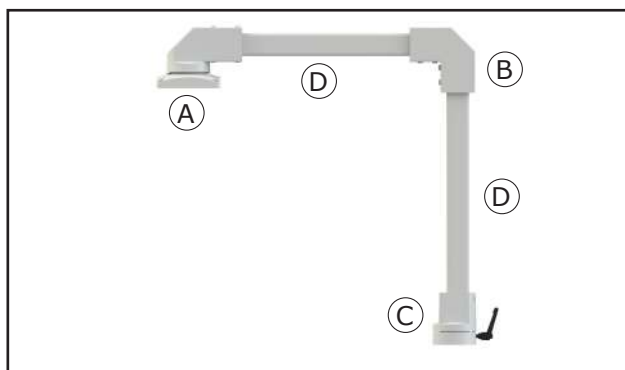
Configuration options with rotating turret


Configuration 1

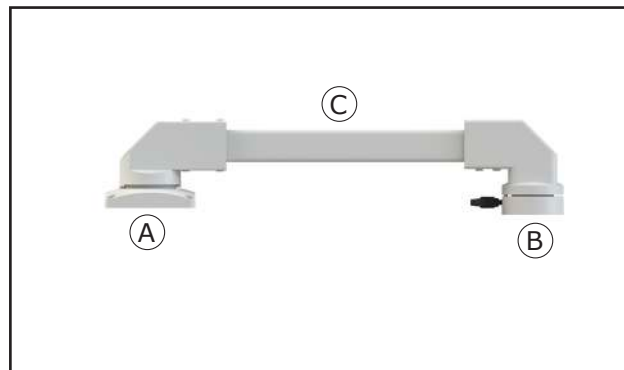
Rif.	Description	Code	Quant.
A	Rotating turret	R5SMSTR	1
B	Intermediate joint	R5SMSIN	1
C	Angle coupling	R5MSAF	1
D	Straight joint	R5MSDF	1
E	Square pipe	R5SLT5X*	3


Configuration 2

Rif.	Description	Code	Quant.
A	Rotating turret	R5SMSTR	1
B	Intermediate joint	R5SMSIN	1
C	Rotating joint	R5MSRF	1
D	Square pipe	R5SLT5X*	2

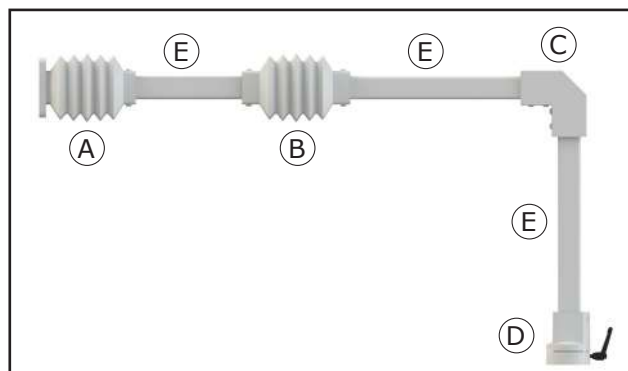

Configuration 3

Rif.	Description	Code	Quant.
A	Rotating turret	R5SMSTR	1
B	Angle coupling	R5MSAF	1
C	Straight joint	R5MSDF	1
D	Square pipe	R5SLT5X*	2


Configuration 4

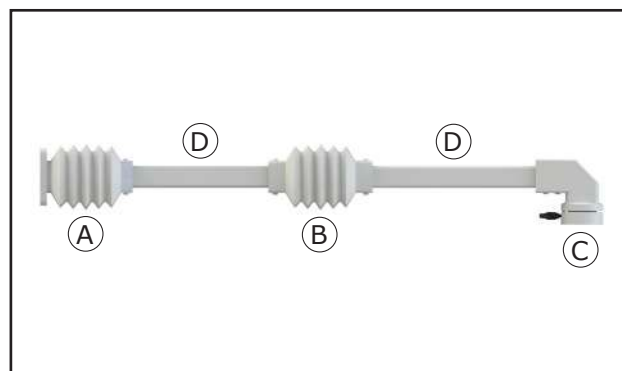
Rif.	Description	Code	Quant.
A	Rotating turret	R5SMSTR	1
B	Rotating joint	R5MSRF	1
C	Square pipe	R5SLT5X*	1

Configuration options with wall mount joint



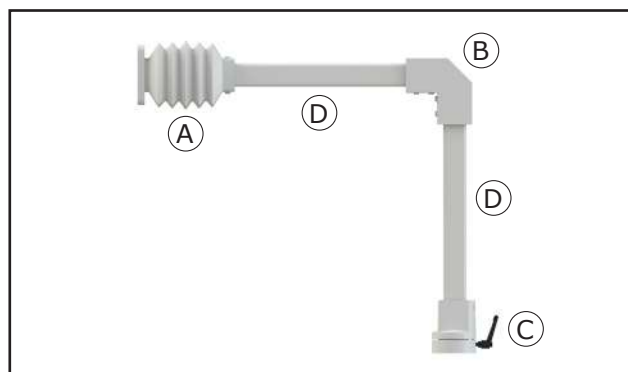
Configuration 5

Rif.	Description	Code	Quant.
A	Wall mount joint	R5SMSAP	1
B	Intermediate joint	R5SMSIN	1
C	Angle coupling	R5SMSAF	1
D	Straight joint	R5SMSDF	1
E	Square pipe	R5SLT5X*	3



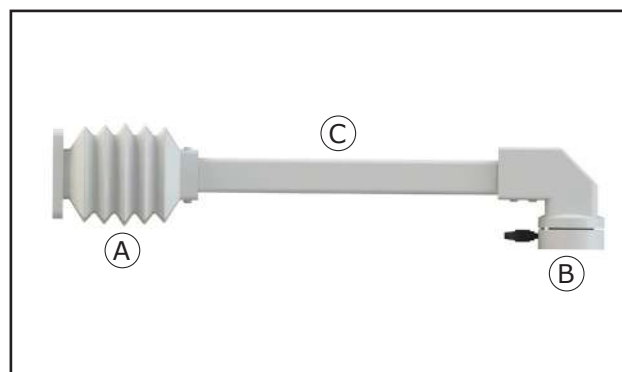
Configuration 6

Rif.	Description	Code	Quant.
A	Wall mount joint	R5SMSAP	1
B	Intermediate joint	R5SMSIN	1
C	Rotating joint	R5SMSRF	1
D	Square pipe	R5SLT5X*	2



Configuration 7

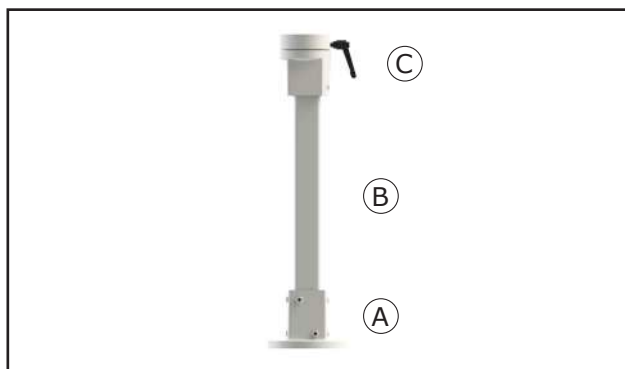
Rif.	Description	Code	Quant.
A	Wall mount joint	R5SMSAP	1
B	Angle coupling	R5SMSAF	1
C	Straight joint	R5SMSDF	1
D	Square pipe	R5SLT5X*	2



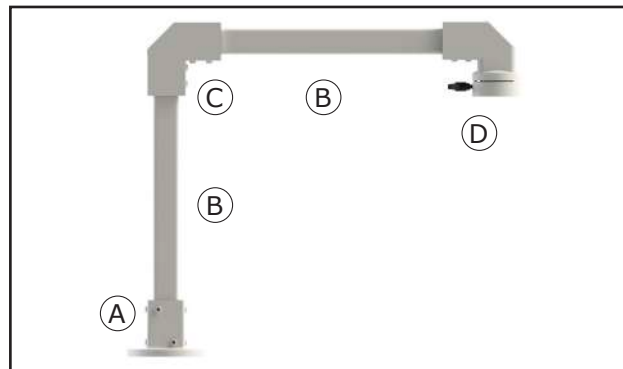
Configuration 8

Rif.	Description	Code	Quant.
A	Wall mount joint	R5SMSAP	1
B	Rotating joint	R5SMSRF	1
C	Square pipe	R5SLT5X*	1

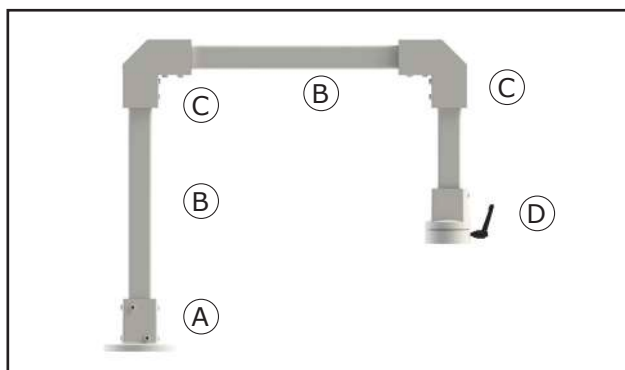
Configuration options with starts from ground


Configuration 1

Rif.	Description	Code	Quant.
A	Ground joint	R5SMGPT50	1
B	Square pipe	R5SLT5X*	1
C	Straight joint	R5SMSDF	1


Configuration 2

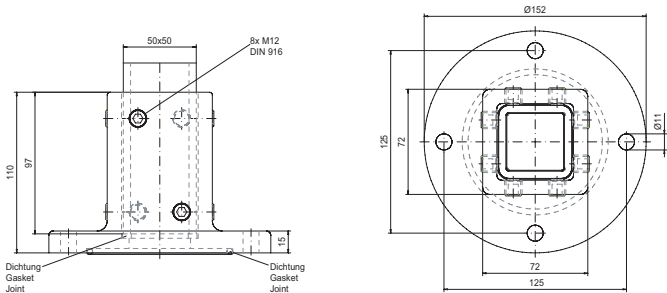
Rif.	Description	Code	Quant.
A	Ground joint	R5SMGPT50	1
B	Square pipe	R5SLT5X*	2
C	Angle coupling	R5SMSAF	1
D	Rotating joint	R5MSRF	1


Configuration 3

Rif.	Description	Code	Quant.
A	Ground joint	R5SMGPT50	1
B	Square pipe	R5SLT5X*	2
C	Angle coupling	R5SMSAF	2
D	Straight joint	R5SMSDF	1

Joint from ground

For the start from the ground and / or horizontal surfaces. Use in conjunction with square tube 50x50 mm

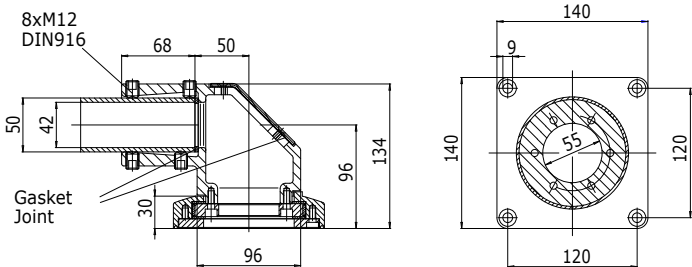


Item	Material	Color	Weight, g	Included parts	Code
Joint	Aluminium alloy	RAL 7035	3.250	Fasteners, seals	R5SMGPT50

ARM SYSTEM

Rotating turret

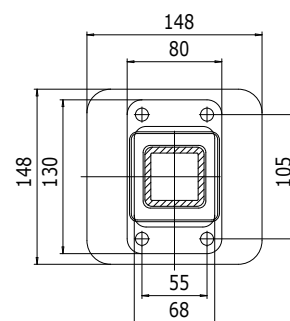
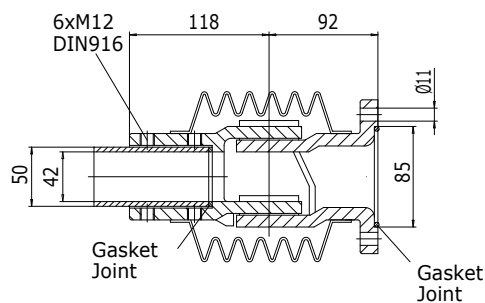
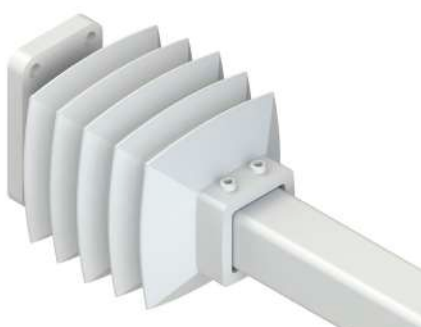
Purposed for mounting to a enclosure roof and/or horizontal surfaces. To be used in combination with 50x50 mm square pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	5.400	300°	Fasteners, seals	R5SMSTR

Wall mount joint

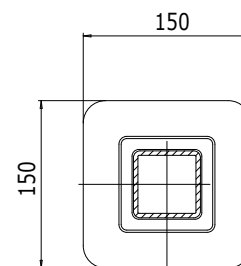
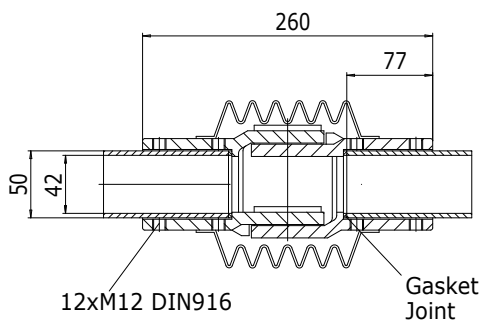
Purposed for mounting to an enclosure wall and/or vertical surfaces. To be used in combination with 50x50 mm square pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	4.350	170°	Fasteners, seals	R5SMSAP
Corrugated gasket	Plastic	RAL 7035				

Intermediate joint

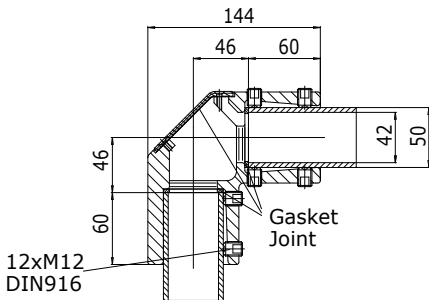
Allows coupling several horizontal elements of an arm system providing its rotation. To be used in combination with 50x50 mm square pipes.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	4.250	170°	Fasteners, seals	R5SMSIN
Corrugated gasket	Plastic	RAL 9005				

Angle coupling 90°

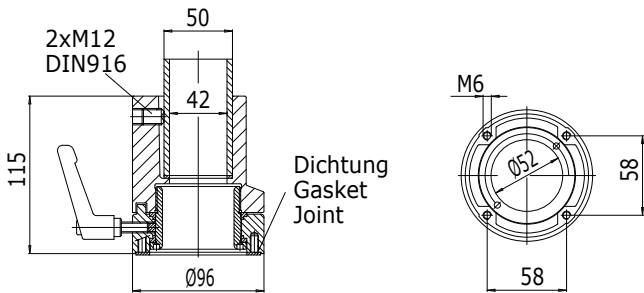
Purposed to join horizontal and vertical elements of an arm system. To be used in combination with 50x50 mm square pipes.



Item	Material	Color	Weight, g	Included parts	Code
Joint	Aluminium alloy	RAL 7035	1.350	Fasteners, seals	R5SMSAF

Straight joint

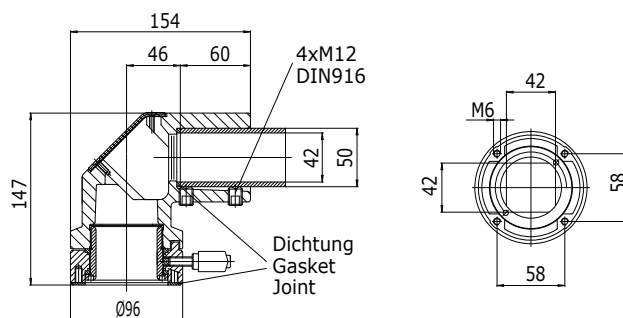
Purposed to fasten an enclosure to the vertical part of an arm system. To be used in combination with 50x50 mm square pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	1.250	300°	Fasteners, seals	R5SMSDF

Rotating joint 90°

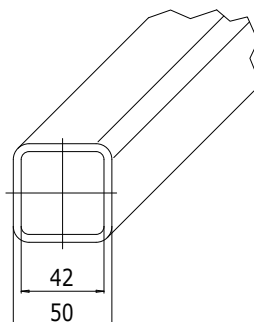
Purposed to fasten an enclosure directly to the horizontal part of an arm system. To be used in combination with 50x50 mm square pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	2.000	300°	Fasteners, seals	R5SMSRF

Square pipe 50x50 mm

To be used for horizontal and vertical arm parts composition. During the installation this pipe can be cut and reemployed as required with no additional treatments.



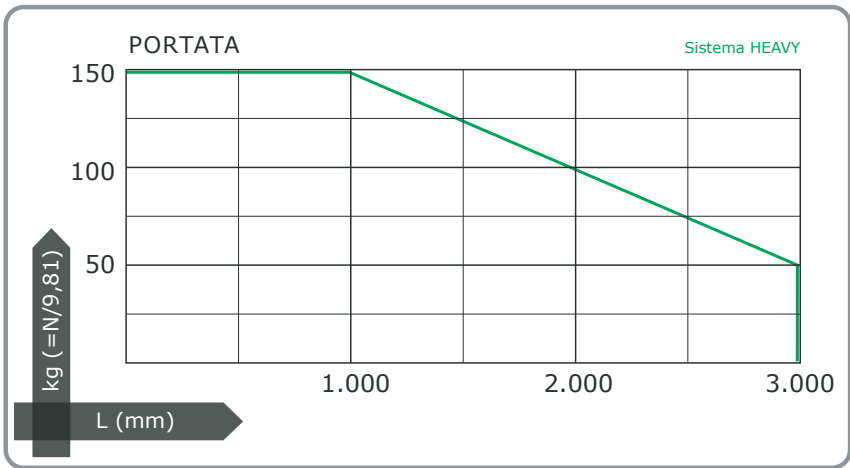
Material	Color	Length, mm	Thickness, mm	Weight, g	Code
Steel	RAL 7035	500	4	3.375	R5SLT55
Steel	RAL 7035	1000	4	6.750	R5SLT51
Steel	RAL 7035	2000	4	13.500	R5SLT52

HEAVY Support arm system



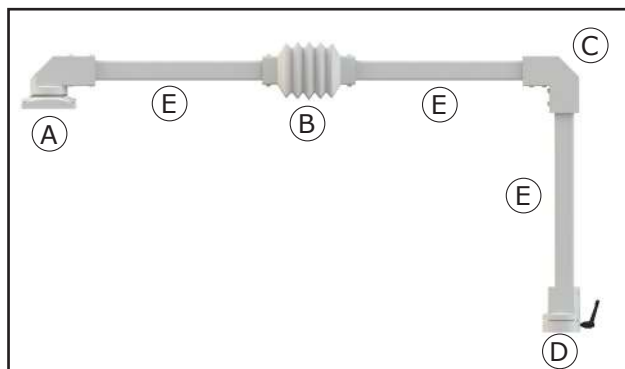
ARM SYSTEM

HEAVY support arm system can be created combining various joints with 80x80 mm pipe both for horizontal and vertical parts of the arm. This system is particularly suitable where heavy loads are expected. The below diagram illustrates the load capacity according to the system length. Joints are manufactured of aluminium alloy painted RAL 7035. Corrugated gaskets are made of a plastic material of RAL 7035 color. The connection pipe is made of sheet steel painted RAL 7035 with the dimensions of 80x80 mm, 4 mm thick, with 72x72 mm bor for cables passage. The system protection degree is IP54 as per EN 60529. Joints, pipes and enclosures of special colors can be supplied upon request. Based on different requirements it is possible to connect new ALUFRAME control enclosures or conventional DKC boxes of CE, CLE and CDE series.

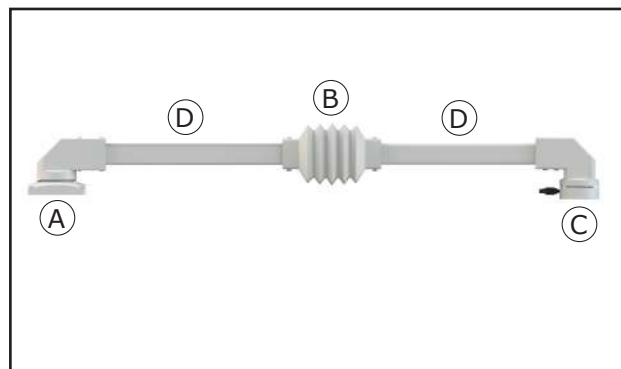


Technical Specifications	
Material of joints	Aluminium alloy painted RAL 7035
Material of pipes	Steel painted RAL 7035
Corrugated gaskets color	RAL 7035
Protection degree	IP54
Approvals	CE PG

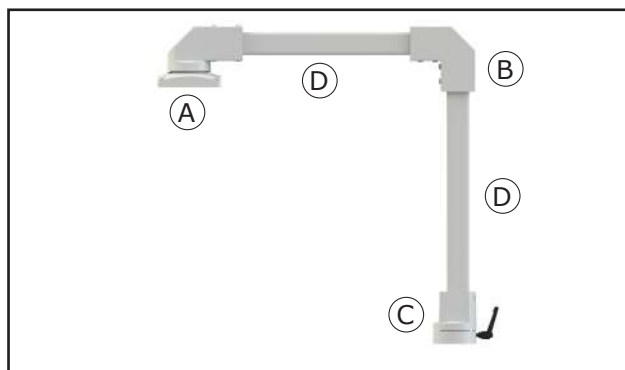
Configuration options with rotating turret


Configuration 1

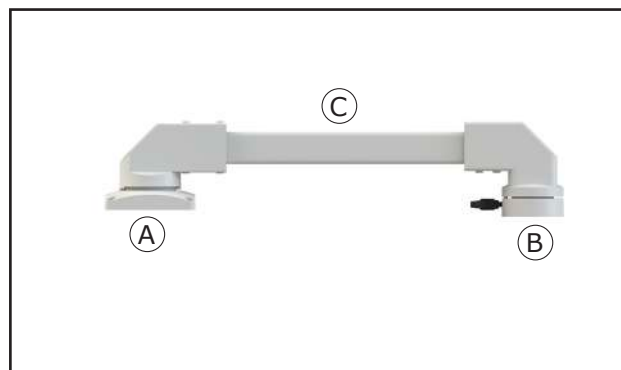
Rif.	Description	Code	Quant.
A	Rotating turret	R5SHSTR	1
B	Intermediate joint	R5SHSIN	1
C	Angle coupling	R5SHSAF	1
D	Straight joint	R5SHSDF	1
E	Square pipe	R5SLT8X*	3


Configuration 2

Rif.	Description	Code	Quant.
A	Rotating turret	R5SHSTR	1
B	Intermediate joint	R5SHSIN	1
C	Rotating joint	R5SHSRF	1
D	Square pipe	R5SLT8X*	2

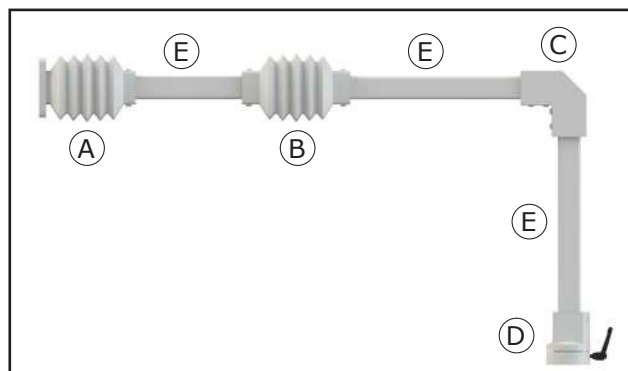

Configuration 3

Rif.	Description	Code	Quant.
A	Rotating turret	R5SHSTR	1
B	Angle coupling	R5SHSAF	1
C	Straight joint	R5SHSDF	1
D	Square pipe	R5SLT8X*	2


Configuration 4

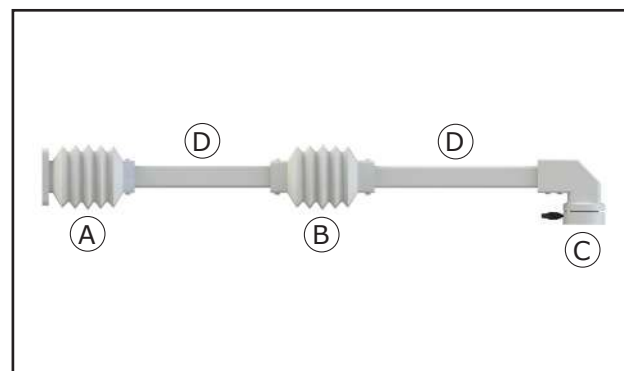
Rif.	Description	Code	Quant.
A	Rotating turret	R5SHSTR	1
B	Rotating joint	R5SHSRF	1
C	Square pipe	R5SLT8X*	1

Configuration options with wall mount joint



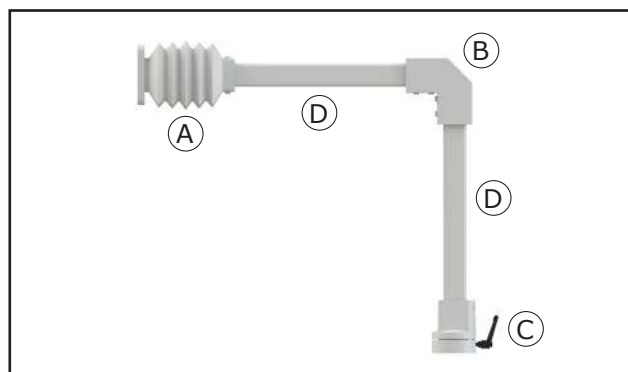
Configuration 5

Rif.	Description	Code	Quant.
A	Wall mount joint	R5SHSAP	1
B	Intermediate joint	R5SHSIN	1
C	Angle coupling	R5SHSAF	1
D	Straight joint	R5SHSDF	1
E	Square pipe	R5SLT8X*	3



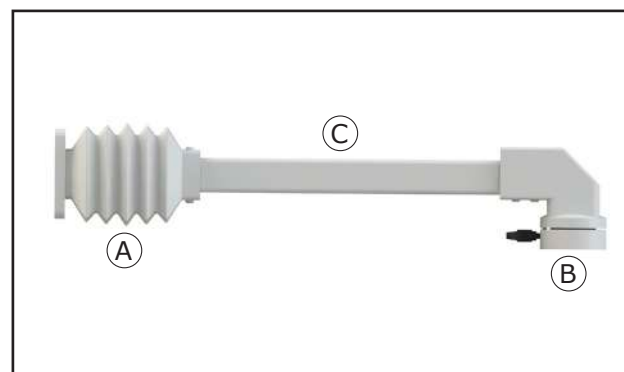
Configuration 6

Rif.	Description	Code	Quant.
A	Wall mount joint	R5SHSAP	1
B	Intermediate joint	R5SHSIN	1
C	Rotating joint	R5SHSRF	1
D	Square pipe	R5SLT8X*	2



Configuration 7

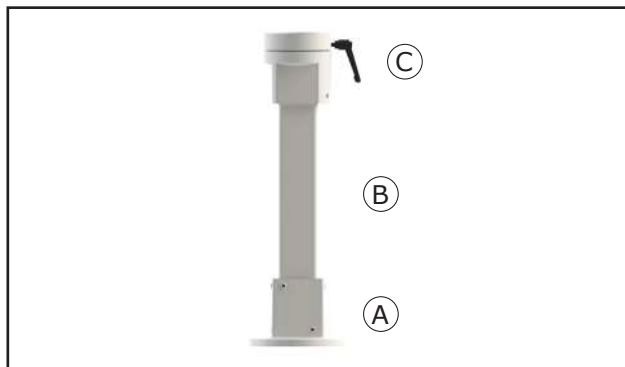
Rif.	Description	Code	Quant.
A	Wall mount joint	R5SHSAP	1
B	Angle coupling	R5SHSAF	1
C	Straight joint	R5SHSDF	1
D	Square pipe	R5SLT8X*	2



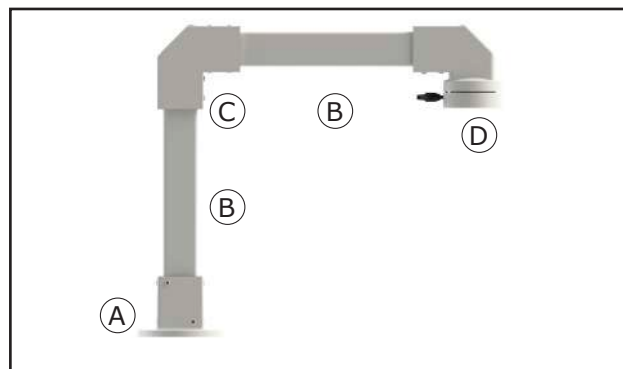
Configuration 8

Rif.	Description	Code	Quant.
A	Wall mount joint	R5SHSAP	1
B	Rotating joint	R5SHSRF	1
C	Square pipe	R5SLT8X*	1

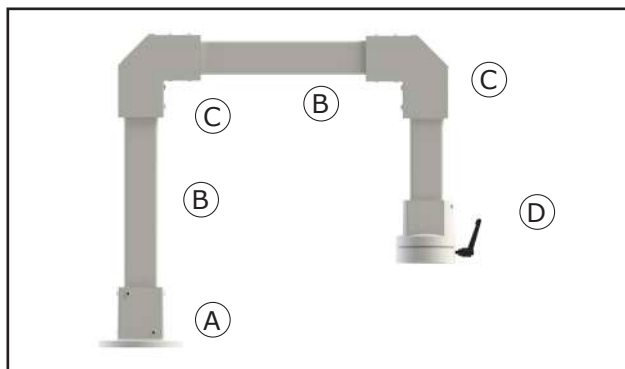
Configuration options with starts from ground


Configuration 1

Rif.	Description	Code	Quant.
A	Ground joint	R5SHGPT80	1
B	Square pipe	R5SLT8X*	1
C	Straight joint	R5SHSDF	1


Configuration 2

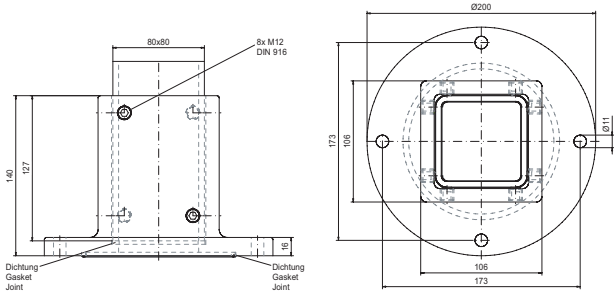
Rif.	Description	Code	Quant.
A	Ground joint	R5SHGPT80	1
B	Square pipe	R5SLT8X*	2
C	Angle coupling	R5SHSAF	1
D	Rotating joint	R5SHSRF	1


Configuration 3

Rif.	Description	Code	Quant.
A	Ground joint	R5SHGPT80	1
B	Square pipe	R5SLT8X*	2
C	Angle coupling	R5SHSAF	2
D	Straight joint	R5SHSDF	1

Joint with starts from ground

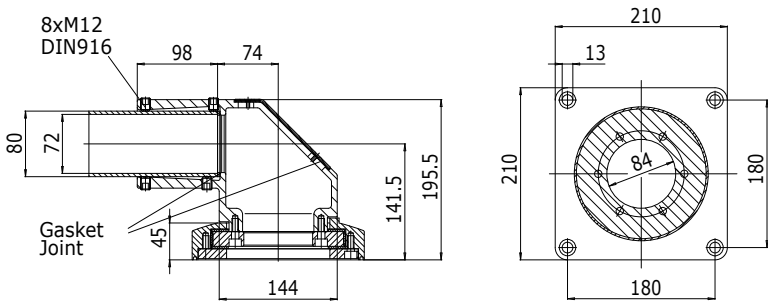
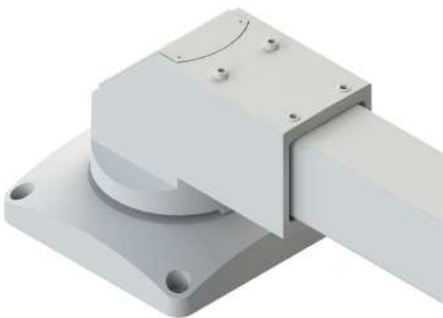
For the start from the ground and / or horizontal surfaces. Use in conjunction with square tube 80x60 mm



Item	Material	Color	Weight, g	Included parts	Code
Joint	Aluminium alloy	RAL 7035	7.000	Fasteners, seals	R5SHGPT80

Rotating turret

Purposed for mounting to a enclosure roof and/or horizontal surfaces. To be used in combination with 80x80 mm square pipe.

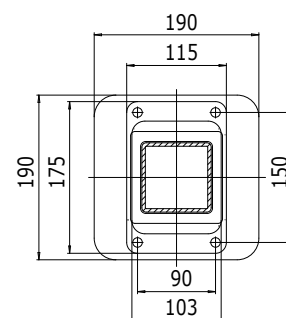
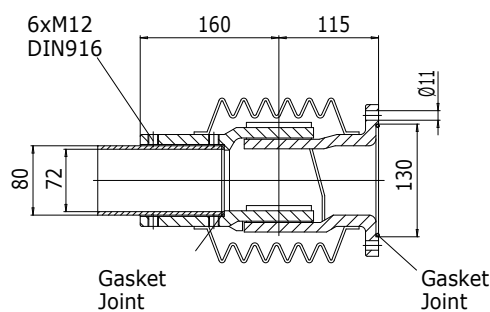


Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	15.700	300°	Fasteners, seals	R5SHSTR

Wall mount joint

Purposed for mounting to an enclosure wall and/or vertical surfaces. To be used in combination with 80x80 mm square pipe.

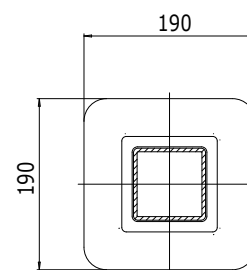
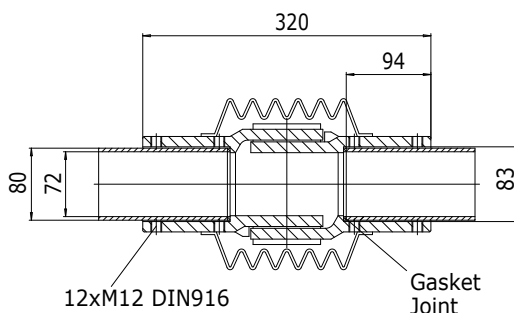
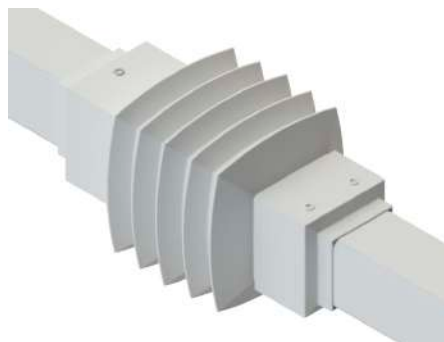
ARM SYSTEM



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	9.450	170°	Fasteners, seals	R5SHSAP
Corrugated gasket	Plastic	RAL 7035				

Intermediate joint

Allows coupling several horizontal elements of an arm system providing its rotation. To be used in combination with 80x80 mm square pipes.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	10.000	170°	Fasteners, seals	R5SHSIN
Corrugated gasket	Plastic	RAL 7035				

90° angle coupling

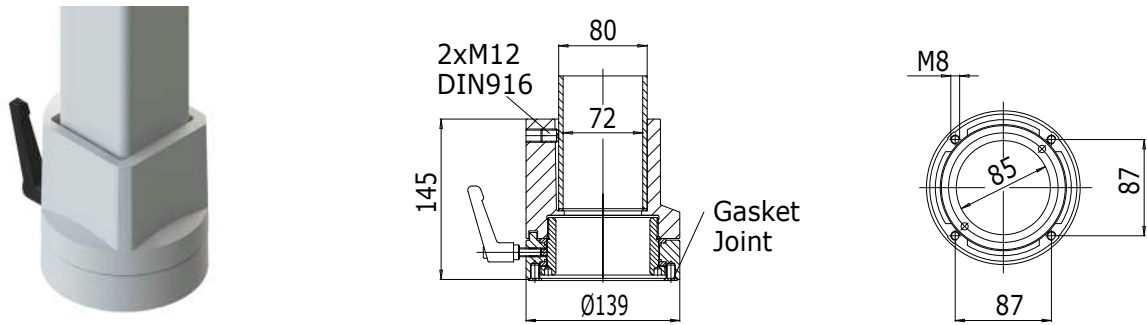
Purposed to join horizontal and vertical elements of an arm system. To be used in combination with 80x80 mm square pipes.



Item	Material	Color	Weight, g	Included parts	Code
Joint	Aluminium alloy	RAL 7035	2.400	Fasteners, seals	R5SHSAF

Straight joint

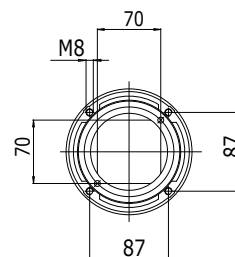
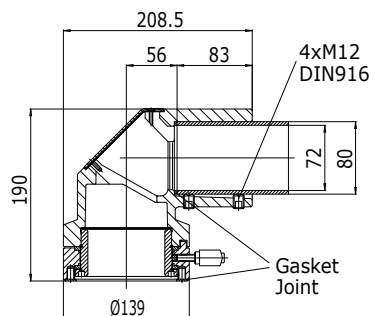
Purposed to fasten an enclosure to the vertical part of an arm system. To be used in combination with 80x80 mm square pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	3.100	300°	Fasteners, seals	R5SHSDF

Rotating joint 90°

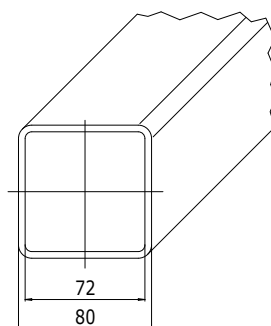
Purposed to fasten an enclosure directly to the horizontal part of an arm system. To be used in combination with 80x80 mm square pipe.



Item	Material	Color	Weight, g	Rotation angle	Included parts	Code
Joint	Aluminium alloy	RAL 7035	6.550	300°	Fasteners, seals	R5SHSRF

Square pipe 80x80 mm

To be used for horizontal and vertical arm parts composition. During the installation this pipe can be cut and reemployed as required with no additional treatments

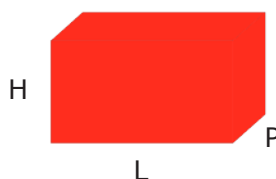


Material	Color	Length, mm	Thickness, mm	Weight, g	Code
Steel	RAL 7035	500	4	5.240	R5SLT85
Steel	RAL 7035	1000	4	10.480	R5SLT81
Steel	RAL 7035	2000	4	20.960	R5SLT82

ALUFRAME series of control enclosures



New ALUFRAME control enclosures have been conceived to complete the support arm systems of DKC. The enclosure casing is manufactured of sheet steel painted textured RAL 7035. The front door, with a locking system on the enclosure side, is hinged and has the opening angle of 180°. The door is composed by a frame of aluminium painted RAL 7035 and a front panel of preanodized aluminium, attachable to the frame by means of self-tapping screws. The front panel is 25/10 thick and is customizable according to the clients' requirements. Internal arrangement can be performed using mounting panels of galvanized steel (not included to the delivery set of ALUFRAME enclosures).



LVU
Useful View Width

HVU
Useful View
Height

Enclosure dimensions			Enclosure casing thickness, mm	Useful surface of aluminium front panel		Code
L, mm	H, mm	P, mm		LVU, mm	HVU, mm	
300	300	150	1,2	254	254	R5AF0331
300	400	150	1,2	254	354	R5AF0341
400	400	150	1,2	354	354	R5AF0441
400	300	150	1,2	354	254	R5AF0431
500	500	150	1,5	454	454	R5AF0551
400	500	150	1,5	354	454	R5AF0451
500	400	150	1,5	454	354	R5AF0541

ALUFRAME Enclosures front panel customizing

The customization code is to be specified on the order (same for all enclosures) and for a correct execution technical drawings are to be provided.

Description	Code
For all ALUFRAME enclosures	RLPPF

Mounting panel for ALUFRAME control enclosures

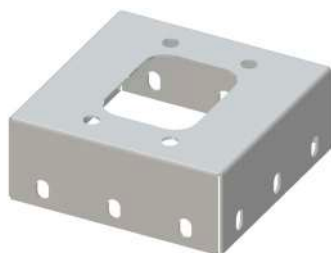


Manufactured of 20/10 thick galvanized sheet steel.
Fasteners included to the delivery set.

Option. Not included to the delivery set of ALUFRAME enclosures.

L, mm	H, mm	Code
300	300	RZPM33
300	400	RZPM34
400	400	RZPM44
400	300	RZPM43
500	500	RZPM55
400	500	RZPM45
500	400	RZPM54

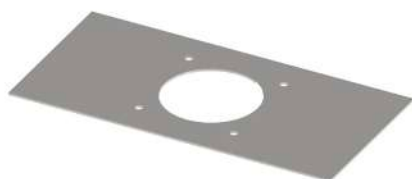
Reinforcement brackets for arm systems mounting to DKC enclosures



20/10 thick galvanized sheet steel.
To be mounted exclusively in combination with RZPDL side rails (DKC RAMBLOCK Catalogue).
Suitable for CQE, and CAE enclosures.

Description	Dimensions (HxLxD), mm	Code
Reinforcement bracket for LIGHT system rotating turret joint	55x150x150	RZSLRSTR
Reinforcement bracket for LIGHT system wall mount hinge joint	55x150x150	RZSLRSAP
Reinforcement bracket for MEDIUM system rotating turret	55x150x150	RZSMRSTR
Reinforcement bracket for MEDIUM system wall mount joint	55x150x150	RZSMRSAP
Reinforcement bracket for HEAVY system rotating turret joint	55x250x250	RZSHRSTR
Reinforcement bracket for HEAVY system wall mount joint	55x250x250	RZSHRSAP

Reinforcement plates for ALUFRAME control enclosures



20/10 thick galvanized sheet steel.
To assemble exclusively inside ALUFRAME enclosures.
Suitable also for CE, CLE, CDE (subject to verification of enclosure dimensions).

Description	Dimensions (LxD), mm	Code
Reinforcement plate for enclosures purposed for LIGHT system	290x130	RZSLPR
Reinforcement plate for enclosures purposed for MEDIUM system	290x130	RZSMPR
Reinforcement plate for enclosures purposed for HEAVY system	290x130	RZSHPR

Handle for ALUFRAME control enclosures



Handle black color polyamide to be installed on ALUFRAME containers to facilitate handling of the same.
Including fixing screws.

Material	Code	Conf./pz
Polyamide black color	RPA25	1

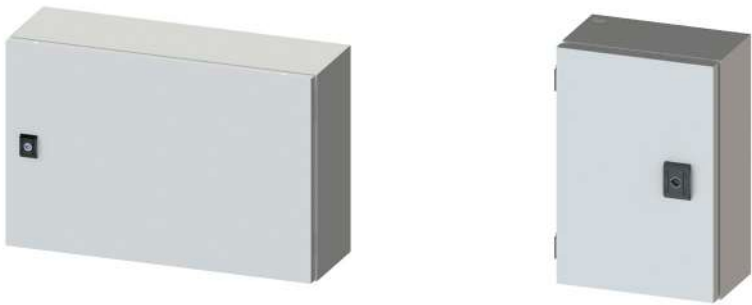
Front panels for ALUFRAME control enclosures (spare accessories)



Front panel of 25/10 thick preanodized aluminium.

L, mm	H, mm	Code
300	300	RZPF33
300	400	RZPF34
400	400	RZPF44
400	300	RZPF43
500	500	RZPF55
400	500	RZPF45
500	400	RZPF54

Other available enclosures **RAM**
BLOCK



It is possible to combine a support arm system to conventional DKC enclosures of CE, CLE and CDE series.
Please, refer to RAMBLOCK catalogue for dimensions and codes.

Overheating (Ref. standard CEI EN 61439-1)

The tables below contain heat dissipation values referred to the dimensions of our enclosures and their installation type. The data on power that can be dissipated (measured in Watt) depends on the overheating allowable inside the enclosure in the upper part, and is to be compared with the sum of power values dissipated by various components installed inside the electrical assembly.

Having come into force the new standard CEI EN 61439-1 for electrical assemblies, the overheating calculations may be effectuated with type tests, design rules, calculations, with no limit of power or current of the electrical assembly.

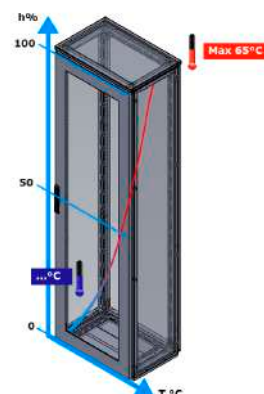
Use of power dissipation tables.

The value of power that can be dissipated depends both on the maximum temperature (T_{MAX}) and on the allowable overheating (Standard CEI EN 61439-1).

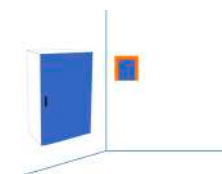
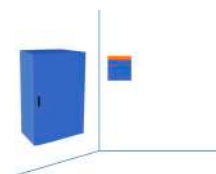
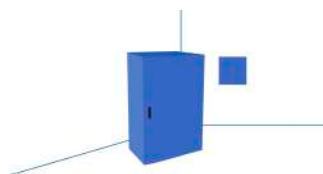
One of the methods of heat dissipation calculation (verification by means of calculations) is specified by CEI 17-43.

Example

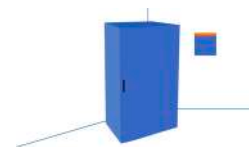
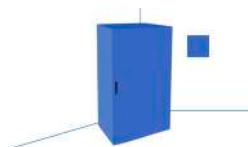
The example used is applicable to all the temperature values given in the tables below. Let us consider an environment temperature of 30°C, the power that can be dissipated is determined in correspondence with the maximum allowable overheating (ΔT), which is equal to 30°C, at the condition that a temperature of 60°C is allowable in the upper part of the enclosure.



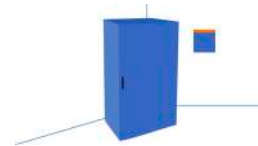
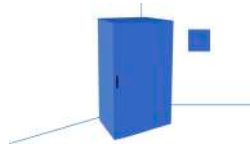
Boxes dimension			Free-standing box				Wall-prop box				Built-in box			
			Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)			
H	L	P	10°	20°	30°	40°	10°	20°	30°	40°	10°	20°	30°	40°
300	250	150	6	17	29	40	6	15	25	39	4	10	19	25
300	300	150	8	19	31	46	8	17	28	41	6	12	21	29
300	400	150	10	23	39	57	9	21	37	55	7	16	27	39
400	300	150	10	24	40	58	9	21	36	51	7	18	27	37
400	300	200	12	26	44	64	11	24	40	59	8	18	30	43
400	400	200	15	35	57	81	12	30	50	72	10	24	40	57
400	600	200	21	48	81	116	18	42	71	102	13	33	57	81
500	300	150	12	28	48	68	10	24	40	60	7	18	29	40
500	300	200	14	32	52	72	12	28	47	69	9	21	33	47
500	400	200	16	39	66	94	15	35	58	83	12	27	45	66
500	400	250	18	43	72	103	17	38	64	90	13	28	48	72
500	500	200	20	47	79	104	18	41	69	100	14	33	54	79
600	400	200	18	45	76	107	18	40	65	94	13	31	50	74
600	400	250	20	52	85	118	19	45	75	106	15	32	54	79
600	600	250	29	68	115	155	27	58	96	134	21	47	77	110
600	800	300	32	76	129	182	30	74	122	171	29	66	110	159
700	500	200	26	62	98	140	21	54	85	122	19	41	72	98
700	500	250	26	68	110	150	25	57	98	138	19	46	74	106
800	600	250	29	68	112	160	29	71	118	171	24	57	96	136
800	600	300	32	75	126	179	28	66	110	156	26	61	100	146
800	800	300	41	98	165	235	36	86	145	204	29	70	115	160
800	1000	300	55	125	214	307	47	110	180	259	36	85	141	202
1000	600	250	32	77	128	180	28	68	114	162	29	69	112	161
1000	600	300	37	87	148	207	34	78	128	183	26	61	98	141
1000	800	300	50	121	201	284	44	106	170	248	35	80	134	191



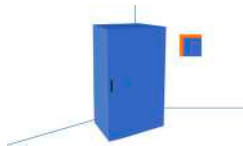
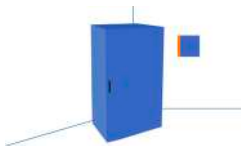
			Free-standing box				Wall-prop box				Built-in box			
Boxes dimension			Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)			
H	L	P	10°	20°	30°	40°	10°	20°	30°	40°	10°	20°	30°	40°
1200	600	300	45	105	172	248	37	88	145	210	29	68	114	162
1200	800	300	60	144	242	342	51	120	200	285	38	90	154	220
1400	600	300	50	120	200	290	42	100	170	237	37	88	144	201
1400	800	300	68	165	274	333	60	140	230	320	44	107	176	250
600	400	400	26	62	102	148	24	56	96	137	16	41	68	98
600	600	400	30	72	120	174	28	67	111	160	24	55	92	132
800	600	400	38	91	154	216	34	82	135	195	28	68	111	161
800	800	400	50	120	201	295	44	106	175	250	32	78	130	187
1000	600	400	46	110	180	262	41	97	161	230	29	70	116	167
1000	800	400	65	150	248	356	54	127	220	307	40	95	155	221
800	1000	200	46	106	173	247	35	84	142	213	32	71	122	172
1000	1000	300	69	160	264	377	56	134	224	308	45	108	180	250
1200	1000	300	78	185	310	430	65	155	260	370	51	122	200	285
1400	1000	300	86	210	350	420	75	181	290	420	60	142	240	340
1200	1200	300	96	220	370	520	80	193	318	450	66	155	262	370
200	300	150	6	14	24	35	6	12	21	28	4	10	16	22
300	300	200	10	21	33	48	10	19	30	43	8	14	23	31
300	400	200	12	30	48	68	11	26	44	63	8	19	32	40
400	400	300	19	40	65	89	15	36	58	80	12	26	42	61
500	500	300	24	51	82	110	21	44	72	106	16	35	56	81
500	600	200	22	50	110	154	27	69	115	168	22	55	94	130
500	600	300	24	52	114	159	29	71	118	172	24	56	98	134
600	400	300	20	48	79	110	20	42	67	96	15	33	53	77
600	500	200	22	50	83	110	20	43	72	105	16	35	56	82
800	600	200	27	66	110	154	27	69	115	168	22	55	94	130
800	800	200	38	90	160	230	34	80	140	190	26	65	110	150
1000	800	200	45	118	190	270	40	98	160	238	32	74	128	180
1000	600	200	30	73	120	172	25	65	110	158	26	66	108	158
1200	600	200	40	100	165	235	34	85	140	200	27	65	110	150



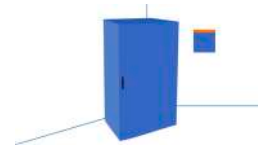
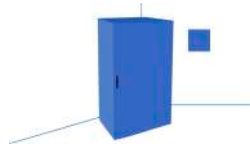
			Free-standing enclosure				Wall-prop enclosure			
Enclosure dimension			Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)			
H	L	P	10°	20°	30°	40°	10°	20°	30°	40°
1400	1200	400	110	265	445	600	105	250	415	592
1400	1200	500	123	298	486	707	110	272	450	646
1400	1600	400	142	332	548	780	116	277	461	651
1400	1600	500	150	373	625	883	136	320	535	751
1400	600	400	60	148	246	354	52	130	217	311
1400	600	500	74	170	297	418	69	162	270	378
1400	800	400	82	195	327	467	67	160	267	380
1400	800	500	94	228	380	534	90	210	345	487
1600	1000	400	100	250	410	591	96	232	385	550
1600	1000	500	116	275	461	655	88	208	345	494
1600	1000	600	126	304	504	720	120	281	467	667
1600	1200	400	118	285	475	676	114	265	438	620
1600	1200	500	131	314	521	740	120	288	477	680
1600	1200	600	140	331	550	790	133	310	534	751
1600	1400	400	122	298	492	700	110	266	446	636
1600	1400	500	135	322	532	761	132	308	500	725
1600	1400	600	148	352	585	823	136	325	545	785
1600	1600	400	128	310	510	728	120	290	475	690
1600	1600	500	137	335	555	790	130	315	524	750
1600	1600	600	150	370	600	870	142	340	564	800
1600	1800	400	150	344	586	835	136	320	538	759
1600	1800	500	152	356	590	840	140	325	546	770
1600	1800	600	165	390	694	920	148	358	592	835
1800	1000	400	110	260	435	610	102	242	401	572
1800	1000	500	122	290	485	690	110	270	448	639
1800	1000	600	130	310	520	740	125	301	494	706
1800	1000	800	150	358	597	848	141	346	571	810
1800	1200	400	125	300	495	708	114	270	450	640
1800	1200	500	136	325	535	767	132	310	511	720
1800	1200	600	146	350	580	827	138	330	546	782
1800	1200	800	167	400	660	940	160	372	622	890
1800	400	400	52	120	200	280	52	120	200	281
1800	400	500	65	158	256	368	60	140	238	341
1800	400	600	79	184	305	430	74	173	283	403
1800	400	800	98	226	379	536	96	224	370	524
1800	600	400	79	188	309	433	71	165	273	385
1800	600	500	92	215	350	500	80	197	321	456
1800	600	600	100	236	388	547	98	222	370	530
1800	600	800	116	275	458	654	110	260	440	629
1800	800	400	98	230	379	536	86	205	340	488
1800	800	500	109	253	416	588	102	239	390	559
1800	800	600	115	275	458	650	108	260	430	614
1800	800	800	135	318	528	757	129	309	517	724



			Free-standing enclosure				Wall-prop enclosure			
Enclosure dimensions			Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)			
H	L	P	10°	20°	30°	40°	10°	20°	30°	40°
2000	1000	400	115	270	458	653	105	253	418	593
2000	1000	500	125	300	501	712	122	285	468	668
2000	1000	600	137	325	540	770	130	310	518	734
2000	1000	800	158	380	625	894	150	356	597	840
2000	1200	400	130	312	515	731	124	293	480	691
2000	1200	500	140	340	561	800	134	316	525	753
2000	1200	600	158	372	608	870	143	340	565	801
2000	1200	800	180	428	710	1010	165	395	655	930
2000	1400	400	145	344	575	818	130	310	520	746
2000	1400	500	158	381	628	896	144	345	575	817
2000	1400	600	176	416	690	979	161	382	630	892
2000	1400	800	210	498	818	1160	190	445	731	1040
2000	1600	400	178	420	701	996	158	368	605	862
2000	1600	500	195	450	750	1078	175	410	685	975
2000	1600	600	206	490	815	1160	198	466	771	1091
2000	1600	800	218	516	867	1223	220	525	870	1245
2000	400	400	64	150	248	348	58	134	222	314
2000	400	500	71	171	280	404	65	156	263	371
2000	400	600	80	190	325	464	78	185	307	438
2000	400	800	98	230	385	553	95	225	380	544
2000	600	400	80	190	320	461	73	170	298	419
2000	600	500	92	218	360	517	86	210	346	491
2000	600	600	100	240	400	569	99	230	380	546
2000	600	800	120	288	475	679	119	281	465	658
2000	800	400	102	240	399	556	95	222	366	519
2000	800	500	110	265	435	615	102	242	409	578
2000	800	600	120	288	481	680	115	270	450	638
2000	800	800	144	335	555	784	136	325	535	755
2200	1000	500	134	315	518	734	125	299	486	691
2200	1000	600	145	343	570	801	137	325	535	750
2200	1000	800	170	400	660	940	155	370	610	871
2200	1200	500	152	356	590	838	139	326	545	768
2200	1200	600	167	391	645	918	150	360	592	840
2200	1200	800	198	465	765	1090	179	426	699	991
2200	400	500	82	190	312	442	74	177	292	412
2200	400	600	89	207	344	483	85	199	328	475
2200	400	800	105	246	407	575	106	245	403	566
2200	600	500	98	225	375	533	93	220	360	510
2200	600	600	110	255	425	598	103	240	400	561
2200	600	800	128	300	495	700	125	290	480	674
2200	800	500	118	275	455	642	110	260	425	600
2200	800	600	130	300	500	700	125	285	470	668
2200	800	800	150	348	575	814	142	335	550	780



Enclosure dimensions			Free-standing enclosure on a side				Wall-prop enclosure rear and on a side			
			Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)			
H	L	P	10°	20°	30°	40°	10°	20°	30°	40°
1400	1200	400	111	264	430	625	100	245	405	572
1400	1200	500	124	290	477	679	110	275	448	638
1400	1600	400	128	303	502	718	103	246	410	580
1400	1600	500	144	340	567	800	121	288	478	680
1400	600	400	57	138	228	325	50	115	195	280
1400	600	500	67	160	264	380	60	145	235	335
1400	800	400	78	185	300	435	66	158	267	375
1400	800	500	92	215	350	503	82	191	314	445
1600	1000	400	100	250	408	576	95	220	365	524
1600	1000	500	111	268	442	728	105	250	415	594
1600	1000	600	121	288	482	687	110	270	448	646
1600	1200	400	116	278	458	659	108	258	427	510
1600	1200	500	130	300	516	728	118	280	465	665
1600	1200	600	138	325	542	773	128	310	510	725
1600	1400	400	121	286	486	688	108	262	438	625
1600	1400	500	135	316	523	746	123	295	490	697
1600	1400	600	138	335	560	795	135	320	530	765
1600	1600	400	124	298	490	710	115	275	450	650
1600	1600	500	135	335	560	800	125	305	510	730
1600	1600	600	150	351	585	836	144	325	548	780
1600	1800	400	142	327	548	796	130	315	520	740
1600	1800	500	146	347	565	806	138	320	525	750
1600	1800	600	155	370	614	870	142	342	570	800
1800	1000	400	105	250	418	595	100	235	393	560
1800	1000	500	118	280	465	108	110	260	430	610
1800	1000	600	128	305	510	725	120	285	475	675
1800	1000	800	148	350	582	830	140	330	550	785
1800	1200	400	120	290	490	690	110	265	440	630
1800	1200	500	135	318	525	750	124	295	492	700
1800	1200	600	140	340	561	800	138	325	538	768
1800	1200	800	160	385	636	908	152	360	600	860
1800	400	400	52	120	194	278	44	100	165	241
1800	400	500	56	135	222	323	51	124	204	296
1800	400	600	66	159	266	378	60	145	242	345
1800	400	800	89	206	338	478	84	196	324	460
1800	600	400	70	170	280	400	63	145	244	345
1800	600	500	85	199	325	460	77	175	290	410
1800	600	600	92	218	360	515	81	200	330	475
1800	600	800	109	256	422	602	105	250	410	590
1800	800	400	91	218	361	519	80	190	320	460
1800	800	500	103	240	399	565	98	225	370	527
1800	800	600	114	265	435	618	105	254	415	590
1800	800	800	128	306	510	726	122	288	480	680



			Free-standing enclosure on all sides				Wall-prop enclosure rear			
Enclosure dimensions			Delta T (C°) Power dissipation capability (W)				Delta T (C°) Power dissipation capability (W)			
H	L	P	10°	20°	30°	40°	10°	20°	30°	40°
2000	1000	400	110	265	440	627	102	240	400	574
2000	1000	500	125	290	485	690	110	270	450	640
2000	1000	600	132	315	521	747	125	298	495	704
2000	1000	800	150	350	590	840	142	342	568	812
2000	1200	400	125	300	500	713	116	280	460	660
2000	1200	500	140	340	565	808	130	310	518	735
2000	1200	600	151	358	588	838	142	330	550	785
2000	1200	800	170	405	670	960	160	378	630	896
2000	1400	400	140	338	565	800	130	310	510	739
2000	1400	500	150	368	610	870	140	340	560	810
2000	1400	600	168	400	665	945	154	370	612	865
2000	1400	800	198	460	762	108	170	425	699	990
2000	1600	400	165	390	650	930	141	330	550	786
2000	1600	500	180	432	715	1021	152	370	615	876
2000	1600	600	196	465	770	1100	178	410	685	979
2000	1600	800	220	520	860	1232	206	485	810	1153
2000	400	400	59	135	220	323	52	120	198	276
2000	400	500	66	150	250	358	59	136	220	320
2000	400	600	73	170	288	411	66	165	265	380
2000	400	800	88	210	350	510	87	205	345	485
2000	600	400	74	180	300	431	65	160	260	381
2000	600	500	88	210	350	500	80	190	310	445
2000	600	600	94	225	375	530	90	215	350	509
2000	600	800	111	265	440	632	105	250	425	601
2000	800	400	98	225	375	535	89	210	345	491
2000	800	500	109	250	412	586	100	240	391	551
2000	800	600	118	278	454	645	110	260	430	606
2000	800	800	135	319	525	745	128	302	502	720
2200	1000	500	125	300	495	710	118	285	471	667
2200	1000	600	135	325	545	765	135	315	515	729
2200	1000	800	160	375	625	880	155	360	590	836
2200	1200	500	146	345	565	805	135	320	525	745
2200	1200	600	155	372	615	879	144	345	575	812
2200	1200	800	185	435	718	1010	170	397	660	932
2200	400	500	75	170	278	300	67	158	255	360
2200	400	600	78	185	311	420	77	175	288	410
2200	400	800	97	225	370	525	94	220	365	515
2200	600	500	90	218	358	506	87	205	336	474
2200	600	600	102	228	375	555	98	224	375	529
2200	600	800	118	279	465	652	114	270	442	626
2200	800	500	113	265	435	610	103	244	401	568
2200	800	600	123	288	476	669	112	268	442	626
2200	800	800	139	325	545	768	135	315	520	739

Product	Product Certifications										
	CEI EN 62208				UL508A, UL50, C22.2 n. 14 95 and CAN/CSA C22.2 n.94-M91			Ship building standards	Seismic tests	Short circuit-test as per CEI EN 61439-1-2 3500 A	Certification EAC
		IP	IK		TYPE		* 				
CDE	•	66	10		1,12,4	•		•			•
CDE with flanges	•	55	10		1,12	•		•			
CE	•	66	10	•	1,12,4	•		•	•		•
CE with double door	•	55	10	•	1,12	•		•	•		•
CE with glazed door	•	66	09	•				•			
CQE	•	55	10	•	1,12,4	•		•	•	•	•
CQE with double door	•	55	10	•	1,12	•		•	•	•	•
CQE with glazed door	•	55	09	•				•		•	•
CQE Kit	•	55	10	•	1,12,4		•	•	•	•	•
CQE Kit double door	•	55	10	•	1,12		•	•	•	•	•
CQE kit with glazed door	•	55	09	•				•		•	•
CQEC/CQEMC	•	55	10								
CAE	•	55	10		1,12,4	•		•	•		
CAE with double door	•	55	10		1,12	•		•	•		
CAE with glazed door	•	55	09					•			
Consoles	•	55	10		1,12		•		•		
Rambox	•	67	08								•
Fan-filters	•	54	-				•				
CE inox	•	66	10	•	1,12,4X	•		•			•
CE inox double door	•	55	10	•	1,12	•		•			•
CDE inox	•	66	10	•	1,12,4X	•		•			•

Laser cutting

OVERVIEW

The complexity of cutting out-lines and the increasing necessity to speed up the cutting operations in manufacturing processes led the company to the modern technologies of laser cutting many years ago. The technology of laser provides a good operating speed, a good cutting quality and an excellent accuracy, which is about 0.05 mm.

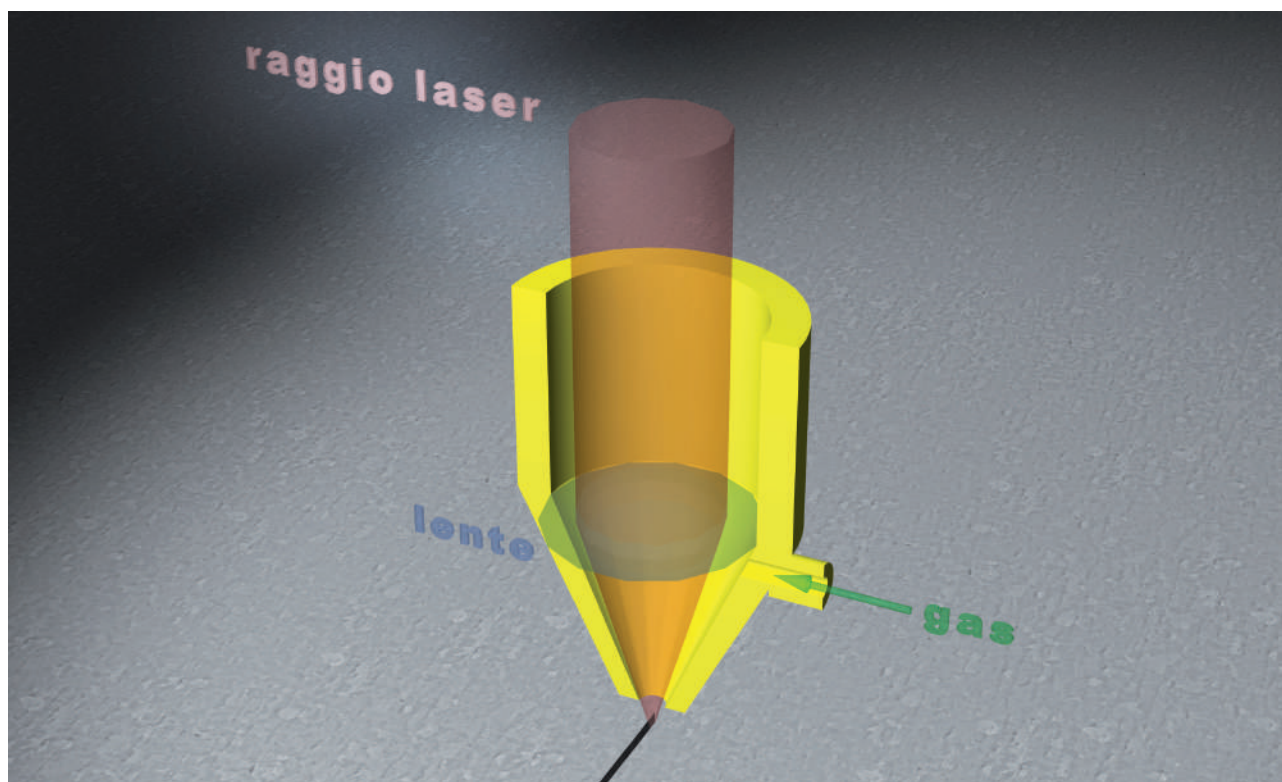
LASER BEAM

The word LASER is an acronym of **L**ight **A**mplification by the **S**timulated **E**mission of **R**adiation. This acronym constitutes the operating principle of the laser. Fundamentally a laser is a tube containing a gas (usually CO_2). One of the ends is blanked by a reflective mirror and the other one by a semi-reflective mirror. A light transporting energy goes through this tube. Generally, passing through the tube, this light loses (imparts) the energy exciting the gas atoms, which have a low energy level. By virtue of this energy increase of the atoms and by making use of the probabilistic calculation named "Einstein consideration" (the ratio between excited atoms and base energy level atoms), the stimulated emission of radiations is obtained, which leave the tube obviously from the end blanked by a semi-reflective mirror. What comes out of this tube is commonly named a "laser beam".

LASER BEAM CUTTING

The laser beam is focused through a lens just below the item to be cut. The action of this focus is that the material evaporates. In metals cutting also a pressurized gas is used, which is usually oxygen or nitrogen.

The gas is used to blowout molten metal to clear the cut (kerf), the width of which is about 0.15 mm. The choice of the gas depends on the results one desires to achieve: oxygen is applied in processes with high cutting speed, but it is probable that the layer of ferrous oxide formed on the cutting surface impede the correct adhesion of some paint types. Besides that, in case of hard steel alloys, such as inox, their corrosion resistance may be locally disrupted. In this case, instead of oxygen, pure nitrogen is used, since even a small trace of oxygen may compromise its beneficial action.



Powder painting

OVERVIEW

The necessity to have a protection against atmospheric agents and humidity makes painting nearly essential for all components, which are not manufactured of stainless steel or treated by galvanization.

PAINTING PROCESS

The principle of powder painting is very simple. A finest powder is electrostatically charged passing through special guns, which spray it into a paint booth. The article to be painted is placed therein and electrically grounded. In this way the cloud of powder paint is attracted to the surface of the article and settles evenly thereon. Straight afterwards the article is transferred to an oven, at which a particular heat cycle is carried out that determines the powder crosslinking and stimulates its adhesion to the metal surface. The article remains for about 20 minutes under a temperature of 200°C. Having left the oven the article is finished and painted. Using various mixtures it is possible to obtain as many finishes. Our company mainly use "textured" or "smooth" type of finish. The applied powder is of a thermosetting type, made of solid epoxy resins specifically formulated with selected pigments, saturated with additives capable to provide hard and flexible films with fine general characteristics. The average optimal thickness of the film is included in the range between 60 and 80 µm.

PREPARATION OF THE ARTICLE TO BE PAINTED

It is one of the most laborious phases of the whole process, since it determines to a large extent a good or a poor result of painting. The first step is degreasing, when every trace of impurities, oil and dust is removed from the article to be painted. It is followed by a phase of alkaline phosphating at 60°C. Finally it is dried in a special oven at 110°C. The article must enter the painting chamber being completely dry and clean.

TESTS AND CERTIFICATIONS

The entire painting cycle has passed the tests, which confirm its correct performance. The data and results of the tests are given here below. The treatments performed are: phosphating SP 33, degreasing TS 3 (30 °C, 2 minuti, pH 5.0) and passivating PK 4 (ambient temperature, 30 sec, pH 5.2)

Curing: carried out according to the powder manufacturer's instructions, the settling time is equal to 48 hours before testing.

Test type	Parameters	Unit of measurement	Reference Standard	Results
Adhesion (squared pattern)	GT 0	---	ISO 2409	100 %
Bell impact test	≥ 2,5	Nm	ECCA T5	No film detachment
Ericksen cupping test	≥ 5	mm	ISO 1520	No film detachment
Mandrel bending test 5 mm	5	mm	ISO 1519	No film detachment
Sea-fog test	200	ore	ISO 9277	1mm penetration on the cross

Short-circuit

The short-circuit test is carried out in order to determine the resistance to dynamic and thermal stress up to achieving the maximum set short-circuit values.

The short-circuit verification, as per IEC EN 61439-1-2, may be carried out with:

- Type tests
- Design rules
- Calculations

A verification of short-circuit withstand strength is not necessary in the followings cases:

- I_{cw} / I_{cc} is less than or equal to 10 kA
- for electrical assemblies protected with a delimiter of Peak Current less than or equal to 17kA
- for auxiliary circuits of a board connected to transformers with the nominal power:
 1. less or equal to 10 kVA with the nominal secondary voltage more or equal to 110 V
 2. less or equal to 1.6 kVA with the nominal secondary voltage less than 110 V
 3. the short-circuit voltage of which in both the cases is not less than 4%
- for all the board parts (main busbars, main busbar supports, connections to busbars, input and output units, safety and control devices, etc.), which have been already tested with valid results for the existing conditions

CQE enclosure has passed the Short-Circuit tests and the Protection Circuit verification.

Technical Data of the Tests at ACAE LOVAG test laboratory

Nominal specifications as per Class 5

Operating voltage: 690V

Insulation voltage: 1000V

Frequency: 50/60 Hz

Nominal Current of main busbar system: 3500A

Current type: alternating

Short-circuit withstand strength Test

Main circuits (3P test)

Short-time withstand current (I_{cw}): 80 kA / 1 sec

Peak withstand current (I_{pk}): 176 kA

Protection circuit

Short-time withstand current (I_{cw}): 48 kA / 1 sec

Peak withstand current (I_{pk}): 101 kA

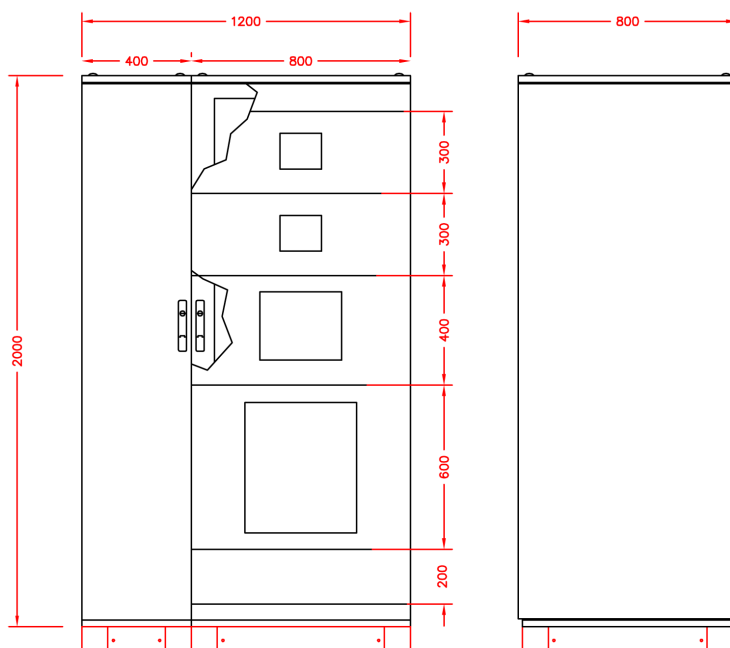
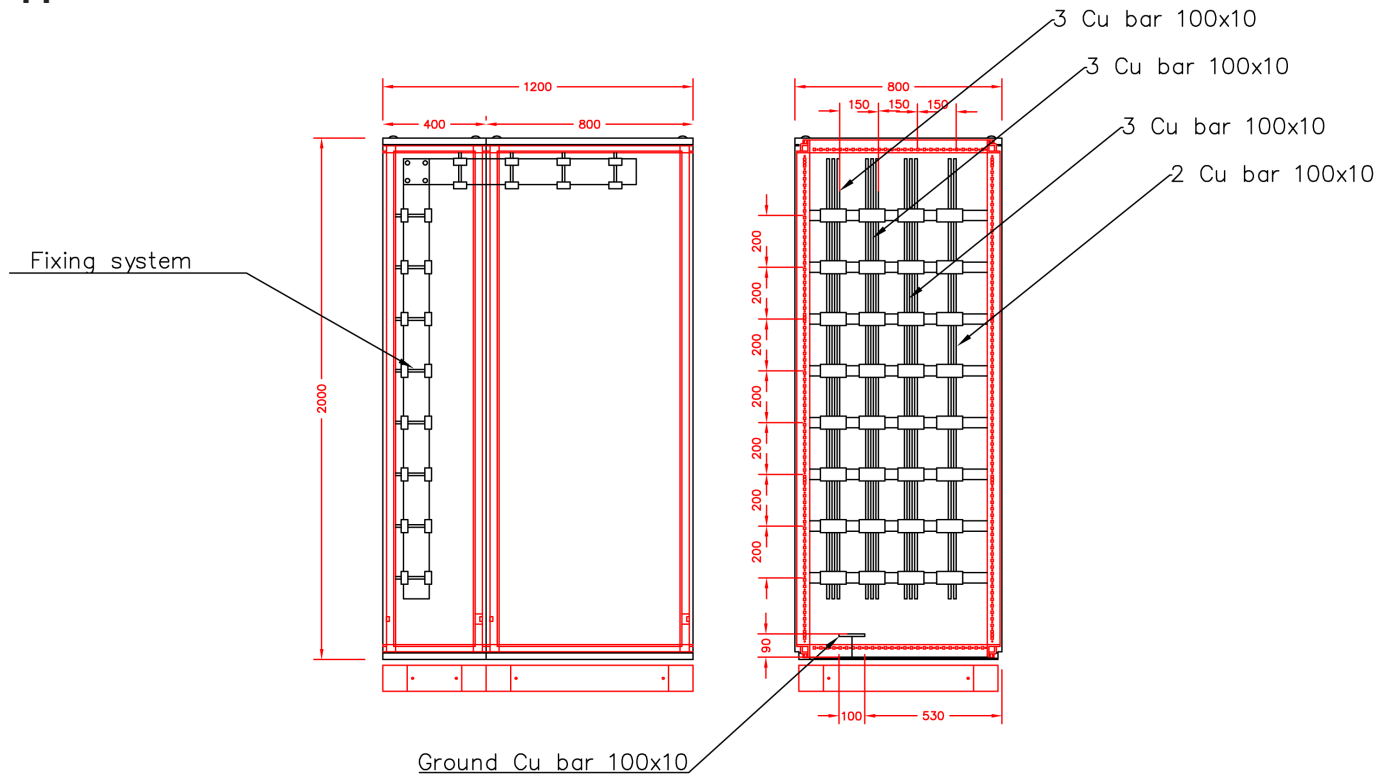
Verification of earth continuity between devices and protection circuit

Short-time withstand current (I_{cw}): 48 kA / 1 sec

Peak withstand current (I_{pk}): 101 kA

$R = 0,98 \text{ m}\Omega$





TYPES OF SEPARATION ACCORDING TO STANDARDS IN FORCE

A necessity to construct electrical assemblies with a high level of safety and reliability is to be handled as per CEI EN 61439-2 standard, which offers a possibility to build electrical assemblies with internal separations, compartments or sections of various values and forms.

The separations allow servicing various components, making emergency substitutions without de-energising the assembly.

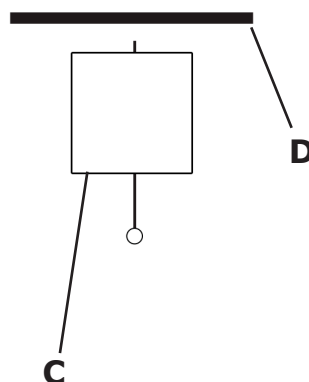
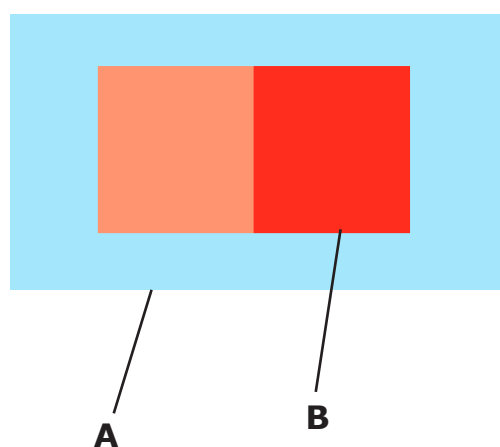
Internal separations are made with the following elements:

- Partitions: this denomination means a part of the enclosure of a compartment purposed to separate it from other compartments.
- Barrier: a part providing protection against direct contact from any usual direction of access, and against electrical arcs originated by functional units.

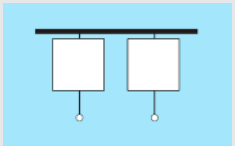
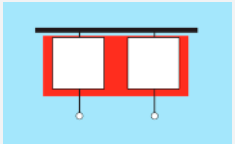
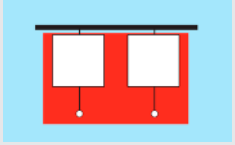
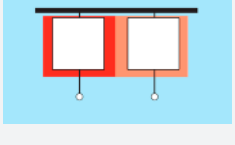
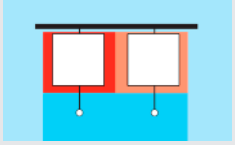
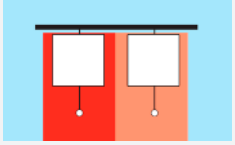
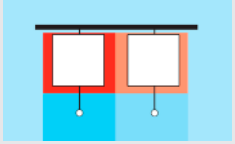
Internal separations made with the help of partitions or barriers allow obtaining a protection against contacts with live parts of adjacent functional units and/or a protection against the passage of foreign solid bodies from one unit of an assembly to an adjacent one.

There are different forms of separation, which are classified according to the following table. The form of separation is not chosen in accordance with an assembly type, but is the subject of an agreement between assembly manufacturer and user

Key for separation tables as per CEI EN 61439-2



- A:** enclosure
- B:** internal separation
- C:** functional units including terminals for associated external conductors
- D:** busbars including distribution busbars

Primary criterion	Secondary criterion	Form	
No separation	-	Form 1	
Separation of busbars from functional units	Terminals for conductors non separable from busbars	Form 2A	
	Terminals for conductors separable from busbars	Form 2B	
Separation of busbars from functional units. Separation of all functional units from each other. Separation of terminals for external conductors from functional units but not from each other	Terminals for conductors non separable from busbars	Form 3A	
	Terminals for conductors separable from busbars	Form 3B	
Separation of busbars from functional units and separation of all functional units from each other, including terminals for external conductors, which are an integral part of functional units.	Terminals for external conductors in the same compartment as the associated functional unit	Form 4A	
	Terminals for external conductors not in the same compartment as the associated functional unit, but in individual, separate, enclosed protected spaces and/or compartments	Form 4B	

IP and TYPE protection degree

IP – International Protection

IP protection degree defines the protection level of enclosures of electrical and electronic devices against the ingress of external agents, such as foreign solid bodies, dust and liquids.

The IP prefix is followed by 2 digits:

- the first digit indicates a protection against the ingress of solid particles
- the second digit indicates a protection against the ingress of liquids

IP codes are classified as per CEI EN 60529 standard.

Protection against solid particles			Protection against liquids		
1st digit	Description	note	2nd digit	Description	note
0	No protection		0	No protection	
1	Protection against solid particles larger than 50 mm	Intrusion of human body parts, such as a hand, for example, must not be possible, as well as that of solid objects with a diameter larger than 50 mm.	1	Protection against dripping water	Dripping water (vertically falling drops) shall have no harmful effect
2	Protection against solid particles larger than 12 mm	Intrusion of fingers or similar objects with the length not exceeding 80 mm or solid objects with a diameter larger than 12 mm must not be possible	2	Protection against dripping water when tilted up to 15°	Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle up to 15° from its normal position.
3	Protection against solid particles larger than 2.5 mm	Intrusion of wires with a diameter or thickness greater than 2.5 mm or solid objects with a diameter greater than 2.5 mm must not be possible	3	Protection against rain	Water falling as a rain at any angle up to 60° from the vertical shall have no harmful effect
4	Protection against solid particles larger than 1.0 mm	Intrusion of wires or strip iron with a diameter or thickness greater than 1 mm or solid objects with a diameter greater than 1 mm must not be possible	4	Protection against splashing water	Water splashing against the enclosure from any direction shall have no harmful effect
5	Dust protected	Dust ingress is not excluded, but the its quantity is not harmful for correct device functioning	5	Protection against jets of water	Water projected by a nozzle against enclosure from any direction shall have no harmful effects
6	Dust tight	No dust ingress is allowed	6	Protection against powerful jets of water	Water projected in waves or powerful jets against the enclosure shall not penetrate in harmful quantities
			7	Protection against effects of temporary immersion	Ingress of water in harmful quantity shall not be possible when the enclosure is submersed in water under defined conditions of pressure and time
			8	Protection against effects of continuous immersion	The equipment is suitable for continuous submersion in water under conditions which shall be specified by the manufacturer

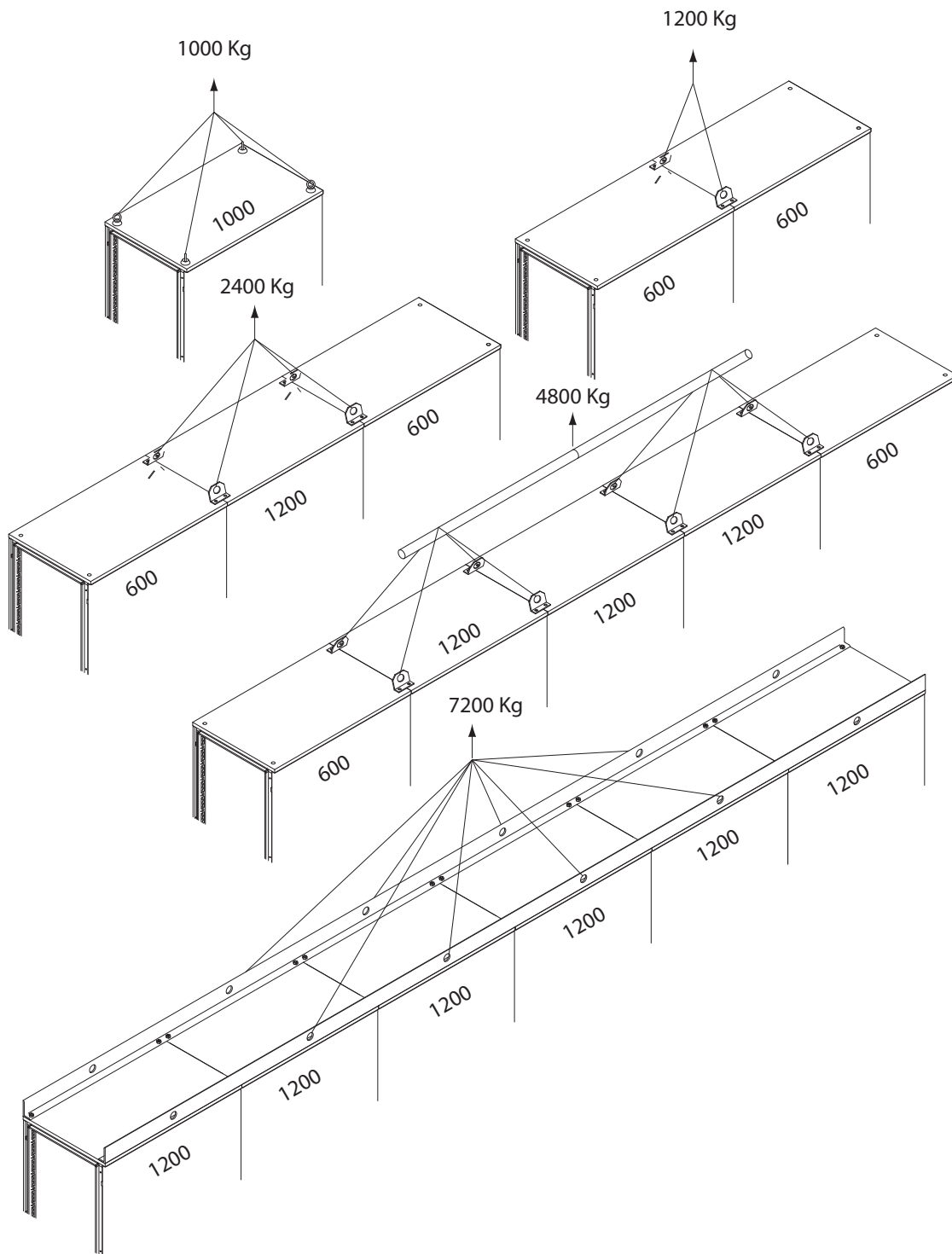
TYPE

National Electrical Manufacturers Association, or NEMA as an acronym, is an American association of electrical manufacturers purposed to define common standards. NEMA classification is very similar to the European IP System with the difference of using only one digit to define a protection level against intrusion of solid objects and liquids insides electrical devices. NEMA protection degrees are distinguished by the term TYPE.

The below table allows converting NEMA to IP but not wise versa.

IP degree	TYPE degree	Description
10	1	Indoor use for protection against limited quantities of dirt
11	2	Indoor use for protection against limited quantities of dirt and water
54	3	Outdoor use for protection against rain, hail, windblown dust and damages caused by the external formation of ice
14	3R	Outdoor use for protection against rain, hail, damages caused by the external formation of ice
54	3S	Outdoor use for protection against rain, hail, windblown dust and for provision of external devices good functioning with ice
56	4	Indoor and outdoor use for protection against windblown dust and rain, splashing water, hose-directed water, damages caused by the external formation of ice
56	4X	Indoor and outdoor use for protection against corrosion, windblown dust and rain, splashing water, hose-directed water, damages caused by the external formation of ice
52	5	Indoor use for protection against airborne settling dust, dirt and dripping non-corrosive liquids
67	6	Indoor and outdoor use for protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, damages caused by the external formation of ice
67	6P	Indoor and outdoor use for protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, damages caused by the external formation of ice
	7	Indoor use in locations classified as Class I, Division 1, Groups A, B, C, or D, hazardous locations as defined in National Electrical Code (NFPA 70) (Normally referred to explosion tests)
	8	Indoor use in locations classified as Class I, Division 2, Groups A, B, C, or D, hazardous locations as defined in National Electrical Code (NFPA 70) (Normally referred to submersion into oils)
	9	Indoor use in locations classified as Class II, Division 1, Groups E, F, e G, hazardous locations as defined in National Electrical Code (NFPA 70) (Normally referred to dust exposure tests)
	10	Conformity to Mine Safety and Health Administration (MSHA) requirements
52	12 & 12K	Indoor use for protection against circulating dust, dirt, non-corrosive dripping liquids
54	13	Indoor use for protection against dust, splashing water, oil, non-corrosive coolants

Lifting Criteria



RECOMMENDATIONS



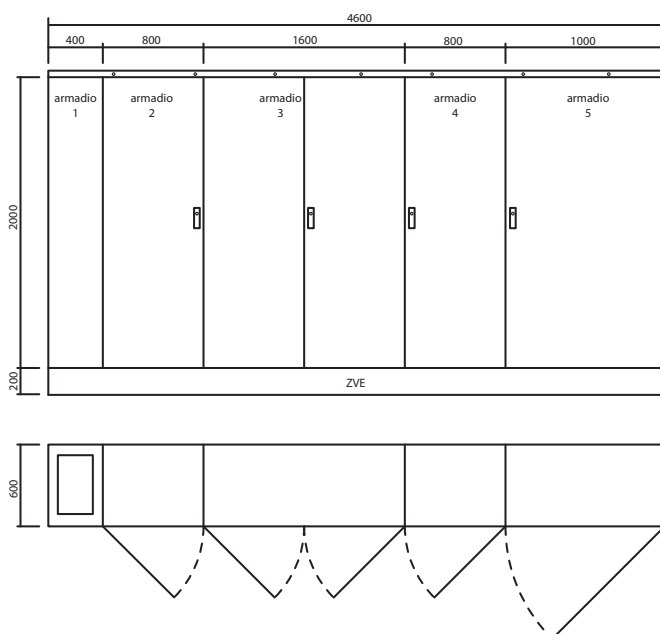
The above configurations refer to a load uniformly distributed inside the whole line.



The angle between the lift ropes and the enclosure roof shall be $\geq 45^\circ$. Ref.: DIN 580 standard on lifting eye bolts: the load for the same size of a lifting eye bolt varies between: **straight thrust load** applied to an eye bolt (coaxial to the thread axis) equal to 340 kg; **oblique thrust load** applied to two eye bolts, with the maximum inclination of 45° between the eye bolt axis and the lift rope, equal to 240 kg

How to order a bayed enclosure system

A bayed enclosure system is composed by several enclosures positioned in line and united together in order to create a solid joint between them. Normally enclosures belonging to the same bayed system have the same height and depth. Let us suppose that we have to order a bayed system like the one described below.



Code	Quantity	Notes
R5CQE2046S	1	Enclosure 1
R5CQE2086	2	Enclosure 2 and 4
R5CQE20166	1	Enclosure 3
R5CQE20106	1	Enclosure 5
RZPCE2080	2	Mounting panel for enclosure 2 and 4
RZPCE20160	1	Mounting panel for enclosure 3
RZPCE20100	1	Mounting panel for enclosure 5
RZKE65	4	Enclosure baying kit
R5LE2062	1	Pair of side panels for bayed system
R5CRE2040	2	Front and rear panels for enclosure 1
R1TSE01	4,6	Lifting rail
R1TSE01	4,6	Lifting rail
R1ZVE62	4,6	Blind plinth
RLAE22	4	Bayed system assembling
		colore RAL 7035

In this case the bayed system is composed by 5 enclosures, 2000 mm high and 600 mm deep, a pair of side panels (2 pieces per pack), a plinth and lifting rails. For each joint between one enclosure and another it is necessary to order a baying kit (code **RZKE65**) and the relative assembling service (code **RLAE22**).

The enclosure 1, being 400 mm wide, is considered as a cable chamber, so its roof is provided with a cable entry and a removable cover. Besides that, being a cable chamber (completely closed on the front and the rear side), it should be ordered in "S" version, which means a structure only. In this case instead of a door there is a screwed rear panel. It is preferable to provide a drawing along with the order, like the one given above, in order to communicate the direction of doors opening and the sequence of mounting to the plinth.

Otherwise our standard shall be applied, that is doors with a handle always on the left. It is also necessary to communicate the required color at the order. Our standard color for the structures is RAL 7035 with a textured finish. For bases, roofs and plinths textured RAL 7011 is used.

Code	Weight, Kg	Code	Weight, Kg	Code	Weight, Kg	Code	Weight, Kg
R1A46	2,5	R1ZE1061	8	R1ZE442	9	R5CAE10164	59
R1A47	3	R1ZE1062	15,5	R1ZE451	4,9	R5CAE10184	65
R1A48	3,5	R1ZE1081	8,6	R1ZE452	10	R5CAE10204	77
R1A49	4	R1ZE1082	16,5	R1ZE631	5	R5CAE1063	27
R1CE248	0,44	R1ZE1241	8,1	R1ZE632	11	R5CAE1064	37
R1KTB104	24,6	R1ZE1242	16,5	R1ZE641	5,6	R5CAE1083	33
R1KTB105	28,2	R1ZE1251	8,8	R1ZE642	10	R5CAE1263	32
R1KTB106	34	R1ZE1252	17	R1ZE651	6,2	R5CAE1264	40
R1KTB108	38,7	R1ZE1261	9,3	R1ZE652	12	R5CAE1283	38
R1KTB124	28,2	R1ZE1262	17,5	R1ZE661	6,4	R5CAE1284	43
R1KTB125	32,9	R1ZE1281	10,3	R1ZE662	12,5	R5CAE1284S	32
R1KTB126	36,2	R1ZE1282	20,6	R1ZE831	6,1	R5CAE14104	54
R1KTB128	45,2	R1ZE1441	9	R1ZE832	12,5	R5CAE1463	36
R1KTB144	32	R1ZE1442	15,5	R1ZE841	6,4	R5CAE1464	42
R1KTB145	36	R1ZE1451	11	R1ZE842	12,5	R5CAE1483	42
R1KTB146	40	R1ZE1452	20	R1ZE851	6,7	R5CAE1484	48
R1KTB148	47	R1ZE1461	11,5	R1ZE852	14,5	R5CAE16103	50
R1KTB164	34	R1ZE1462	23,5	R1ZE861	7	R5CAE16104S	40
R1KTB165	40	R1ZE1481	12,5	R1ZE862	15	R5CAE1663	39
R1KTB166	43	R1ZE1482	25,5	R1ZE881	8	R5CAE1663S	30
R1KTB168	55	R1ZE1641	10	R1ZE882	15,5	R5CAE1664	43,5
R1KTB33	8,9	R1ZE1642	21,5	R1ZP1038	7,5	R5CAE1683	43,5
R1KTB34	9,6	R1ZE1651	11,5	R1ZP1238	8,5	R5CAE1683S	33
R1KTB35	10,5	R1ZE1652	22,5	R1ZP1638	10	R5CAE1684	53
R1KTB36	13	R1ZE1661	12	R1ZP2038	11,5	R5CAE1684S	36
R1KTB38	16,6	R1ZE1662	23,5	R1ZP638	5,4	R5CAE18104	63
R1KTB43	9,6	R1ZE1681	13	R1ZP838	6,7	R5CAE18105	69
R1KTB44	12,6	R1ZE1682	26,5	R1ZPV1045	7,5	R5CAE18106	79
R1KTB45	15	R1ZE251	2,5	R1ZPV1245	8,6	R5CAE18124	70
R1KTB46	19,5	R1ZE252	5,5	R1ZPV1645	12	R5CAE18124S	46
R1KTB48	21,9	R1ZE261	2,8	R1ZPV645	5	R5CAE18125	73,5
R1KTB63	13,5	R1ZE262	5	R1ZPV845	6,2	R5CAE1863	44
R1KTB64	16,5	R1ZE281	3,3	R5APC1000	36	R5CAE1864	51
R1KTB65	19,5	R1ZE282	6	R5APC1200	38	R5CAE1864X	64
R1KTB66	21,7	R1ZE331	4	R5APC1600	45	R5CAE1865	59
R1KTB68	26,7	R1ZE332	8	R5APC600	22	R5CAE1866	67
R1KTB83	16,7	R1ZE341	4,3	R5APC800	27	R5CAE1866X	79
R1KTB84	19,7	R1ZE342	8,6	R5APV1000	41,5	R5CAE1883	49,5
R1KTB85	23	R1ZE351	5	R5APV1200	43,5	R5CAE1884	55,5
R1KTB86	25,9	R1ZE352	10	R5APV1600	50,5	R5CAE1884X	74
R1KTB88	32,2	R1ZE361	5,3	R5APV600	29	R5CAE1885	59
R1ZE1031	6,2	R1ZE362	10,6	R5APV800	34	R5CAE1886	66
R1ZE1032	12,4	R1ZE381	5,9	R5CAE10104	66	R5CAE20104	68,5
R1ZE1041	7	R1ZE382	11,8	R5CAE10104R	47,72	R5CAE20105	76
R1ZE1042	14	R1ZE431	4,3	R5CAE10104S	38,22	R5CAE20106	84
R1ZE1051	7,5	R1ZE432	8,6	R5CAE10124	48,5	R5CAE20124	77
R1ZE1052	15	R1ZE441	4,6	R5CAE10144	56	R5CAE20125	84,5

Code	Weight, Kg	Code	Weight, Kg	Code	Weight, Kg	Code	Weight, Kg
R5CAE20126	92	R5CDE82120	7,7	R5CPC1600	70	R5CPLE1880	21
R5CAE2063	64,5	R5CDE82120F	8,3	R5CPC600	30	R5CPLE2050	24
R5CAE2065	59,5	R5CDE8280	6,8	R5CPC800	40	R5CPLE2060	25
R5CAE2083	55	R5CDE84120	12,9	R5CPE10160	29	R5CPLE2080	26
R5CAE2084	59	R5CDE84120F	13,3	R5CPE10180	31	R5CPLE2260	30
R5CAE2085	67,5	R5CE0331	5,2	R5CPE10200	24	R5CPME6200	2,5
R5CAE2085X	88,5	R5CE0341	6,75	R5CPE1060	12,7	R5CPME6201	2,5
R5CAE2086	73,5	R5CE0391	4,5	R5CPE1080	16,5	R5CPME6300	3,5
R5CAE8124	44	R5CE0431	6,6	R5CPE12100	21	R5CPME6400	4
R5CAE8144	49	R5CE0432	7,5	R5CPE1260	14	R5CPME6401	4
R5CDE11120	1,8	R5CE0442	9,5	R5CPE1280	17,5	R5CPME6500	5
R5CDE1180	1,5	R5CE0462	12,6	R5CPE14120	32	R5CPME6600	6,5
R5CDE22120	2,6	R5CE0531	8,3	R5CPE14160	41,5	R5CPME6800	8
R5CDE22120C	2,4	R5CE0532	9,2	R5CPE1460	15,5	R5CPME6900	9,5
R5CDE2280	2,2	R5CE0542	11,4	R5CPE1480	23,1	R5CPME8200	3
R5CDE2280C	2,1	R5CE0549	12,5	R5CPE16100	28	R5CPME8201	3
R5CDE31120	2,8	R5CE0552	13,5	R5CPE16120	34	R5CPME8300	4,5
R5CDE32120	3,4	R5CE0642	13	R5CPE1640	15,5	R5CPME8400	6
R5CDE32120C	3,4	R5CE0644	17,1	R5CPE1660	17,5	R5CPME8401	6
R5CDE32120F	3,8	R5CE0649	14,4	R5CPE1680	22	R5CPME8500	7,5
R5CDE3280	2,9	R5CE0664	24,8	R5CPE18100	31,5	R5CPME8600	8
R5CDE3280C	2,8	R5CE0669	20,7	R5CPE18101	36	R5CPME8800	11
R5CDE33120	4,7	R5CE0683	27,9	R5CPE18120	40	R5CPME8900	12
R5CDE33120C	4,7	R5CE0752	18,1	R5CPE1830	12	R5CPMIE6400	5,5
R5CDE33120F	3,8	R5CE0759	20,2	R5CPE1840	14,5	R5CPMIE6600	7,5
R5CDE42120	4,2	R5CE0812	41,4	R5CPE1860	21	R5CPMIE6800	9,5
R5CDE42120C	4,3	R5CE0813	43,2	R5CPE1880	25,5	R5CPMIE8400	7
R5CDE42120F	4,3	R5CE0863	27,5	R5CPE1881	32,5	R5CPMIE8600	9,5
R5CDE4280	3,5	R5CE0864	31	R5CPE20100	34	R5CPMIE8800	12
R5CDE4280C	3,6	R5CE0869	27	R5CPE20101	40	R5CPMTE6400	3
R5CDE43120	5,7	R5CE0883	36,4	R5CPE20120	45	R5CPMTE6600	4
R5CDE43120C	5,7	R5CE0884	40	R5CPE20140	49	R5CPMTE6800	7
R5CDE43120F	6,1	R5CE1013	55,4	R5CPE20160	56	R5CPMTE8400	4
R5CDE44120	6,9	R5CE1063	34,7	R5CPE2030	14,3	R5CPMTE8600	5
R5CDE44120F	7,5	R5CE1064	38,1	R5CPE2040	17	R5CPMTE8800	9
R5CDE52120	5,1	R5CE1069	34,7	R5CPE2060	22	R5CPTE1260	10
R5CDE52120C	5,1	R5CE1083	45	R5CPE2080	28,5	R5CPTE1280	14
R5CDE52120F	5,4	R5CE1084	46,8	R5CPE22100	32	R5CPTE14100	18,5
R5CDE53120	6,5	R5CE12123	78,8	R5CPE22101	43,5	R5CPTE1460	11,5
R5CDE53120F	7,4	R5CE1213	56,6	R5CPE2230	15,4	R5CPTE1480	14
R5CDE62120	5,9	R5CE1263	34,7	R5CPE2240	17	R5CPTE1660	13,5
R5CDE62120F	6,4	R5CE1283	53,1	R5CPE2260	25	R5CPTE1680	18
R5CDE6280	5	R5CE1413	72,9	R5CPE2280	28	R5CPTE1860	18
R5CDE63120	7,1	R5CE1463	46,8	R5CPFE6100	2	R5CPTE1880	19
R5CDE63120F	7,6	R5CE1483	57,6	R5CPFE8100	2,5	R5CPTE20100	26
R5CDE64120	10	R5CPC1000	47,5	R5CPLE1850	17	R5CPTE2060	16,5
R5CDE64120F	10	R5CPC1200	54	R5CPLE1860	19	R5CPTE2080	21

Code	Weight, Kg	Code	Weight, Kg	Code	Weight, Kg	Code	Weight, Kg
R5CPTE2280	23,5	R5CPLE1850	17	R5CPTE2060	16,5	R5CRE10100	9,5
R5CPE1080	16,5	R5CPLE1860	19	R5CPTE2080	21	R5CRE1060	7
R5CPE10100	18,28	R5CPLE1880	21	R5CPTE2280	23,5	R5CRE1080	9,5
R5CPE12100	21	R5CPLE2050	24	R5CQE14124	92	R5CRE14120	22
R5CPE1260	14	R5CPLE2060	25	R5CQE14125	97	R5CRE14160	31
R5CPE1280	17,5	R5CPLE2080	26	R5CQE14164	118	R5CRE1460	10
R5CPE14100	24,5	R5CPLE2260	30	R5CQE1464X	51	R5CRE1480	13
R5CPE14120	32	R5CPME6200	2,5	R5CQE1484	66	R5CRE16100	18
R5CPE14160	41,5	R5CPME6201	2,5	R5CQE1485	68	R5CRE16120	24
R5CPE1460	15,5	R5CPME6300	3,5	R5CQE16104	87	R5CRE1640	8,5
R5CPE1480	23,1	R5CPME6400	4	R5CQE16124	98	R5CRE1660	12,5
R5CPE1481	24	R5CPME6401	4	R5CQE16125	102	R5CRE1680	16,5
R5CPE16100	28	R5CPME6500	5	R5CQE16126	105,5	R5CRE18100	19,5
R5CPE16101	31	R5CPME6600	6,5	R5CQE1664	58	R5CRE18120	25
R5CPE16120	34	R5CPME6800	8	R5CQE1665	62	R5CRE1830	7
R5CPE1640	15,5	R5CPME6900	9,5	R5CQE1666	63	R5CRE1840	8,5
R5CPE1660	17,5	R5CPME8200	3	R5CQE1666S	36	R5CRE1860	14
R5CPE1680	22	R5CPME8201	3	R5CQE1684	71	R5CRE1880	16
R5CPE1681	25	R5CPME8300	4,5	R5CQE1685	75	R5CRE20100	22
R5CPE18100	31,5	R5CPME8400	6	R5CQE1686	79	R5CRE20120	28
R5CPE18101	36	R5CPME8401	6	R5CQE18104	91,5	R5CRE20140	34
R5CPE18120	40	R5CPME8500	7,5	R5CQE18105	95	R5CRE20160	40
R5CPE1830	12	R5CPME8600	8	R5CQE18106	100	R5CRE2030	8,5
R5CPE1840	14,5	R5CPME8800	11	R5CQE18124	109	R5CRE2040	9,5
R5CPE1860	21	R5CPME8900	12	R5CQE18125	113,5	R5CRE2060	13,5
R5CPE1880	25,5	R5CPMIE6400	5,5	R5CQE18126	118	R5CRE2080	18
R5CPE1881	32,5	R5CPMIE6600	7,5	R5CQE1844	50	R5CRE22100	25
R5CPE20100	34	R5CPMIE6800	9,5	R5CQE1846	55	R5CRE22120	30
R5CPE20101	40	R5CPMIE8400	7	R5CQE1864	66,5	R5CRE2230	9,5
R5CPE20120	45	R5CPMIE8600	9,5	R5CQE1865	68,5	R5CRE2240	11,5
R5CPE20140	49	R5CPMIE8800	12	R5CQE1865X	62,5	R5CRE2260	15,5
R5CPE20160	56	R5CPMTE6400	3	R5CQE1866	71,5	R5CRE2280	20
R5CPE2030	14,3	R5CPMTE6600	4	R5CQE1866S	38	R5FRV18	5
R5CPE2040	17	R5CPMTE6800	7	R5CQE1884	77,5	R5FRV20	6,5
R5CPE2060	22	R5CPMTE8400	4	R5CQE1885	80,5	R5IE16	9
R5CPE2080	28,5	R5CPMTE8600	5	R5CQE1886	84	R5IE18	11,5
R5CPE2081	31,5	R5CPMTE8800	9	R5CQE20104	99	R5IE26	11
R5CPE22100	32	R5CPTE1260	10	R5CQE20105	103	R5IE28	14,5
R5CPE22101	43,5	R5CPTE1280	14	R5CQE20126S	56	R5IE43	2,5
R5CPE22120	50	R5CPTE14100	18,5	R5CQE2034S	26	R5IE44	3
R5CPE2230	15,4	R5CPTE1460	11,5	R5CQE2048	64	R5IE46	4,5
R5CPE2240	17	R5CPTE1480	14	R5CQE2086	90,5	R5IE53	3
R5CPE2260	25	R5CPTE1660	13,5	R5CQE2088S	49,5	R5IE54	4
R5CPE2280	31	R5CPTE1680	18	R5CQE22105	109	R5IE55	4,5
R5CPE2281	40	R5CPTE1860	18	R5CQEC1666	89	R5IE64	4,5
R5CPFE6100	2	R5CPTE1880	19	R5CQEC1866	98	R5IE66	6
R5CPFE8100	2,5	R5CPTE20100	26	R5CQEC2068	101	R5IE75	5,5

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R5KFRE2060	12	R5PFI1840	10	R5PN600	45	R5TM106	14
R5KFRE2080	14,5	R5PFI2040	11	R5PN800	56	R5TM126	16,5
R5KMN14	11,5	R5PFI2050	11,5	R5PRK1	0,5	R5TM43	3
R5KMN16	12,5	R5PFI2080	12	R5PRK10	3	R5TM44	4
R5KMN18	13,5	R5PI5100	5,5	R5PRK11	3,5	R5TM53	4
R5KMN20	15	R5PI520	1,5	R5PRK12	4	R5TM54	5,5
R5KMN22	16,5	R5PI521	1,5	R5PRK2	0,7	R5TM55	6
R5LE1442	12,5	R5PI524	1,5	R5PRK3	1	R5TM64	5,5
R5LE1452	15,5	R5PI530	2	R5PRK4	1,2	R5TM66	8,5
R5LE1642	15	R5PI540	2,5	R5PRK5	1,5	R5TM75	8
R5LE1652	17,5	R5PI541	3	R5PRK6	2	R5TM86	10,5
R5LE1662	23,5	R5PI560	3,5	R5PRK7	2,2	R5TOE60	0,5
R5LE1682	28	R5PI561	3,5	R5PRK8	2,5	R5TOE80	0,8
R5LE18102	45	R5PI580	5	R5PRK9	2,7	RAA07	0,13
R5LE1842	17	R5PI7100	8	R5RE660	5,5	RAA21	0,4
R5LE1852	22,5	R5PI720	2	R5RE860	6,5	RAA24	0,4
R5LE1862	25	R5PI721	2	R5RF1040	5	RAA45	0,42
R5LE1882	35,5	R5PI722	2	R5RF660	3	RAA51	0,45
R5LE20102	47	R5PI730	2,5	R5RF860	4,5	RAA53	1,1
R5LE2042	18	R5PI740	4	R5RL1000	5	RAA54	0,4
R5LE2052	24	R5PI741	4	R5RL600	3	RALA013	0,58
R5LE2062	26,5	R5PI760	5,5	R5RL800	4	RALA08	0,39
R5LE2082	35,5	R5PI761	5	R5SCE65	9	RAMC01	0,14
R5LE22102	53	R5PI780	7	R5SCE85	11	RAMC02	0,6
R5LE2252	25	R5PIE1060	11	R5SCRK01	0,55	RAMC05	0,6
R5LE2262	29,5	R5PIE1080	14,5	R5SFMR01	1,9	RAPF12	0,2
R5LE2282	39,5	R5PIE12100	22	R5TE100	4	RAPF15	0,54
R5LE600	10	R5PIE1280	13	R5TE18	6	RAPF20	0,87
R5LE800	14	R5PIE14100	24	R5TE20	8	RATEV230	6,3
R5LSC80	4	R5PIE1460	16,5	R5TE22	8,5	RATMS01	0,06
R5MRCE10	2,5	R5PIE1480	18,5	R5TE50	1,5	RZCDP11	0,2
R5MRCE12	3	R5PIE16100	28	R5TE60	2	RZCDP22	0,5
R5MRCE14	4,5	R5PIE1660	20	R5TE70	2,5	RZCDP31	0,5
R5MRCE16	5	R5PIE1680	0,92	R5TE80	3	RZCDP32	0,7
R5MRCE18	5,5	R5PIE18100	32,5	R5TIE1660	10,5	RZCDP33	1
R5MRCE20	6	R5PIE1860	20	R5TIE1680	16,5	RZCDP42	1
R5MRCE22	7	R5PIE1880	25	R5TIE1860	11	RZCDP43	1,5
R5MRE16	3	R5PIE20100	36,5	R5TIE1880	17,5	RZCDP44	2,3
R5MRE18	4	R5PIE2060	22	R5TIE20100	25,5	RZCDP52	1,3
R5MRE20	5	R5PIE2080	28,5	R5TIE2060	11,5	RZCDP53	2
R5MRE22	6	R5PIE22100	42,5	R5TIE2080	18,5	RZCDP62	1,5
R5PA6040	3,5	R5PIE2260	26	R5TIE2280	26,5	RZCDP63	2,5
R5PA8040	4	R5PIE2280	31	R5TIE660	4	RZCDP64	3
R5PCD60	1	R5PN1000	68	R5TIE860	5	RZCDP82	3,5
R5PCD80	1,5	R5PN1200	75	R5TIE861	4,5	RZCDP84	4,5
R5PCDF01	1	R5PN1600	95	R5TIEC1880	18,5	RZCE200	0,1

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RZCE214	0,01	RZDVP20275	5,5	RZPCDE2080	17	RZPCE8600	7
RZCE219	0,012	RZDVP20325	6	RZPCE1060	9,5	RZPCE8800	9
RZCE223	0,012	RZDVP22175	3,5	RZPCE1080	13	RZPCE8900	10,5
RZCE224	0,012	RZDVP22250	5,5	RZPCE1260	13	RZPCPE1010	18
RZCE226	0,016	RZDVP22275	6	RZPCE1280	16,5	RZPCPE106	10,5
RZCE227	0,066	RZDVP22325	6,5	RZPCE14100	24	RZPCPE108	15
RZCE228	0,07	RZFCP60	1,5	RZPCE14120	33	RZPCPE128	18
RZCE230	0,04	RZFCP80	2	RZPCE14160	48	RZPCPE610	10
RZCE233	0,05	RZFPC1000	0,04	RZPCE1460	14	RZPCPE66	7
RZCE234	0,05	RZFPC1200	0,05	RZPCE1480	19	RZPCPE68	9,5
RZCE235	0,045	RZFPC1400	0,06	RZPCE16100	27	RZPCPE810	12,5
RZCE236	0,045	RZFPC1600	0,07	RZPCE16120	41	RZPCPE86	10
RZCE237	0,025	RZFPC400	0,01	RZPCE1640	10,5	RZPCPE88	12
RZCE261	0,014	RZFPC600	0,02	RZPCE1660	16	RZPCSE16120	51
RZCE262	0,012	RZFPC800	0,03	RZPCE1680	22	RZPCSE1680	27,5
RZCPCE10160	27,5	RZFUC104	3,5	RZPCE18100	32	RZPCSE18100	42
RZDGD60	0,36	RZFUC105	4	RZPCE18120	43,5	RZPCSE18120	58
RZDGR60	0,6	RZFUC44	1	RZPCE1840	12	RZPCSE1860	27,5
RZDGR80	0,7	RZFUC64	2	RZPCE1860	18	RZPCSE1880	31
RZDOE6145	1	RZFUC66	3	RZPCE1880	25	RZPCSE20100	44
RZDOE6195	1,5	RZFUC84	3	RZPCE20100	37	RZPCSE20120	63
RZDOE6295	2	RZFUC85	4	RZPCE20120	48,5	RZPCSE20140	71
RZDOE6345	2,5	RZFUC86	4,5	RZPCE20140	56	RZPCSE20160	67
RZDOE6445	3	RZFUC88	6,5	RZPCE20160	61,5	RZPCSE2060	25
RZDOE6545	3,5	RZKE65	0,8	RZPCE2030	9,5	RZPCSE2080	33
RZDOE8145	2	RZKFP01	1,22	RZPCE2040	13,5	RZPCSE22100	68
RZDOE8195	2	RZKRE65	1,4	RZPCE2060	19,5	RZPCSE22120	70
RZDOE8345	3,5	RZKSRE65	1,9	RZPCE2080	25	RZPDF1000	5,1
RZDOE8545	5	RZMPG20	0,27	RZPCE22100	42	RZPDF1200	6,2
RZDSF01	0,41	RZMPG25	0,27	RZPCE22120	57	RZPDF1400	7
RZDSF02	0,68	RZMPG40	0,27	RZPCE2230	11,5	RZPDF1600	8
RZDSL20	0,48	RZMVE18	4	RZPCE2240	14	RZPDF400	2
RZDSL30	0,68	RZMVE20	4,5	RZPCE2260	24	RZPDF600	3
RZDSL40	0,86	RZMVE22	5	RZPCE2280	30	RZPDF800	4,1
RZDVE1650	6	RZPAC100	2	RZPCE61000	7	RZPDL400	1,5
RZDVE1840	7	RZPAC120	2,5	RZPCE6200	1,5	RZPDL500	2
RZDVE1850	9	RZPAC160	3,5	RZPCE6300	2,5	RZPDL600	3
RZDVE1860	11,5	RZPAC40	0,5	RZPCE6400	3,5	RZPDL800	3,5
RZDVE1880	15,5	RZPAC60	1	RZPCE6500	4	RZPDV14	4
RZDVE2040	7,5	RZPAC80	1,5	RZPCE6600	5	RZPDV16	4,5
RZDVE2050	10	RZPC1000	9,8	RZPCE6800	6,5	RZPDV18	5
RZDVE2060	12,5	RZPC1200	12	RZPCE6900	7	RZPDV20	5,5
RZDVE2080	16	RZPC1600	14	RZPCE81000	11	RZPDV22	6
RZDVE2250	11	RZPCDE1840	9	RZPCE8200	2	RZPIE14	4
RZDVE2260	14	RZPCDE1850	10	RZPCE8300	3,5	RZPIE16	4,5

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RZPIE22	6
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RZPLE800	2,5
RZPPM1200	6,5
RZPPM1600	9
RZPPM600	3,5
RZPSP20120	40
RZPSP2080	25
RZRPC100	4
RZRPC120	5
RZRPC140	6
RZRPC160	7
RZRPC60	2,5
RZRPC80	3
RZS100	1
RZS120	1
RZS140	1
RZS50	0,5
RZS60	0,5
RZS70	0,5
RZS80	0,5
RZTFE1400	4,5
RZTLE400	0,5
RZTLE500	1
RZTLE600	1
RZTLE800	2
RZTTE1000	3,5
RZTTE1200	3,5
RZTTE600	2
RZTTE800	3

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R1A48	100	R1ZCOR2	98	R1ZE1262	94	R1ZPRO1201	97, 310	R5CAE1083	70, 78
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R1KTB43	24, 25, 27	R1ZE332	94	R1ZE1462	94	R1ZPRO2001	97, 310	R5CAE1263	70, 78
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R1KTB45	24, 25, 27	R1ZE342	94	R1ZE1482	94	R1ZPV645	307	R5CAE1263S	70, 74
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R1KTB48	24, 25, 26, 27	R1ZE352	94	R1ZE1642	86, 94	R1ZPV1045	307	R5CAE1264	70, 78
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R1ZAE52	96	R1ZE1042	94	R1ZPRO302	98	R5APV800	303	R5CAE1663X	70, 80
R1ZAE61	96	R1ZE1051	94	R1ZPRO381	97, 310	R5APV1000	303	R5CAE1664	70, 78
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RAL Table

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5010		7037	
5012		7038	
5015		7042	
5017		7047	
5019		9001	
6011		9002	
6019		9005	
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7016			

Our sales network is also available for the evaluation of other colors not found in the table.





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