

**TRITON**®







# CONTENTS

<b>History, production</b> .....	<b>4</b>
<b>Product Options</b> .....	<b>12</b>
<b>Free-standing cabinets</b> .....	<b>13</b>
RMA 400 – welded cabinet with removable side panels and rear cover .....	15
RMA 800 – capacity 800 kg .....	25
NEW RMA 800+ – primary capacity 800 kg, extended capacity 1500 kg .....	29
RZA – ready to assemble .....	33
RXA – flat-pack with loading capacity 800 kg .....	41
RDA – server cabinet with loading capacity 1500 kg .....	47
RDE – with IP54 and loading capacity 1500 kg .....	51
RIE – protection against dust and humidity (IP54) .....	55
RPE, RPA – for industrial applications .....	59
ROA – with a rotating inner frame .....	63
RSX – 19" open frames .....	67
<b>Data centres</b> .....	<b>71</b>
What is a data centre? .....	73
Datacenter cooling .....	75
Power distribution .....	76
RDA for datacenter .....	77
Accessories for data centres .....	81
Hot/cold aisle .....	87
Raised floor .....	88
References .....	92
<b>Wall-mounted cabinets</b> .....	<b>101</b>
RBA – one sectioned, a classic for medium size installations .....	103
RBA – two-sectioned, an easy access to the rear section .....	107
RUA – with removable side panels .....	113
NEW RUA Light – riveted cabinet made of galvanized steel .....	117
RXA – „Flat-Pack“ conception .....	121
RKA – Compact 10" and 19" cabinet .....	125
RBA – 10" cabinet for smaller projects .....	129
<b>Special cabinets</b> .....	<b>133</b>
RCA – cabinet under the work desk .....	135
RFA – wall mounted server cabinet .....	139
Swing – free standing cabinet with integral swing-frame .....	143
SGA, SHA – hybrid cabine .....	147
NEW RNA – data module of hybrid cabinet .....	151
SNA – power module of hybrid cabinet .....	157
NEW SIF – outside hybrid power distribution cabinet, IP 55 .....	163
RNA, SNA – accessories .....	167
<b>Accessories</b> .....	<b>169</b>
Active cooling .....	171
Cable management systems .....	179
Other accessories .....	185
<b>Technical support</b> .....	<b>204</b>
<b>Partnumbering system, configurator</b> .....	<b>206</b>
<b>Certification</b> .....	<b>208</b>
<b>Packaging, transportation, warranty</b> .....	<b>211</b>
<b>Marketing - Exhibitions</b> .....	<b>212</b>
<b>Triton Showroom</b> .....	<b>214</b>
<b>Marketing - mobile presentation</b> .....	<b>215</b>
<b>Power Distribution Cabinets</b> .....	<b>216</b>
<b>Clothes lockers and cloak room equipment</b> .....	<b>218</b>





## PRODUCTION – MANUFACTURING PROGRAM

Triton Pardubice Ltd. is a world leader in the development and manufacture of 19" data, telecommunication and power distribution cabinets.

The company began operating in 1993 and is now located in the town of Starý Mateřov, near the city

of Pardubice, where a brand new production facility has been built covering an area of 14,000 m<sup>2</sup> (150,000 sq. ft.).

Triton is a long-standing and important regional employer and today has more than 140 workers.



2000 Tritón – Starý Mateřov





2001 Tritón – Starý Mateřov



2009 Tritón – Starý Mateřov





2011 Tritón – Starý Mateřov



2013 Tritón – Starý Mateřov



Welding robot



Welding robot





Automated bending centre - research and development hall



Automated system - research and development hall



Combined machine - laser and punching



Deburring machine for cutout sections



Cabinet door production



Cabinet door production





Automated bending centre



Automated punch machine



Automated punch machine



Automated punch machine



Paintshop - automated powdering box



Paintshop - powder coating line





Automated warehouse for sheet steel and parts



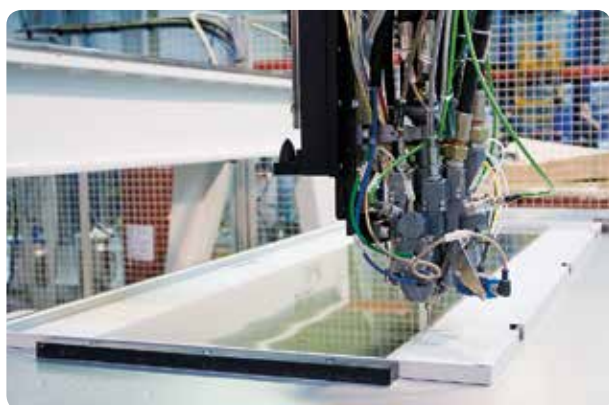
Metal forming line



Robotic workstation for spot welding of wall-mounted cabinets



Robotic workstation for spot welding of wall-mounted cabinets



Centre for glass gluing and cabinet door seal applications



Free-standing cabinets packaging centre





Free-standing cabinets robotic welding



Free-standing cabinets robotic welding



Automated bending centre



Automated bending centre



Press brakes



Automated press brake





Free-standing cabinet assembly line



Free-standing cabinets packaging centre



Automated bending centre



Robotic workstation for spot welding of wall-mounted cabinets



Centre for glass gluing and cabinet door seal applications



Warehouse



## PRODUCT OPTIONS

### DOOR OPTIONS



› Hardened smoked glass door



› Perforated door



› Solid steel door



› Special door

### GLUING METHODS

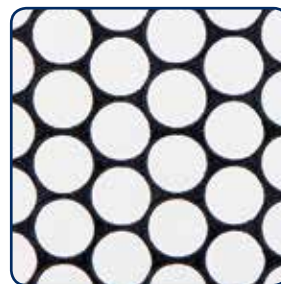
We use a CNC system for polyurethane compound applications. This system has a three axis motion and the mixture is applied evenly by nozzle. This new professional method of gluing increases the bond strength between the glass and steel frame.

### PERFORATED DOOR

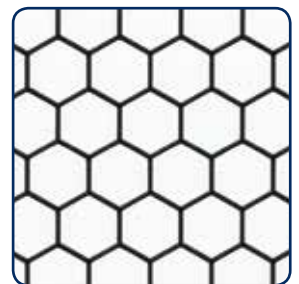
Perforated door we produce with standard air permeability 80 %, on demand with 86%.

Special doors allow for mounting standard horizontal fan units (for most of the free-standing cabinets).

Further information is available in the section Active cooling.



› air permeability 80 %



› air permeability 86 %

### DOUBLE WING DOOR



› Hardened smoked glass door



› Perforated door



› Solid steel door

### COLOUR VARIETY OF THE CABINETS



RAL 7035



RAL 9005

### STANDARD COLOURS

Standard colours are RAL 7035 (light grey) and RAL 9005 (black). However, it is possible to use any colour from the RAL sampler on various cabinet parts and thus to create an original design according to a client's or architect's concept.

The paint has a good resistance to chemical and mechanical damage.





**Free-Standing Cabinets**





## FREE-STANDING CABINETS – OVERVIEW



### RMA 400

Welded cabinet with removable side panels and rear cover, IP20, capacity 400 kg

15



### RMA 800

Welded cabinet with removable side panels and rear cover, IP20, capacity 800 kg



25



### RMA 800+

welded cabinet with removable side panels and rear cover, IP20, primary capacity 800 kg, extended capacity 1500 kg



29



### RZA

Cabinet can be disassembled, welded parts easily connected by screws, IP20, capacity 300 and 400 kg

33



### RXA

Cabinet delivered as flat-pack, IP20, capacity 800 kg

41



### RDA

Welded server cabinet, IP20, capacity 1500 kg

47



### RDE

Welded server cabinet prepared for the installation of independent air-conditioning units, IP54, capacity 1500 kg

51



### RIE

Welded cabinet with removable covers, prepared for the installation of independent air-conditioning units, IP54, capacity 400 kg

55



### RPE, RPA

Cabinet for industrial applications – removable sections, RPA - IP20, RPE - IP54, capacity 400 kg

59



### ROA

Cabinet with internal rotating frame, octagonal floor plan, IP20, capacity 250 kg

63



### RSX

19" open frames, capacity 150 and 400 kg

67



RMA 400

## RMA 400 >

Welded cabinet with removable side panels  
and rear cover, IP20, capacity 400 kg



#### ■ RIGID CONSTRUCTION

RMA has a robust welded construction. High quality processing and the newest technologies ensure a perfect look of the cabinet.



#### ■ FLEXIBLE DOOR OPENING

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



#### ■ SWING FRAME

It is possible to equip the RMA and RZA cabinets with the swing frame with loading capacity 100 kg. Maximum available depth of the 19" accessories is 330 mm.



#### ■ TRITON HANDLES

We manufacture our own handles for the free-standing cabinets. By changing the plastic module (not included), a traditional or semi-cylindrical lock insert can be used. PATENT: PUV 2013-27443



#### ■ ADJUSTABLE VERTICAL RAILS

Vertical 19" rails can be adjusted freely in any depth of the cabinet. This simplifies mounting of the device and configuration of connecting cables.

#### ■ REMOVABLE SIDE PANELS AND REAR COVER

RMA has a welded frame and removable side panels. These are fixed as standard to the frame using a lock with the same key as the door and rear cover.







#### ■ DOOR FOR FAN UNITS

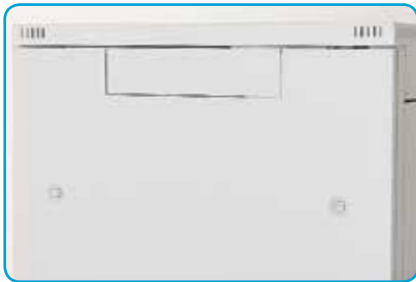
With this cabinet type, it is possible to order a special metal door ready for mounting RAX-CH-X0x-X3 fan units. Further information is available in the section Active cooling.



#### ■ DETAIL OF FIXTURE OF THE CABINET REMOVABLE REAR COVER



#### ■ DETAIL OF THE REMOVABLE SIDE PANEL LOCK



#### ■ BREAK-OUT BLANKING PANELS

Entry openings for cables in the rear part of the cabinet are covered with breakout-type blanking panels. It is possible to use a blanking panel with a brush in cable opening to avoid dust penetration. The plastic frame serves to protect cables from damage (both are parts of the cabinet supply).

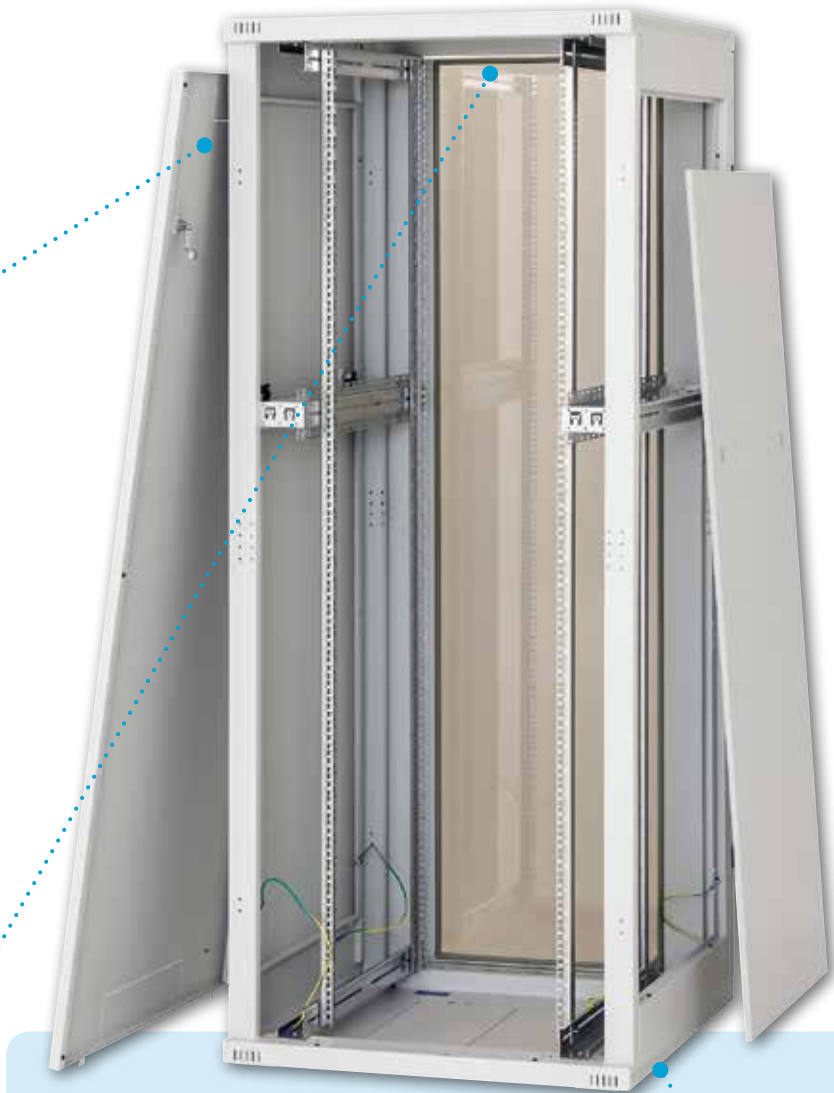


#### ■ OPENING FOR A FAN UNIT

A large opening covered with a breakout-type blanking panel enables mounting and removal of the Triton fan unit from outside of the cabinet without a need of using screws.

#### ■ CASTORS, LEVELLING FEET

Prepared for mounting castors and levelling feet.



#### ■ THE BACK SIDE OF THE CABINET

On the rear cover of the cabinet are two cable openings covered with breakout panels. One is at the top and one at the bottom of the rear cover. Other cable entries are on the ceiling and the base of the cabinet.





#### ■ PERFORATED FRAME

The RMA cabinet has a perforated frame to ensure cooling air has access to the equipment inside. Cooling can be augmented by installing fan units.



#### ■ EARTHING

All removable parts are interconnected and earthed according to the relevant standards.



#### ■ FLEX FRAME

(for cabinet of 800 mm width) This system enables sliding vertical rails to be installed in a span of 19", 21" and 23", just as needed for the equipment being used.



RMA 800 x 1000 mm

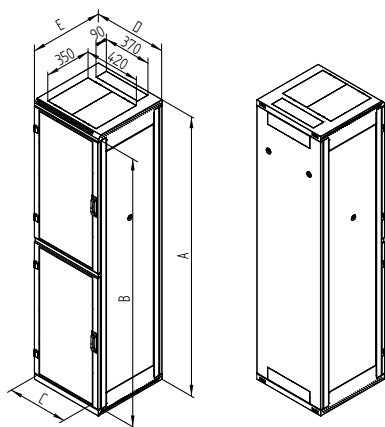
#### ■ MIDDLE PAIR OF VERTICAL RAILS

For cabinets deeper than 800 mm a third pair of vertical rails is supplied. An open profile means that the middle rails do not limit installation of deeper devices.



RMA 800 x 800 mm double box

RMA 800 x 800 mm



**RMA CABINET VARIANTS**

Full range on demand - please contact your supplier.



RMA 600 x 800 mm



RMA 600 x 1000 mm

**RMA 42U - double box (21U + 20U)**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-42-A66-CAX-A12BAA	1970	1868	487	600	600	2	84,9	77,8	400
RMA-42-A68-CAX-A12BAA	1970	1868	487	600	800	2	97,5	89,2	
RMA-42-A69-CAX-A12BAA	1970	1868	487	600	900	2	104,8	94,6	
RMA-42-A61-CAX-A12BAA	1970	1868	487	600	1000	2	111,9	101,1	
RMA-42-A86-CAX-A12BAA	1970	1868	687	800	600	2	100,0	91,3	
RMA-42-A88-CAX-A12BAA	1970	1868	687	800	800	2	114,1	104,5	
RMA-42-A89-CAX-A12BAA	1970	1868	687	800	900	2	126,0	113,1	
RMA-42-A81-CAX-A12BAA	1970	1868	687	800	1000	2	133,9	120,5	

**RMA 45U - double box (22U + 22U)**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-45-A66-CAX-A12BAA	2105	2003	487	600	600	2	89,1	82,0	400
RMA-45-A68-CAX-A12BAA	2105	2003	487	600	800	2	103,4	95,0	
RMA-45-A69-CAX-A12BAA	2105	2003	487	600	900	2	110,9	100,7	
RMA-45-A61-CAX-A12BAA	2105	2003	487	600	1000	2	116,2	105,4	
RMA-45-A86-CAX-A12BAA	2105	2003	687	800	600	2	105,5	96,8	
RMA-45-A88-CAX-A12BAA	2105	2003	687	800	800	2	120,8	110,9	
RMA-45-A89-CAX-A12BAA	2105	2003	687	800	900	2	130,4	117,4	
RMA-45-A81-CAX-A12BAA	2105	2003	687	800	1000	2	137,3	124,1	

\* Solid steel door with a preparation for fan units mounting.

**RMA 400, 600 x 600**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A66-CAX-A1	770	668	487	600	600	1	38,0	33,0	400
RMA-18-A66-CAX-A1	900	798	487	600	600	1	42,0	38,0	
RMA-22-A66-CAX-A1	1080	978	487	600	600	2	47,0	42,0	
RMA-27-A66-CAX-A1	1300	1198	487	600	600	2	54,0	49,0	
RMA-32-A66-CAX-A1	1525	1423	487	600	600	3	60,0	55,0	
RMA-37-A66-CAX-A1	1750	1648	487	600	600	3	68,0	63,0	
RMA-42-A66-CAX-A1	1970	1868	487	600	600	3	75,0	70,0	
RMA-45-A66-CAX-A1	2105	2003	487	600	600	3	77,0	72,0	
RMA-47-A66-CAX-A1	2194	2092	487	600	600	3	81,0	76,0	

**RMA 400, 600 x 800**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A68-CAX-A1	770	668	487	600	800	1	44,0	39,0	400
RMA-18-A68-CAX-A1	900	798	487	600	800	1	49,0	44,0	
RMA-22-A68-CAX-A1	1080	978	487	600	800	2	54,0	49,0	
RMA-27-A68-CAX-A1	1300	1198	487	600	800	2	62,0	57,0	
RMA-32-A68-CAX-A1	1525	1423	487	600	800	3	69,0	64,0	
RMA-37-A68-CAX-A1	1750	1648	487	600	800	3	77,0	72,0	
RMA-42-A68-CAX-A1	1970	1868	487	600	800	3	84,0	79,0	
RMA-45-A68-CAX-A1	2105	2003	487	600	800	3	90,0	85,0	
RMA-47-A68-CAX-A1	2194	2092	487	600	800	3	93,0	88,0	

**RMA 400, 600 x 900**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A69-CAX-A1	770	668	487	600	900	1	47,0	42,0	400
RMA-18-A69-CAX-A1	900	798	487	600	900	1	53,0	48,0	
RMA-22-A69-CAX-A1	1080	978	487	600	900	2	59,0	54,0	
RMA-27-A69-CAX-A1	1300	1198	487	600	900	2	67,0	62,0	
RMA-32-A69-CAX-A1	1525	1423	487	600	900	3	76,0	71,0	
RMA-37-A69-CAX-A1	1750	1648	487	600	900	3	84,0	79,0	
RMA-42-A69-CAX-A1	1970	1868	487	600	900	3	91,0	86,0	
RMA-45-A69-CAX-A1	2105	2003	487	600	900	3	96,0	91,0	
RMA-47-A69-CAX-A1	2194	2092	487	600	900	3	99,0	94,0	

**RMA 400, 600 x 1000**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A61-CAX-A1	770	668	487	600	1000	1	51,0	46,0	400
RMA-18-A61-CAX-A1	900	798	487	600	1000	1	55,0	50,0	
RMA-22-A61-CAX-A1	1080	978	487	600	1000	2	63,0	58,0	
RMA-27-A61-CAX-A1	1300	1198	487	600	1000	2	70,0	65,0	
RMA-32-A61-CAX-A1	1525	1423	487	600	1000	3	80,0	75,0	
RMA-37-A61-CAX-A1	1750	1648	487	600	1000	3	88,0	83,0	
RMA-42-A61-CAX-A1	1970	1868	487	600	1000	3	96,0	91,0	
RMA-45-A61-CAX-A1	2105	2003	487	600	1000	3	101,0	96,0	
RMA-47-A61-CAX-A1	2194	2092	487	600	1000	3	104,0	99,0	

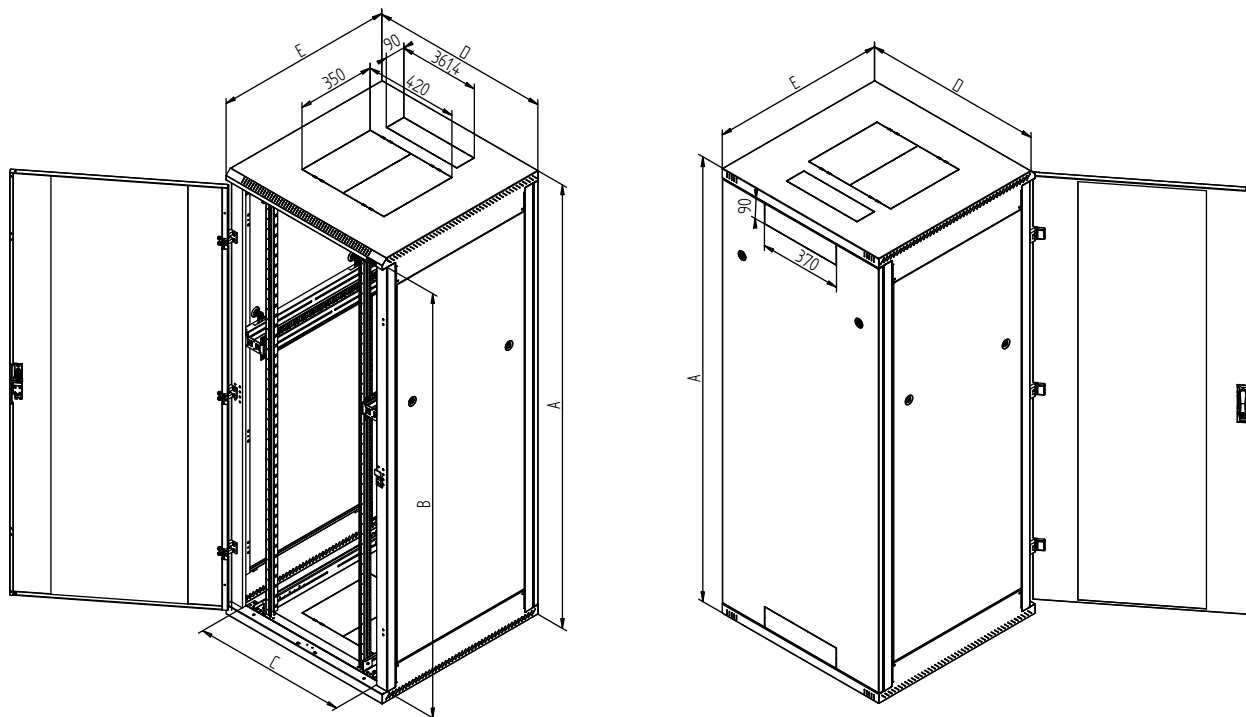
**RMA 400, 600 x 1100**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A60-CAX-A1	770	668	487	600	1100	1	55,0	50,0	400
RMA-18-A60-CAX-A1	900	798	487	600	1100	1	59,0	54,0	
RMA-22-A60-CAX-A1	1080	978	487	600	1100	2	66,0	61,0	
RMA-27-A60-CAX-A1	1300	1198	487	600	1100	2	72,0	67,0	
RMA-32-A60-CAX-A1	1525	1423	487	600	1100	3	81,0	76,0	
RMA-37-A60-CAX-A1	1750	1648	487	600	1100	3	90,0	85,0	
RMA-42-A60-CAX-A1	1970	1868	487	600	1100	3	99,0	94,0	
RMA-45-A60-CAX-A1	2105	2003	487	600	1100	3	103,0	98,0	
RMA-47-A60-CAX-A1	2194	2092	487	600	1100	3	106,0	101,0	

**RMA 400, 600 x 1200**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A62-CAX-A1	770	668	487	600	1200	1	59,0	54,0	400
RMA-18-A62-CAX-A1	900	798	487	600	1200	1	63,0	59,0	
RMA-22-A62-CAX-A1	1080	978	487	600	1200	2	70,0	65,0	
RMA-27-A62-CAX-A1	1300	1198	487	600	1200	2	74,0	69,0	
RMA-32-A62-CAX-A1	1525	1423	487	600	1200	3	83,0	78,0	
RMA-37-A62-CAX-A1	1750	1648	487	600	1200	3	94,0	89,0	
RMA-42-A62-CAX-A1	1970	1868	487	600	1200	3	103,0	98,0	
RMA-45-A62-CAX-A1	2105	2003	487	600	1200	3	107,0	102,0	
RMA-47-A62-CAX-A1	2194	2092	487	600	1200	3	110,0	105,0	

\* Solid steel door with a preparation for fan units mounting.





**RMA 400, 800 x 600**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A86-CAX-A1	770	668	687	800	600	1	40,0	35,0	400
RMA-18-A86-CAX-A1	900	798	687	800	600	1	47,0	42,0	
RMA-22-A86-CAX-A1	1080	978	687	800	600	2	52,0	47,0	
RMA-27-A86-CAX-A1	1300	1198	687	800	600	2	59,0	54,0	
RMA-32-A86-CAX-A1	1525	1423	687	800	600	3	67,0	62,0	
RMA-37-A86-CAX-A1	1750	1648	687	800	600	3	83,0	78,0	
RMA-42-A86-CAX-A1	1970	1868	687	800	600	3	90,0	85,0	
RMA-45-A86-CAX-A1	2105	2003	687	800	600	3	94,0	89,0	
RMA-47-A86-CAX-A1	2194	2092	687	800	600	3	96,0	91,0	

**RMA 400, 800 x 800**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A88-CAX-A1	770	668	687	800	800	1	55,0	49,0	400
RMA-18-A88-CAX-A1	900	798	687	800	800	1	61,0	55,0	
RMA-22-A88-CAX-A1	1080	978	687	800	800	2	67,0	61,0	
RMA-27-A88-CAX-A1	1300	1198	687	800	800	2	78,0	72,0	
RMA-32-A88-CAX-A1	1525	1423	687	800	800	3	86,0	80,0	
RMA-37-A88-CAX-A1	1750	1648	687	800	800	3	94,0	88,0	
RMA-42-A88-CAX-A1	1970	1868	687	800	800	3	102,0	96,0	
RMA-45-A88-CAX-A1	2105	2003	687	800	800	3	107,0	101,0	
RMA-47-A88-CAX-A1	2194	2092	687	800	800	3	111,0	106,0	

**RMA 400, 800 x 900**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A89-CAX-A1	770	668	687	800	900	1	61,0	55,0	400
RMA-18-A89-CAX-A1	900	798	687	800	900	1	66,0	60,0	
RMA-22-A89-CAX-A1	1080	978	687	800	900	2	73,0	67,0	
RMA-27-A89-CAX-A1	1300	1198	687	800	900	2	85,0	79,0	
RMA-32-A89-CAX-A1	1525	1423	687	800	900	3	94,0	88,0	
RMA-37-A89-CAX-A1	1750	1648	687	800	900	3	101,0	95,0	
RMA-42-A89-CAX-A1	1970	1868	687	800	900	3	109,0	103,0	
RMA-45-A89-CAX-A1	2105	2003	687	800	900	3	117,0	111,0	
RMA-47-A89-CAX-A1	2194	2092	687	800	900	3	124,0	118,0	

**RMA 400, 800 x 1000**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A81-CAX-A1	770	668	687	800	1000	1	65,0	59,0	400
RMA-18-A81-CAX-A1	900	798	687	800	1000	1	70,0	64,0	
RMA-22-A81-CAX-A1	1080	978	687	800	1000	2	78,0	73,0	
RMA-27-A81-CAX-A1	1300	1198	687	800	1000	2	87,0	81,0	
RMA-32-A81-CAX-A1	1525	1423	687	800	1000	3	97,0	91,0	
RMA-37-A81-CAX-A1	1750	1648	687	800	1000	3	107,0	101,0	
RMA-42-A81-CAX-A1	1970	1868	687	800	1000	3	116,0	110,0	
RMA-45-A81-CAX-A1	2105	2003	687	800	1000	3	122,0	117,0	
RMA-47-A81-CAX-A1	2194	2092	687	800	1000	3	126,0	120,0	



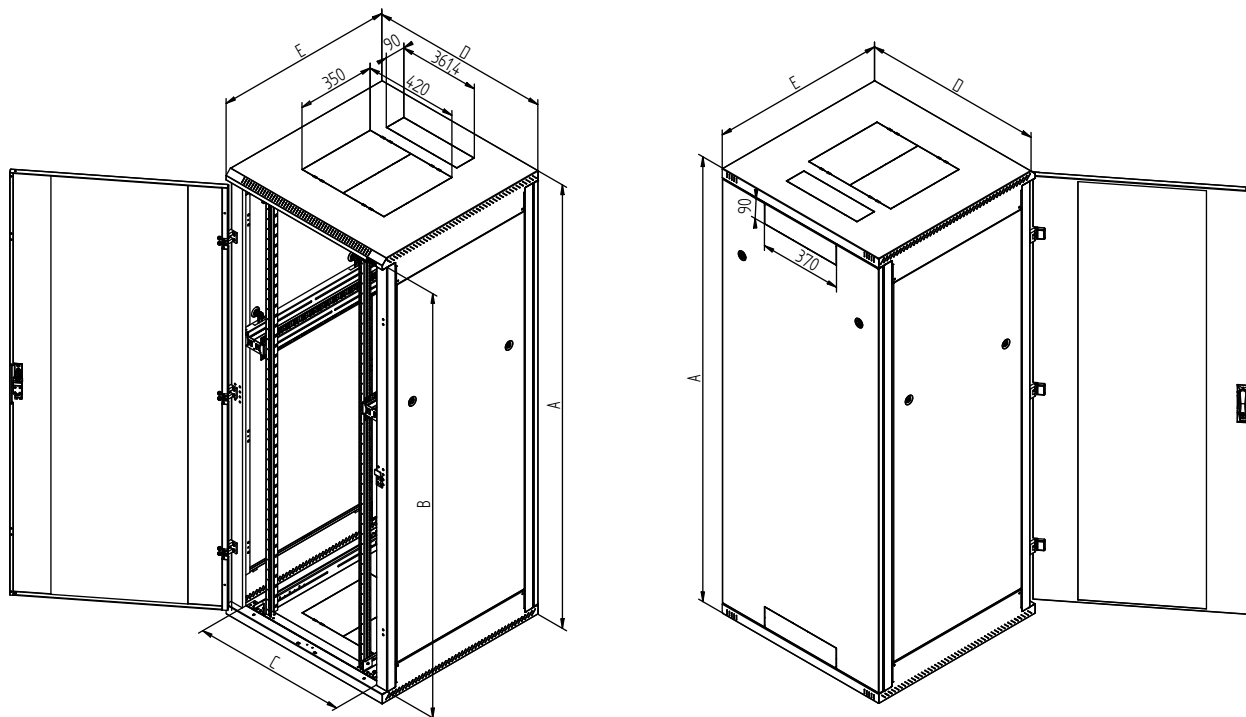
**RMA 400, 800 x 1100**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A80-CAX-A1	770	668	687	800	1100	1	69,0	64,0	400
RMA-18-A80-CAX-A1	900	798	687	800	1100	1	74,0	69,0	
RMA-22-A80-CAX-A1	1080	978	687	800	1100	2	81,0	76,0	
RMA-27-A80-CAX-A1	1300	1198	687	800	1100	2	89,0	84,0	
RMA-32-A80-CAX-A1	1525	1423	687	800	1100	3	99,0	94,0	
RMA-37-A80-CAX-A1	1750	1648	687	800	1100	3	109,0	104,0	
RMA-42-A80-CAX-A1	1970	1868	687	800	1100	3	119,0	114,0	
RMA-45-A80-CAX-A1	2105	2003	687	800	1100	3	125,0	120,0	
RMA-47-A80-CAX-A1	2194	2092	687	800	1100	3	129,0	124,0	

**RMA 400, 800 x 1200**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-15-A82-CAX-A1	770	668	687	800	1200	1	73,0	68,0	400
RMA-18-A82-CAX-A1	900	798	687	800	1200	1	78,0	73,0	
RMA-22-A82-CAX-A1	1080	978	687	800	1200	2	85,0	80,0	
RMA-27-A82-CAX-A1	1300	1198	687	800	1200	2	93,0	88,0	
RMA-32-A82-CAX-A1	1525	1423	687	800	1200	3	102,0	97,0	
RMA-37-A82-CAX-A1	1750	1648	687	800	1200	3	112,0	107,0	
RMA-42-A82-CAX-A1	1970	1868	687	800	1200	3	123,0	118,0	
RMA-45-A82-CAX-A1	2105	2003	687	800	1200	3	129,0	124,0	
RMA-47-A82-CAX-A1	2194	2092	687	800	1200	3	133,0	127,0	

\* Solid steel door with a preparation for fan units mounting.





## RMA 400 FREE-STANDING CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection.
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Welded steel frame with removable side panels.
  - Single or double doors in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet
- Maximum recommended loading capacity of the cabinet is 400 kg.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office.
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings).
- Must be protected against:
  - Mechanical damage.
  - Improper handling.
  - A different usage than the cabinet is intended for.
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load).
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet.

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.140.501/r1, date 03/01/2013 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).



RMA 800



**NEW**

## **RMA 800**

welded cabinet with removable side panels and rear cover,  
IP20, capacity 800 kg



#### ■ STRONGER RIGIDITY

Reinforcement through a closed profile.



#### ■ EARTHING

All removable parts of the cabinet are connected. There is M8 central earthing point on the back wall.



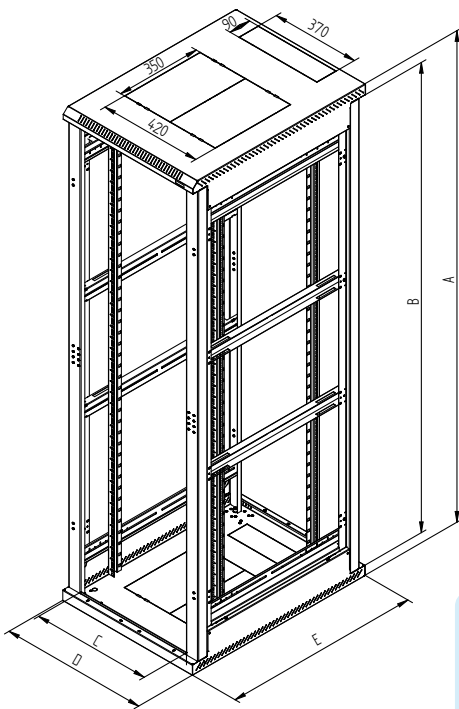
#### ■ LOAD CAPACITY 800 kg

Design changes have increased the loading capacity cabinet to 800 kg.



#### ■ ADJUSTABLE VERTICAL RAILS

Vertical 19" rails can be adjusted freely in any depth of the cabinet. This simplifies mounting of the device and configuration of connecting cables.



RMA-42-X68-CXX-AB

**RMA 800, 600 x 600**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A66-CAX-AB	1525	1423	487	600	600	3	69,5	64,1	800
RMA-37-A66-CAX-AB	1750	1648	487	600	600	3	76,5	70,9	
RMA-42-A66-CAX-AB	1970	1868	487	600	600	3	83,2	77,6	
RMA-45-A66-CAX-AB	2105	2003	487	600	600	3	87,4	81,8	
RMA-47-A66-CAX-AB	2194	2092	487	600	600	3	89,7	84,1	

**RMA 800, 600 x 800**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A68-CAX-AB	1525	1423	487	600	800	3	80,5	74,8	800
RMA-37-A68-CAX-AB	1750	1648	487	600	800	3	88,2	82,4	
RMA-42-A68-CAX-AB	1970	1868	487	600	800	3	95,7	89,8	
RMA-45-A68-CAX-AB	2105	2003	487	600	800	3	100,3	94,4	
RMA-47-A68-CAX-AB	2194	2092	487	600	800	3	102,9	97,0	

**RMA 800, 600 x 900**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A69-CAX-AB	1525	1423	487	600	900	3	88,3	82,5	800
RMA-37-A69-CAX-AB	1750	1648	487	600	900	3	96,8	90,8	
RMA-42-A69-CAX-AB	1970	1868	487	600	900	3	105,0	99,0	
RMA-45-A69-CAX-AB	2105	2003	487	600	900	3	110,0	104,0	
RMA-47-A69-CAX-AB	2194	2092	487	600	900	3	112,9	106,9	

**RMA 800, 600 x 1000**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A61-CAX-AB	1525	1423	487	600	1000	3	93,9	87,9	800
RMA-37-A61-CAX-AB	1750	1648	487	600	1000	3	102,7	96,5	
RMA-42-A61-CAX-AB	1970	1868	487	600	1000	3	111,2	105,0	
RMA-45-A61-CAX-AB	2105	2003	487	600	1000	3	116,5	110,2	
RMA-47-A61-CAX-AB	2194	2092	487	600	1000	3	119,6	113,3	

**RMA 800, 600 x 1100**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A60-CAX-AB	1525	1423	487	600	1100	3	100,3	93,1	800
RMA-37-A60-CAX-AB	1750	1648	487	600	1100	3	109,5	102,2	
RMA-42-A60-CAX-AB	1970	1868	487	600	1100	3	118,4	111,0	
RMA-45-A60-CAX-AB	2105	2003	487	600	1100	3	123,9	116,5	
RMA-47-A60-CAX-AB	2194	2092	487	600	1100	3	127,1	119,7	

**RMA 800, 600 x 1200**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A62-CAX-AB	1525	1423	487	600	1200	3	105,5	98,4	800
RMA-37-A62-CAX-AB	1750	1648	487	600	1200	3	113,1	105,8	
RMA-42-A62-CAX-AB	1970	1868	487	600	1200	3	124,4	117,0	
RMA-45-A62-CAX-AB	2105	2003	487	600	1200	3	130,0	122,7	
RMA-47-A62-CAX-AB	2194	2092	487	600	1200	3	133,3	125,9	

\* Solid steel door with a preparation for fan units mounting.



## RMA 800 FREE STANDING CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection.
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Welded steel frame with removable side panels.
  - Single or double doors in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet.
- Maximum recommended loading capacity of the cabinet is 800 kg.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office.
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings).
- Must be protected against:
  - Mechanical damage.
  - Improper handling.
  - A different usage than the cabinet is intended for.
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load).
  - With mounted set of wheels RAX-MS-X81-X1 is max. recommended load capacity 300 kg. This condition must be complied for the movement of the cabinet on wheels. In standing position the cabinet can be loaded up to maximum.
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet.

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.140.501/r3, date 21/08/2014 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).





**NEW**



RMA 800+

## **RMA 800+ >**

welded cabinet with removable side panels and rear cover, IP20,  
primary capacity 800 kg, extended capacity 1500 kg



**LOAD CAPACITY 1500 KG**

Possibility of extending the load capacity of the cabinet RMA 800+ up to 1500 kg by using side brackets RAX-VR-RMX-X1.

It is possible to mount the side brackets into already installed cabinet. The only condition is free access from both sides of the cabinet and at least 19" free space, where the brackets will be mounted.



**STRONGER RIGIDITY**

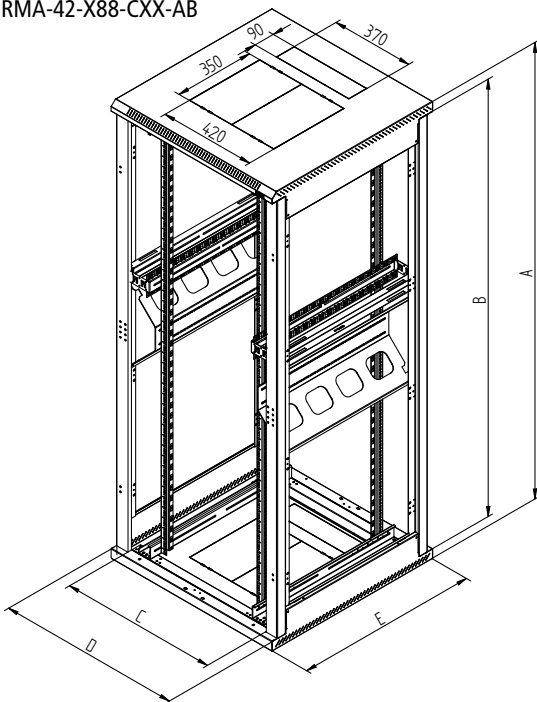
Reinforced horizontal rails.



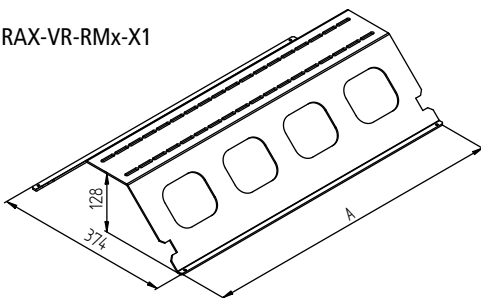
**FLEXI HORIZONTAL FRAME**

Cabinets with 800 mm width have possibility of moving the 19" span up to 2" (50,8 mm) to left or right side. For higher load capacity than 400 kg, the whole system of cabinets RMA 800+ must be in the middle position, how it is supplied by the producer.

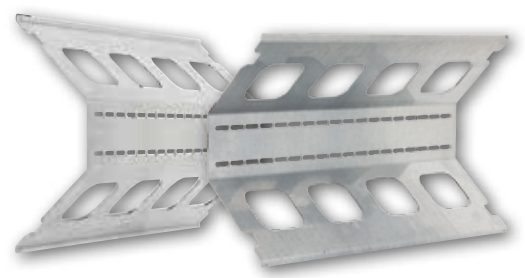
RMA-42-X88-CXX-AB



RAX-VR-RMx-X1



Reinforcing set for cabinets RMA 800+		
TYPE	Depth (mm)	A
RAX-VR-RM6-X1	600	450
RAX-VR-RM8-X1	800	650
RAX-VR-RM9-X1	900	750
RAX-VR-RM1-X1	1000	850
RAX-VR-RM0-X1	1100	950
RAX-VR-RM2-X1	1200	1050





**RMA 800+, 800 x 600**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A86-XAX-AB	1525	1423	687	800	600	3	84,6	78,7	800
RMA-37-A86-XAX-AB	1750	1648	687	800	600	3	94,1	88,0	
RMA-42-A86-XAX-AB	1970	1868	687	800	600	3	101,8	95,6	1500**
RMA-45-A86-XAX-AB	2105	2003	687	800	600	3	106,3	100,0	
RMA-47-A86-XAX-AB	2194	2092	687	800	600	3	108,9	102,6	

**RMA 800+, 800 x 800**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A88-XAX-AB	1525	1423	687	800	800	3	96,3	89,7	800
RMA-37-A88-XAX-AB	1750	1648	687	800	800	3	107,1	100,3	
RMA-42-A88-XAX-AB	1970	1868	687	800	800	3	115,4	108,4	1500**
RMA-45-A88-XAX-AB	2105	2003	687	800	800	3	120,4	113,4	
RMA-47-A88-XAX-AB	2194	2092	687	800	800	3	123,4	116,4	

**RMA 800+, 800 x 900**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A89-XAX-AB	1525	1423	687	800	900	3	104,8	97,5	800
RMA-37-A89-XAX-AB	1750	1648	687	800	900	3	116,5	109,1	
RMA-42-A89-XAX-AB	1970	1868	687	800	900	3	125,5	118,0	1500**
RMA-45-A89-XAX-AB	2105	2003	687	800	900	3	131,0	123,4	
RMA-47-A89-XAX-AB	2194	2092	687	800	900	3	134,3	126,6	

**RMA 800+, 800 x 1000**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A81-XAX-AB	1525	1423	687	800	1000	3	110,4	103,0	800
RMA-37-A81-XAX-AB	1750	1648	687	800	1000	3	122,8	115,2	
RMA-42-A81-XAX-AB	1970	1868	687	800	1000	3	132,2	124,4	1500**
RMA-45-A81-XAX-AB	2105	2003	687	800	1000	3	137,9	130,1	
RMA-47-A81-XAX-AB	2194	2092	687	800	1000	3	141,3	133,4	

**RMA 800+, 800 x 1100**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A80-XAX-AB	1525	1423	687	800	1100	3	115,7	108,4	800
RMA-37-A80-XAX-AB	1750	1648	687	800	1100	3	128,7	121,3	
RMA-42-A80-XAX-AB	1970	1868	687	800	1100	3	138,5	130,9	1500**
RMA-45-A80-XAX-AB	2105	2003	687	800	1100	3	144,4	136,8	
RMA-47-A80-XAX-AB	2194	2092	687	800	1100	3	147,9	140,3	

**RMA 800+, 800 x 1200**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RMA-32-A82-XAX-AB	1525	1423	687	800	1200	3	121,1	113,9	800
RMA-37-A82-XAX-AB	1750	1648	687	800	1200	3	132,9	125,4	
RMA-42-A82-XAX-AB	1970	1868	687	800	1200	3	143,0	135,4	1500**
RMA-45-A82-XAX-AB	2105	2003	687	800	1200	3	151,0	143,4	
RMA-47-A82-XAX-AB	2194	2092	687	800	1200	3	154,8	147,1	

\* Solid steel door with a preparation for fan units mounting.

\*\* With using the reinforcing set.



## RMA 800+ FREE STANDING CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection.
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Welded steel frame with removable side panels.
  - Single or double doors in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office.
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings).
- Must be protected against:
  - Mechanical damage.
  - Improper handling.
  - A different usage than the cabinet is intended for.
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load).
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet.

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.140.501/r3, date 21/08/2014 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).





RZA

# RZA >

Cabinet can be disassembled, welded parts easily bolt together, IP20, capacity up to 400 kg





#### ■ BREAKOUT-TYPE BLANKING PANELS

Entry openings for cables (370 x 90 mm) in the rear part of the cabinet are covered with breakout-type blanking panels. To avoid dust penetration, it is possible to seal the cables at the entry opening by a brush strip, eventually just secure by a plastic protective frame (both supplied with the cabinet).

A large opening in the top covered with a breakout-type blanking panel enables mounting and removal of a Triton fan unit from outside of the cabinet without a need of using screws.

RZA 800 x 800 mm

#### ■ RIGID CONSTRUCTION

The RZA has a robust bolted construction. High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



#### ■ FLEXIBLE DOOR OPENING

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



#### ■ TRITON HANDLES

We manufacture our own handles for the free-standing cabinets. By changing the plastic module (not included), a traditional or semi-cylindrical lock insert can be used. PATENT: PUV 2013-27443



#### ■ FLEX FRAME

(for cabinet of 800 mm width) This system enables sliding vertical rails to be installed in a span of 19", 21" and 23", just as needed for the equipment being used.



#### ■ REMOVABLE SIDE PANELS AND REAR COVER

RZA has a welded frame and removable side panels. These are fixed as standard to the frame using a lock with the same key as the door and rear cover.



#### ■ REMOVABLE PARTS

Individual RZA parts are bolted together to form a compact unit with the same maximum loading capacity as a welded cabinet. Most of the parts are joined by Tap-Tite thread-forming screws. This ensures a very high rigidity of the bolted connection even after being disassembled any number of times. The product is supplied assembled and can be moved to difficult to reach places after partial or complete disassembling.



#### ■ CASTORS, LEVELLING FEET

Prepared for mounting castors and levelling feet.



#### ■ DOOR FOR FAN UNITS

With this cabinet type, it is possible to order a special metal door ready for mounting RAX-CH-X0x-X3 fan units. Further information is available in the section Active cooling.

**RZA 600 x 600**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A66-CAX-A1	770	668	487	600	600	1	42,5	35,7	300
RZA-18-A66-CAX-A1	900	798	487	600	600	1	46,3	39,5	
RZA-22-A66-CAX-A1	1080	978	487	600	600	2	51,5	44,6	
RZA-27-A66-CAX-A1	1300	1198	487	600	600	2	59,8	52,8	400
RZA-32-A66-CAX-A1	1525	1423	487	600	600	3	66,6	59,6	
RZA-37-A66-CAX-A1	1750	1648	487	600	600	3	73,7	66,5	
RZA-42-A66-CAX-A1	1970	1868	487	600	600	3	80,3	73,2	
RZA-45-A66-CAX-A1	2105	2003	487	600	600	3	84,4	77,3	
RZA-47-A66-CAX-A1	2194	2092	487	600	600	3	87,0	79,9	

**RZA 600 x 800**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A68-CAX-A1	770	668	487	600	800	1	48,5	41,5	300
RZA-18-A68-CAX-A1	900	798	487	600	800	1	52,8	45,7	
RZA-22-A68-CAX-A1	1080	978	487	600	800	2	58,5	51,5	
RZA-27-A68-CAX-A1	1300	1198	487	600	800	2	67,6	60,4	400
RZA-32-A68-CAX-A1	1525	1423	487	600	800	3	75,2	67,9	
RZA-37-A68-CAX-A1	1750	1648	487	600	800	3	83,0	75,6	
RZA-42-A68-CAX-A1	1970	1868	487	600	800	3	90,4	83,0	
RZA-45-A68-CAX-A1	2105	2003	487	600	800	3	95,0	87,5	
RZA-47-A68-CAX-A1	2194	2092	487	600	800	3	97,9	90,5	

**RZA 600 x 900**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A69-CAX-A1	770	668	487	600	900	1	52,3	45,4	300
RZA-18-A69-CAX-A1	900	798	487	600	900	1	57,0	50,1	
RZA-22-A69-CAX-A1	1080	978	487	600	900	2	63,3	56,4	
RZA-27-A69-CAX-A1	1300	1198	487	600	900	2	74,1	67,0	400
RZA-32-A69-CAX-A1	1525	1423	487	600	900	3	82,6	75,5	
RZA-37-A69-CAX-A1	1750	1648	487	600	900	3	91,3	84,0	
RZA-42-A69-CAX-A1	1970	1868	487	600	900	3	99,5	92,3	
RZA-45-A69-CAX-A1	2105	2003	487	600	900	3	104,6	97,4	
RZA-47-A69-CAX-A1	2194	2092	487	600	900	3	108,2	100,9	

**RZA 600 x 1000**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A61-CAX-A1	770	668	487	600	1000	1	55,2	48,3	300
RZA-18-A61-CAX-A1	900	798	487	600	1000	1	60,1	53,2	
RZA-22-A61-CAX-A1	1080	978	487	600	1000	2	66,8	59,8	
RZA-27-A61-CAX-A1	1300	1198	487	600	1000	2	77,9	70,8	400
RZA-32-A61-CAX-A1	1525	1423	487	600	1000	3	86,8	79,6	
RZA-37-A61-CAX-A1	1750	1648	487	600	1000	3	95,8	88,5	
RZA-42-A61-CAX-A1	1970	1868	487	600	1000	3	104,5	97,1	
RZA-45-A61-CAX-A1	2105	2003	487	600	1000	3	109,8	102,5	
RZA-47-A61-CAX-A1	2194	2092	487	600	1000	3	113,4	106,0	



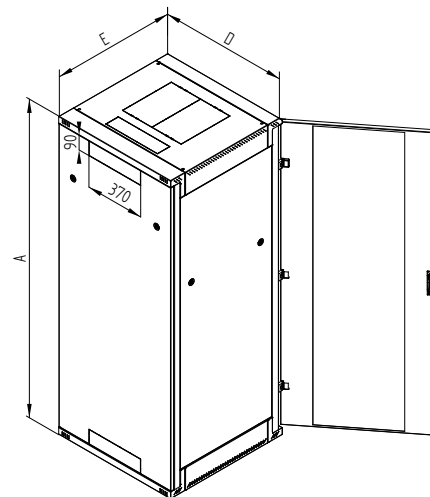
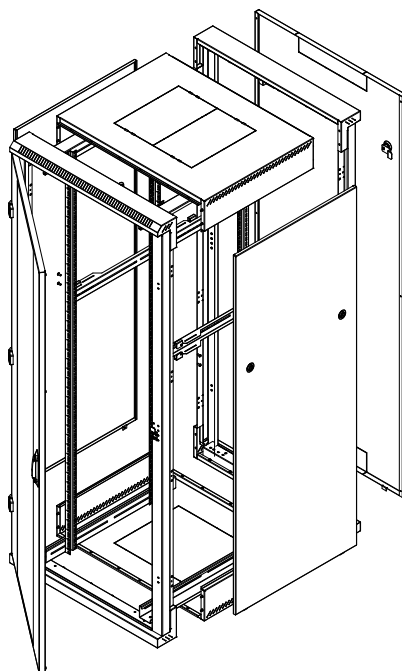
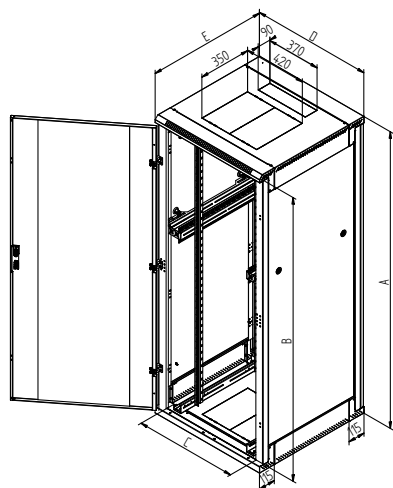
**RZA 600 x 1100**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A60-CAX-A1	770	668	487	600	1100	1	61,0	49,5	300
RZA-18-A60-CAX-A1	900	798	487	600	1100	1	67,6	54,7	
RZA-22-A60-CAX-A1	1080	978	487	600	1100	2	74,8	61,9	
RZA-27-A60-CAX-A1	1300	1198	487	600	1100	2	84,0	70,9	400
RZA-32-A60-CAX-A1	1525	1423	487	600	1100	3	93,0	79,9	
RZA-37-A60-CAX-A1	1750	1648	487	600	1100	3	102,2	89,0	
RZA-42-A60-CAX-A1	1970	1868	487	600	1100	3	111,1	97,8	
RZA-45-A60-CAX-A1	2105	2003	487	600	1100	3	116,6	103,3	
RZA-47-A60-CAX-A1	2194	2092	487	600	1100	3	119,8	106,5	

**RZA 600 x 1200**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A62-CAX-A1	770	668	487	600	1200	1	64,0	52,4	300
RZA-18-A62-CAX-A1	900	798	487	600	1200	1	69,4	57,8	
RZA-22-A62-CAX-A1	1080	978	487	600	1200	2	76,9	65,3	
RZA-27-A62-CAX-A1	1300	1198	487	600	1200	2	86,4	74,6	400
RZA-32-A62-CAX-A1	1525	1423	487	600	1200	3	95,8	84,0	
RZA-37-A62-CAX-A1	1750	1648	487	600	1200	3	103,5	91,5	
RZA-42-A62-CAX-A1	1970	1868	487	600	1200	3	114,7	102,7	
RZA-45-A62-CAX-A1	2105	2003	487	600	1200	3	120,3	108,3	
RZA-47-A62-CAX-A1	2194	2092	487	600	1200	3	123,7	111,7	

\* Solid steel door with a preparation for fan units mounting.



**RZA 800 x 600**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A86-CAX-A1	770	668	687	800	600	1	53,3	43,2	300
RZA-18-A86-CAX-A1	900	798	687	800	600	1	57,6	47,4	
RZA-22-A86-CAX-A1	1080	978	687	800	600	2	63,4	53,1	
RZA-27-A86-CAX-A1	1300	1198	687	800	600	2	72,5	62,1	400
RZA-32-A86-CAX-A1	1525	1423	687	800	600	3	80,1	69,6	
RZA-37-A86-CAX-A1	1750	1648	687	800	600	3	87,9	77,2	
RZA-42-A86-CAX-A1	1970	1868	687	800	600	3	95,4	84,7	
RZA-45-A86-CAX-A1	2105	2003	687	800	600	3	99,9	89,2	
RZA-47-A86-CAX-A1	2194	2092	687	800	600	3	102,9	92,2	

**RZA 800 x 800**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A88-CAX-A1	770	668	687	800	800	1	60,2	50,0	300
RZA-18-A88-CAX-A1	900	798	687	800	800	1	64,9	54,7	
RZA-22-A88-CAX-A1	1080	978	687	800	800	2	71,3	61,1	
RZA-27-A88-CAX-A1	1300	1198	687	800	800	2	81,1	70,7	400
RZA-32-A88-CAX-A1	1525	1423	687	800	800	3	89,5	79,0	
RZA-37-A88-CAX-A1	1750	1648	687	800	800	3	98,0	87,4	
RZA-42-A88-CAX-A1	1970	1868	687	800	800	3	106,3	95,6	
RZA-45-A88-CAX-A1	2105	2003	687	800	800	3	111,3	100,6	
RZA-47-A88-CAX-A1	2194	2092	687	800	800	3	114,6	103,8	

**RZA 800 x 900**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A89-CAX-A1	770	668	687	800	900	1	64,9	54,5	300
RZA-18-A89-CAX-A1	900	798	687	800	900	1	70,1	59,6	
RZA-22-A89-CAX-A1	1080	978	687	800	900	2	77,0	66,5	
RZA-27-A89-CAX-A1	1300	1198	687	800	900	2	88,6	77,9	400
RZA-32-A89-CAX-A1	1525	1423	687	800	900	3	97,8	87,1	
RZA-37-A89-CAX-A1	1750	1648	687	800	900	3	107,2	96,4	
RZA-42-A89-CAX-A1	1970	1868	687	800	900	3	116,4	105,4	
RZA-45-A89-CAX-A1	2105	2003	687	800	900	3	121,9	111,0	
RZA-47-A89-CAX-A1	2194	2092	687	800	900	3	125,8	114,8	

**RZA 800 x 1000**

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A81-CAX-A1	770	668	687	800	1000	1	68,4	57,9	300
RZA-18-A81-CAX-A1	900	798	687	800	1000	1	73,7	63,3	
RZA-22-A81-CAX-A1	1080	978	687	800	1000	2	81,0	70,5	
RZA-27-A81-CAX-A1	1300	1198	687	800	1000	2	92,9	82,2	400
RZA-32-A81-CAX-A1	1525	1423	687	800	1000	3	102,5	91,8	
RZA-37-A81-CAX-A1	1750	1648	687	800	1000	3	112,3	101,4	
RZA-42-A81-CAX-A1	1970	1868	687	800	1000	3	121,8	110,8	
RZA-45-A81-CAX-A1	2105	2003	687	800	1000	3	127,6	116,6	
RZA-47-A81-CAX-A1	2194	2092	687	800	1000	3	131,5	120,5	

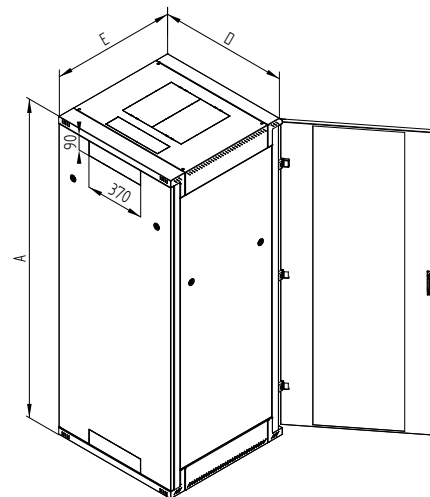
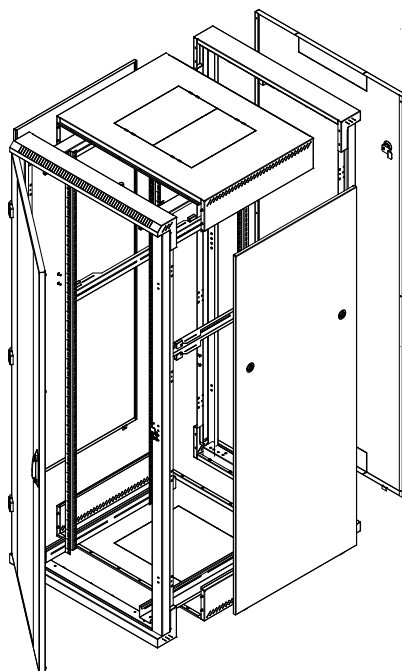
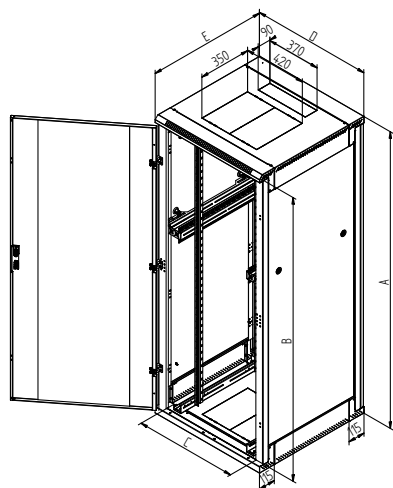
## RZA 800 x 1100

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A80-CAX-A1	770	668	687	800	1100	1	79,7	65,8	300
RZA-18-A80-CAX-A1	900	798	687	800	1100	1	85,4	71,6	
RZA-22-A80-CAX-A1	1080	978	687	800	1100	2	93,3	79,4	
RZA-27-A80-CAX-A1	1300	1198	687	800	1100	2	101,9	87,9	400
RZA-32-A80-CAX-A1	1525	1423	687	800	1100	3	111,8	97,7	
RZA-37-A80-CAX-A1	1750	1648	687	800	1100	3	121,8	107,5	
RZA-42-A80-CAX-A1	1970	1868	687	800	1100	3	131,4	116,9	
RZA-45-A80-CAX-A1	2105	2003	687	800	1100	3	137,4	123,0	
RZA-47-A80-CAX-A1	2194	2092	687	800	1100	3	141,0	126,6	

## RZA 800 x 1200

TYPE	A	B	C	D	E	Openings for fan*	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)								
RZA-15-A82-CAX-A1	770	668	687	800	1200	1	83,4	69,5	300
RZA-18-A82-CAX-A1	900	798	687	800	1200	1	88,8	75,1	
RZA-22-A82-CAX-A1	1080	978	687	800	1200	2	97,3	83,4	
RZA-27-A82-CAX-A1	1300	1198	687	800	1200	2	106,3	92,3	400
RZA-32-A82-CAX-A1	1525	1423	687	800	1200	3	116,5	102,4	
RZA-37-A82-CAX-A1	1750	1648	687	800	1200	3	124,9	110,7	
RZA-42-A82-CAX-A1	1970	1868	687	800	1200	3	136,9	122,4	
RZA-45-A82-CAX-A1	2105	2003	687	800	1200	3	143,1	128,7	
RZA-47-A82-CAX-A1	2194	2092	687	800	1200	3	146,8	132,4	

\* Solid steel door with a preparation for fan units mounting.







## RZA FREE-STANDING CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Steel frame joined by bolts from welded parts, with removable side panels
  - Single or double doors in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.140.502/r1, date 03/01/2013 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).





RXA

**RXA** >

Cabinet delivered as flat-pack,  
IP20, capacity 800 kg



Reduced costs for shipping and storage, easy installation in areas with limited access, increased capacity. These were the basic requirements when we developed the RXA free-standing cabinet. Packaging it in three cardboard boxes means that even several oversized server cabinets can be carried by minivan. It can be assembled quickly and easily and the 800 kg loading capacity is sufficient for the needs of most common applications.





#### ■ CABLE INPUTS

Universal cabinet roof of 600 and 800 mm widths has breakout blanks for cable inputs on the front and back which allow convenient installation of the cables. The large breakout panel in the middle is intended for a Triton ventilation unit (see the section on Active Ventilation). With the 800 mm wide cabinets, extra covers on the sides of the central roof allow cables to also be conveniently led to the side wall of the cabinet. Brush covers are included to prevent dust from entering the cable inputs.



#### ■ CAPACITY 800 KG

This sturdy cabinet structure, based on the strong welded door frames, is able to safely carry a load of 800 kg. In the 800 mm cabinets, reinforced vertical rails can be installed with a spacing of 19", 21" and even 23".



#### ■ EARTHING

All parts of the cabinet are connected and earthed. Individual parts of the cabinet frame are bolted together; removable parts are connected to the earthing system with wires and connectors that ensure their safe earthing according to all relevant standards.



#### ■ DISTRIBUTION PANELS

The 19" vertical rail shipping brackets in the door frame are also intended for installing distribution panels in the cabinet frame, where they do not take up any of the valuable space.



Cabinet dimensions are determined by their height (given in Units), width and depth.

It is delivered in **three cardboard boxes** of the same height.

- two of them contain the front/rear frame of the required width with a door or sheet metal cover. All the doors for this type are supplied with hook-on hinges for easy assembly. The door may be glazed, solid steel or perforated, in single or double version.
- The third box then determines the depth of the cabinet and contains the necessary structural components, side panels and cabinet roof. This part is universal for widths of 600 and 800 mm. For cabinets deeper than 800 mm, the side panels are divided into more parts, so that all the boxes have a maximum width of 800 mm.

For deliveries of larger volume, we have developed a practical holder for EURO pallets, which allows safe and easy transport of the cabinets.





**■ VERTICAL RAILS**

Reinforced vertical rails are fully adjustable to the depth of the cabinet. Marks on sliding rails simplify the alignment of all verticals.



**■ SIDE PANELS**

The side panels are locked on the middle sliding rail. Their locks generally use the same standard key as the front and rear doors. For cabinets deeper than 800 mm, the side panels are divided into more parts, so that the shipping boxes will not be wider than 800 mm.



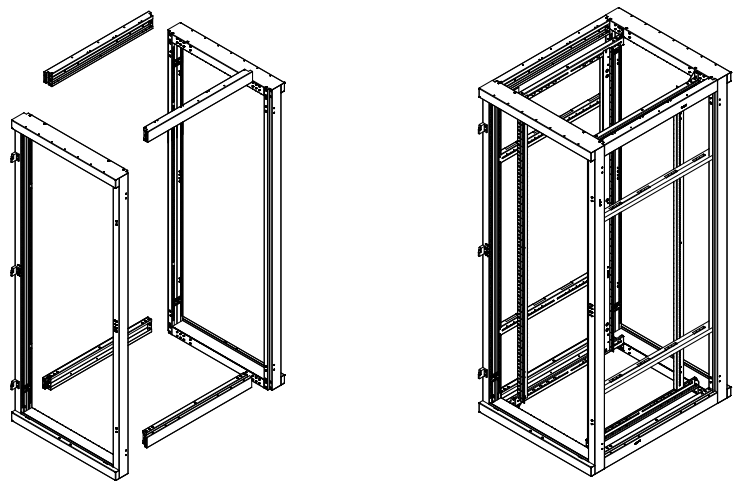
**■ EASY INSTALLATION**

A system of interlocking joints together with self-threading screws makes easy assembly while maintaining high rigidity of the cabinet.



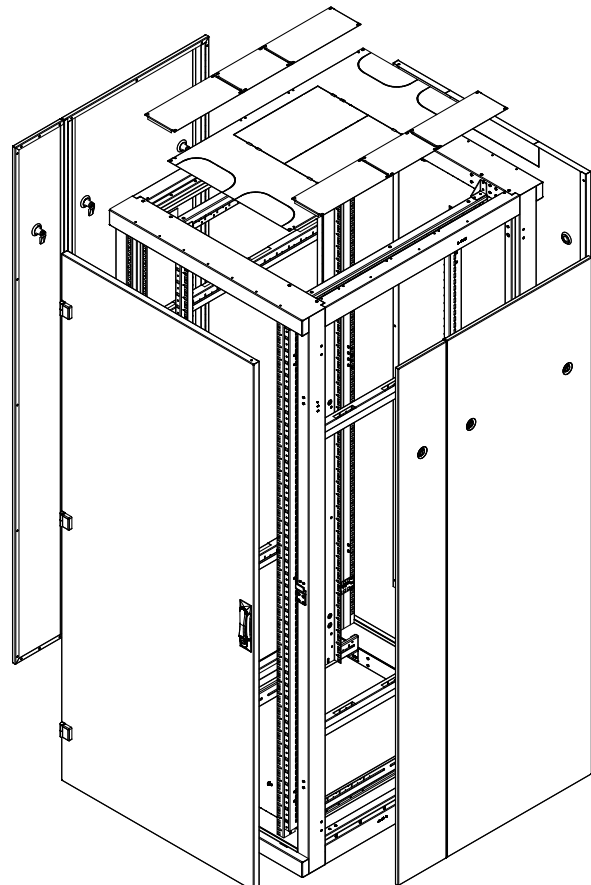
**■ CABINET FLOOR**

The floor of the cabinet is open, thus ensuring maximum flow of cooling air and convenience of cabling.

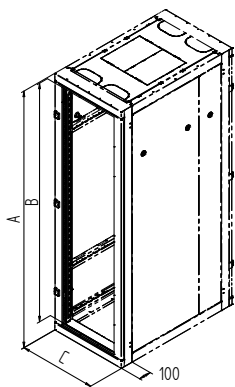


**■ FEET, CASTORS, BASE**

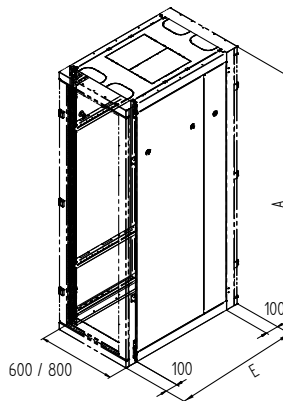
The RXA free standing cabinet can be mounted on levelling feet (included), on castors or on a fixed base (see the Accessories section)



RXA-42-A6X-XAX-A1



RXA-42-XX1-XAX-A1



**RXA - Door frame 600 mm**

TYPE	A	B	C	Door (Cover)	Weight gross (kg)	Weight net (kg)	Maximum recommended loading of assembled cabinet (kg)
	(mm)						
RXA-42-A6X-CAX-A1	2000	1868	600	Glazed single	36,6	34,6	800
RXA-42-E6X-CDX-A1	2000	1868	600	Glazed double	38,2	36,2	
RXA-42-C6X-CAX-A1	2000	1868	600	Sheet steel single	34,3	32,3	
RXA-42-F6X-CDX-A1	2000	1868	600	Sheet steel double	36,2	34,2	
RXA-42-L6X-CAX-A1	2000	1868	600	Perforated single	30,7	28,7	
RXA-42-G6X-CDX-A1	2000	1868	600	Perforated double	35,7	33,7	
RXA-42-Z6X-CZX-A1	2000	1868	600	Sheet steel cover	33,1	31,1	
RXA-47-A6X-CAX-A1	2220	2090	600	Glazed single	39,9	37,7	
RXA-47-E6X-CDX-A1	2220	2090	600	Glazed double	42,1	39,9	
RXA-47-C6X-CAX-A1	2220	2090	600	Sheet steel single	37,6	35,4	
RXA-47-F6X-CDX-A1	2220	2090	600	Sheet steel double	39,8	37,6	
RXA-47-L6X-CAX-A1	2220	2090	600	Perforated single	33,6	31,4	
RXA-47-G6X-CDX-A1	2220	2090	600	Perforated double	39,1	36,9	
RXA-47-Z6X-CZX-A1	2220	2090	600	Sheet steel cover	36,5	34,3	

**RXA - Door frame 800 mm**

TYPE	A	B	C	Door (Cover)	Weight gross (kg)	Weight net (kg)	Maximum recommended loading of assembled cabinet (kg)
	(mm)						
RXA-42-A8X-CAX-A1	2000	1868	800	Glazed single	41,6	39,2	800
RXA-42-E8X-CDX-A1	2000	1868	800	Glazed double	44,4	42,0	
RXA-42-C8X-CAX-A1	2000	1868	800	Sheet steel single	39,2	36,8	
RXA-42-F8X-CDX-A1	2000	1868	800	Sheet steel double	41,3	38,9	
RXA-42-L8X-CAX-A1	2000	1868	800	Perforated single	33,3	30,9	
RXA-42-G8X-CDX-A1	2000	1868	800	Perforated double	38,4	36,0	
RXA-42-Z8X-CZX-A1	2000	1868	800	Sheet steel cover	38,0	35,6	
RXA-47-A8X-CAX-A1	2220	2090	800	Glazed single	45,4	42,6	
RXA-47-E8X-CDX-A1	2220	2090	800	Glazed double	48,4	45,6	
RXA-47-C8X-CAX-A1	2220	2090	800	Sheet steel single	43,2	40,4	
RXA-47-F8X-CDX-A1	2220	2090	800	Sheet steel double	45,5	42,7	
RXA-47-L8X-CAX-A1	2220	2090	800	Perforated single	36,7	33,9	
RXA-47-G8X-CDX-A1	2220	2090	800	Perforated double	42,2	39,4	
RXA-47-Z8X-CZX-A1	2220	2090	800	Sheet steel cover	42,0	39,2	

**RXA - Flat-pack set, universal for widths of 600 and 800 mm**

TYPE	A	E	Gross weight (kg)	Net weight (kg)	Maximum recommended loading of assembled cabinet (kg)
	(mm)				
RXA-42-XX8-CAX-A1	2000	800	45,2	38,7	800
RXA-42-XX1-CAX-A1	2000	1000	56,4	51,4	
RXA-42-XX2-CAX-A1	2000	1200	67,8	64,2	
RXA-47-XX8-CAX-A1	2220	800	48,2	41,4	
RXA-47-XX1-CAX-A1	2220	1000	60,3	55,1	
RXA-47-XX2-CAX-A1	2220	1200	72,7	68,8	





## RXA FLAT-PACK

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection
- The frame includes a pair of vertical rails for equipment installation. After setting up two frames and the middle part of the cabinet, two pairs of vertical rails are available.
- Cabinet construction:
  - Steel welded construction, can be disassembled, with removable cover panels.
  - Single or double doors in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- The racks are designed for installation of data and telecommunication equipment and distribution systems.
- Frame of the cabinet and all detachable parts are connected by grounding cables that must be properly fitted and inserted into the connectors when using the cabinet.
- The frame includes M8 nut which together with a corresponding M8 bolt provides a main earthing point.
- There are breakout panels at the top of the cabinet for cable input or for a ventilation unit. For cabinets of 800 mm width, there are also available cabling inputs on the sides of the cabinet roof covered with screwed-on panels.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

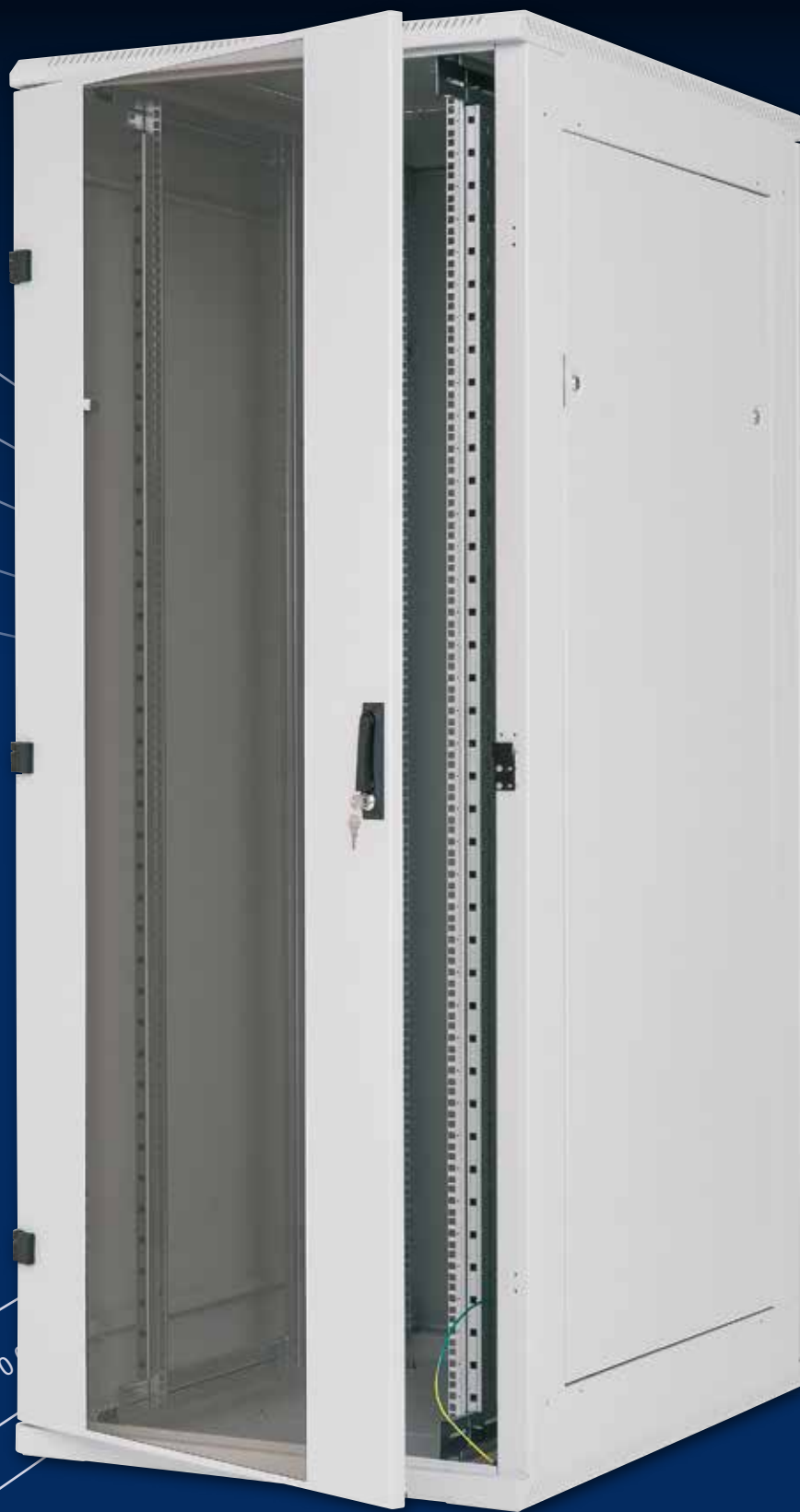
- The cabinet must be assembled according to the attached instructions.
- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- If any cables pass through any of the input openings, they may be sealed against the entry of dust using the brush covers (included).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).



RDA

00000110010

10101111

# RDA - the server cabinet

Welded server cabinet,  
IP20, capacity 1500 kg



#### ■ LOADING CAPACITY 1500 KG

The RDA data cabinet has a reinforced construction and it is made of thicker material. Also 19" vertical rails are designed for a higher loading capacity. A version with depth over 800mm has a central pair of vertical rails as a standard solution.



#### ■ HOOK-ON HINGES

Our standard door hinges can be replaced by its new put-in alternative. Door can be taken off, which allow an easy installation and configuration of all installed equipment. These hinges are fully compatible with previous versions. Please refer to section „Accessories“.



#### ■ TRITON HANDLES

We manufacture our own handles for the free-standing cabinets. By changing the plastic module (not included), a traditional or semi-cylindrical lock insert can be used. PATENT: PUV 2013-27443

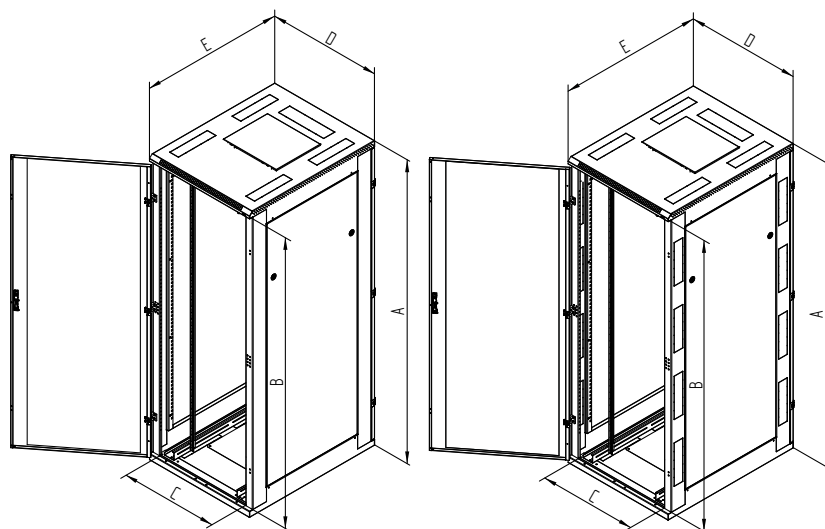


RDA 800 x 1000 mm



#### ■ WIDER BODY RAILS

Wider rails in the body of a cabinet are intended for an additional installation of 19" power management panels, which afterwards do not occupy space within the cabinet. Thanks to this smart solution of gripping, it does not block sliding servers even for the 600 mm cabinet type. In addition to this solution the A5 version (at the end of the cabinet code) is characterized by break-out blanking panels for possible cable input and management in between neighbouring cabinets.



### ■ RDA DATA CABINET

The RDA data cabinet is intended for servers and active equipment for computer networks. It is usually supplied with a perforated door to provide maximum cooling. It is possible to improve cooling by installing fan units to the ceiling or to the base section of the RDA cabinet. Cable entries above 19" vertical rails are covered with break-out blanking panels and also provide with an easy connection of installed technologies into a larger unit. A slightly different version is developed for „Data centers“.

### RDA – free standing server cabinets model A1 and A5

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RDA-37-L68-CAX-Ax-GDA	1750	1648	487	600	800	104,3	96,0	1500
RDA-42-L68-CAX-Ax-GDA	1970	1868	487	600	800	113,3	104,8	
RDA-45-L68-CAX-Ax-GDA	2105	2003	487	600	800	118,8	110,1	
RDA-47-L68-CAX-Ax-GDA	2194	2092	487	600	800	121,6	113,0	
RDA-37-L61-CAX-Ax-GDA	1750	1648	487	600	1000	121,8	110,9	
RDA-42-L61-CAX-Ax-GDA	1970	1868	487	600	1000	131,7	120,7	
RDA-45-L61-CAX-Ax-GDA	2105	2003	487	600	1000	137,8	126,8	
RDA-47-L61-CAX-Ax-GDA	2194	2092	487	600	1000	141,1	130,1	
RDA-37-L60-CAX-Ax-GDA	1750	1648	487	600	1100	129,8	116,9	
RDA-42-L60-CAX-Ax-GDA	1970	1868	487	600	1100	140,1	127,1	
RDA-45-L60-CAX-Ax-GDA	2105	2003	487	600	1100	146,4	133,4	
RDA-47-L60-CAX-Ax-GDA	2194	2092	487	600	1100	149,9	136,8	
RDA-37-L62-CAX-Ax-GDA	1750	1648	487	600	1200	133,3	121,1	
RDA-42-L62-CAX-Ax-GDA	1970	1868	487	600	1200	145,9	133,6	
RDA-45-L62-CAX-Ax-GDA	2105	2003	487	600	1200	152,4	140,1	
RDA-47-L62-CAX-Ax-GDA	2194	2092	487	600	1200	154,9	142,7	
RDA-37-L88-CAX-Ax-GDA	1750	1648	687	800	800	153,8	139,4	
RDA-42-L88-CAX-Ax-GDA	1970	1868	687	800	800	129,9	120,1	
RDA-45-L88-CAX-Ax-GDA	2105	2003	687	800	800	135,5	125,6	
RDA-47-L88-CAX-Ax-GDA	2194	2092	687	800	800	135,5	125,6	
RDA-37-L81-CAX-Ax-GDA	1750	1648	687	800	1000	138,7	128,7	
RDA-42-L81-CAX-Ax-GDA	1970	1868	687	800	1000	141,1	137,6	
RDA-45-L81-CAX-Ax-GDA	2105	2003	687	800	1000	157,5	143,8	
RDA-47-L81-CAX-Ax-GDA	2194	2092	687	800	1000	161,0	147,4	
RDA-37-L80-CAX-Ax-GDA	1750	1648	687	800	1100	147,6	134,6	
RDA-42-L80-CAX-Ax-GDA	1970	1868	687	800	1100	158,2	145,1	
RDA-45-L80-CAX-Ax-GDA	2105	2003	687	800	1100	164,6	151,6	
RDA-47-L80-CAX-Ax-GDA	2194	2092	687	800	1100	169,7	155,1	
RDA-37-L82-CAX-Ax-GDA	1750	1648	687	800	1200	153,8	139,4	
RDA-42-L82-CAX-Ax-GDA	1970	1868	687	800	1200	166,8	152,2	
RDA-45-L82-CAX-Ax-GDA	2105	2003	687	800	1200	173,5	158,8	
RDA-47-L82-CAX-Ax-GDA	2194	2092	687	800	1200	177,3	162,5	

With exact configuration will help you program on our website <http://www.triton.cz/en/konfigurator>.





## SERVER CABINET RDA

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Welded steel frame with removable side panels fixed by locks
  - Single or double doors in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet.
  - Preparation for installation of power distribution units to the frame
  - Preparation for joining the cabinets together
  - A5 version has a breakout cable entries in the frame for the cabling between cabinets
- The maximum recommended load of cabinet is 1500 kg, maximum load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- The racks are designed for installation of data and telecommunication equipment and distribution systems.
- Frame of the cabinet and all detachable parts are connected by grounding cables that must be properly fitted and inserted into the connectors when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Can be mounted on castors and levelling feet.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.033.157, date 23/08/2012 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).



RDE



**RDE** >

Welded server cabinet prepared for the installation of independent air-conditioning units, IP54, capacity 1500 kg



#### ■ LOADING CAPACITY 1500 kg

The RDA data cabinet has a reinforced construction and it is made of thicker material. Also 19" vertical rails are designed for a higher loading capacity. A version with depth over 800mm has a central pair of vertical rails as a standard solution.



#### ■ PROTECTION AGAINST DUST AND HUMIDITY IP54

All the doors and covers are equipped with a sealing that ensures protection against dust penetration and humidity. Installation of air-conditioning lowers the IP protection of the entire system to IP20. For more information see the section Active Cooling.



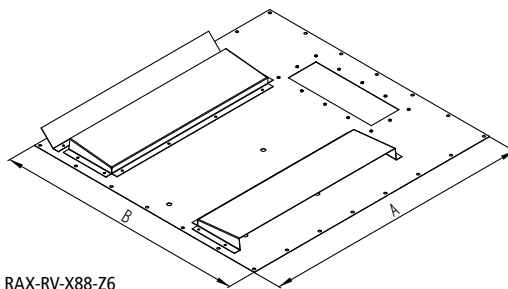
#### ■ WIDER BODY RAILS

Wider rails in the body of a cabinet are intended for an additional installation of 19" power management panels that afterwards do not occupy space within the cabinet. Thanks to this smart solution it does not block sliding servers even within the 600 mm cabinet type.



#### ■ SERVER CABINET WITH AN IP54 PROTECTION

The RDE cabinets are primarily intended for an installation of servers and active devices parallelly with a Triton A/C units. Air conditioning unit is necessary to install only to data cabinets with a high IP protection for a correct function.



RAX-RV-X88-Z6

### A/C UNITS

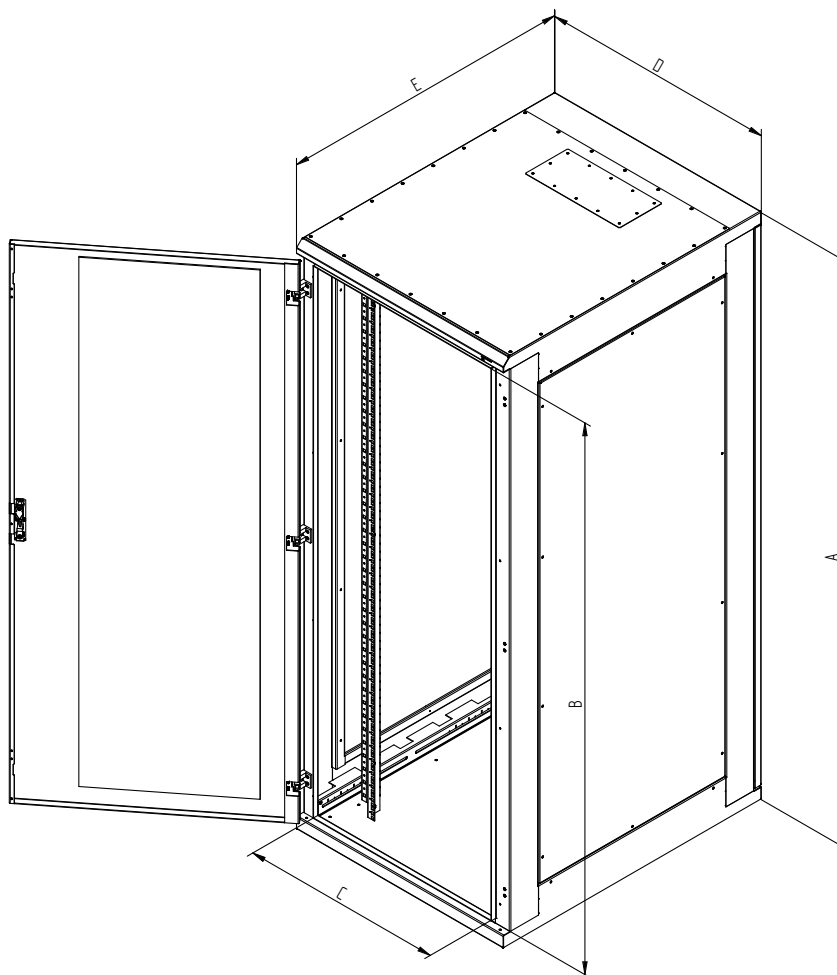
It is possible to install the roof A/C unit model ETE on the RDE data cabinet to manage the temperature inside of the cabinet. For such installation a special adapter is required. Adapter must correspond with an A/C unit type and also with requested air flow direction (along side panels or front/rear). A proper A/C unit must be selected by following information about thermal heat output of installed equipment, surrounding temperature with respect to humidity inside of the data cabinet. Our specialists are at your disposal. When A/C unit is installed the IP protection rating lower down to IP20.



RAX-PB-X01-X1

### CABLE ENTRIES

All cable entries must be properly sealed especially against the dust and humidity, which could in air-conditioned area start condensing and could also damage installed equipment. Furthermore it could start freezing inside of the A/C unit which can lead to its break down. A blanking panel with sealed cable grommets is part of the cabinet supply.



RDE								
TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RDE-42-A68-XCX-A1	1970	1868	487	600	800	127,0	118,7	1500
RDE-45-A68-XCX-A1	2105	2003	487	600	800	132,8	124,4	
RDE-42-A61-XCX-A1	1970	1868	487	600	1000	144,7	133,9	
RDE-45-A61-XCX-A1	2105	2003	487	600	1000	151,1	140,3	
RDE-42-A62-XCX-A1	1970	1868	487	600	1200	160,5	147,2	
RDE-45-A62-XCX-A1	2105	2003	487	600	1200	164,9	154,1	
RDE-42-A88-XCX-A1	1970	1868	687	800	800	157,0	147,4	1500
RDE-45-A88-XCX-A1	2105	2003	687	800	800	163,7	154,0	
RDE-42-A81-XCX-A1	1970	1868	687	800	1000	177,8	164,4	
RDE-45-A81-XCX-A1	2105	2003	687	800	1000	184,9	171,4	
RDE-42-A82-XCX-A1	1970	1868	687	800	1200	195,2	179,2	
RDE-45-A82-XCX-A1	2105	2003	687	800	1200	201,4	185,2	





## SERVER CABINET RDE

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP54 protection
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Welded steel frame with removable side panels fixed by screws
  - Single or double doors sealed by foam gasket in all metal versions or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet. To achieve needed protection the doors with 3-point locking system are standard for this model.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings placed in the top and bottom part of the cabinet are secured by dismountable blanking panels.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Industrial, office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.



RIE



000001100100011

10101111

**RIE** >

Welded cabinet with removable covers, prepared for the installation of independent air-conditioning units, IP54, capacity 400 kg



**■ CABLE INPUTS**

Wiring inputs in the upper and lower parts are 300 x 100 mm in size and are sealed by blanks. Included with the cabinet is one multiple wire bushing with high protection coverage.



**■ MULTIPOINT LOCKING SYSTEM**

Lock with a sliding locking system ensures a perfect door seal with the cabinet frame. The system is compatible with handles and locks of all major manufacturers including electronic and coded.



**■ ADJUSTABLE VERTICAL RAILS**

For cabinets deeper than 800 mm, the two pairs of fully adjustable 19" vertical rails are supplemented with a third pair of middle rails.



**■ SEALING, EARTHING**

We use a 3D robotic workstation for the glass gluing and foam sealing. All removable parts of the cabinet are connected. There is M8 central earthing point on the back wall. Marks for setting the vertical rails on sliding rails simplify the installation.



**■ CEILING BLANKS**

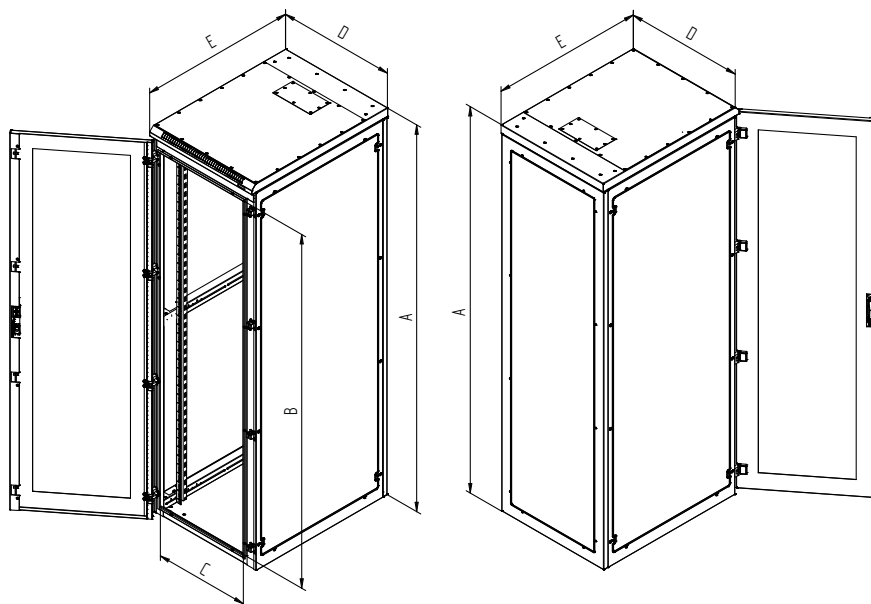
Large ceiling breakout panels allow the installation of air-conditioning units with the airflow directed exactly as required. Installation of air-conditioning lowers the IP protection of the entire system to IP20. For more information see the section Active Cooling.



**■ CABINET IP54**

RIE series cabinets with increased protection are intended to protect the equipment particularly from harmful effects of water and dust. Ceiling perforations do not reduce the impermeability of the cabinet. The side covers are bolted to the frame and the same as the door, have a foam seal. The covers have holes which allow the cabinets to be joined together.





**RIE 600 x 600**

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RIE-27-A66-CCX-A1	1300	1130	487	600	600	73,4	68,0	400
RIE-32-A66-CCX-A1	1525	1355	487	600	600	81,2	75,8	
RIE-37-A66-CCX-A1	1750	1580	487	600	600	89,4	83,8	
RIE-42-A66-CCX-A1	1970	1800	487	600	600	101,4	95,8	

**RIE 600 x 800**

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RIE-27-A68-CCX-A1	1300	1130	487	600	800	84,6	78,9	400
RIE-32-A68-CCX-A1	1525	1355	487	600	800	93,2	87,5	
RIE-37-A68-CCX-A1	1750	1580	487	600	800	96,3	90,4	
RIE-42-A68-CCX-A1	1970	1800	487	600	800	110,6	104,7	

**RIE 600 x 1000**

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RIE-27-A61-CCX-A1	1300	1130	487	600	1000	97,5	91,5	400
RIE-32-A61-CCX-A1	1525	1355	487	600	1000	107,1	101,1	
RIE-37-A61-CCX-A1	1750	1580	487	600	1000	117,1	110,9	
RIE-42-A61-CCX-A1	1970	1800	487	600	1000	126,7	120,5	

**RIE 800 x 800**

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RIE-27-A88-CCX-A1	1300	1130	687	800	800	101,5	94,9	400
RIE-32-A88-CCX-A1	1525	1355	687	800	800	110,9	104,3	
RIE-37-A88-CCX-A1	1750	1580	687	800	800	120,7	113,9	
RIE-42-A88-CCX-A1	1970	1800	687	800	800	130,2	123,2	

**RIE 800 x 1000**

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RIE-27-A81-CCX-A1	1300	1130	687	800	1000	116,2	108,8	400
RIE-32-A81-CCX-A1	1525	1355	687	800	1000	126,7	119,3	
RIE-37-A81-CCX-A1	1750	1580	687	800	1000	137,6	129,9	
RIE-42-A81-CCX-A1	1970	1800	687	800	1000	148,2	140,4	





## RIE FREE-STANDING CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP54 protection
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Welded steel frame with removable side panels fixed by screws
  - Single or double doors sealed by foam gasket in all metal versions or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet. To achieve needed protection the doors with 3-point locking system are standard for this model.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings placed in the top and bottom part of the cabinet are secured by dismountable blanking panels.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Industrial, office.
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion).
- Must be protected against:
  - Mechanical damage.
  - Improper handling.
  - A different usage than the cabinet is intended for.
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load).
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet.

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.





RPE, RPA

## RPE, RPA >

Cabinet for industrial applications – removable sections, suitable for computer installations, RPA - IP20, RPE - IP54, capacity 400 kg



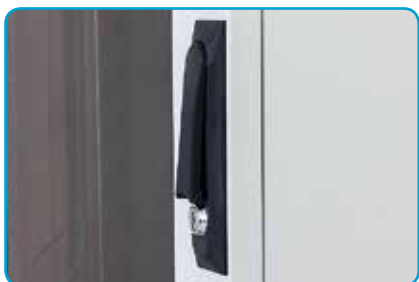
### ■ PROTECTION AGAINST DUST AND HUMIDITY

The RPE cabinet has no perforations, all the doors and covers are equipped with a sealing that ensures protection against dust penetration and humidity.



### ■ FLEXIBLE DOOR OPENING

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



### ■ TRITON HANDLES

We manufacture our own handles for the free-standing cabinets. By changing the plastic module (not included), a traditional or semi-cylindrical lock insert can be used.  
PATENT: PUV 2013-27443



### ■ ADJUSTABLE VERTICAL RAILS

Vertical 19" rails can be adjusted freely in any depth of the cabinet. This simplifies mounting of devices and configuration of connecting cables.

### ■ WE PRODUCE THE CABINET IN TWO VERSIONS

RPE with IP54 protection suitable especially for dusty environment.  
RPA with IP20 protection has a perforation in the base and top part including cable entries and preparations for fan units.

RPE 600 x 600 mm



### ■ THREE INDEPENDENTLY LOCKABLE SECTIONS

RPA/RPE cabinet has three independently lockable sections. The upper and bottom section are locked by a Triton handle-lock; the slide-out middle section, intended for a keyboard and a mouse, has a single point lock. All sections in the standard version are operated by the same key.

## RPE, RPA

TYPE	A	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)	IP protection
	(mm)							
RPA-37-A66-CAX-A1	1750	487	600	600	75,6	68,5	400	20
RPA-37-A68-CAX-A1	1750	487	600	800	83,6	77,8	400	20
RPE-37-A66-CAX-A1	1750	487	600	600	91,8	84,7	400	54
RPE-37-A68-CAX-A1	1750	487	600	800	102,7	96,8	400	54



RPA

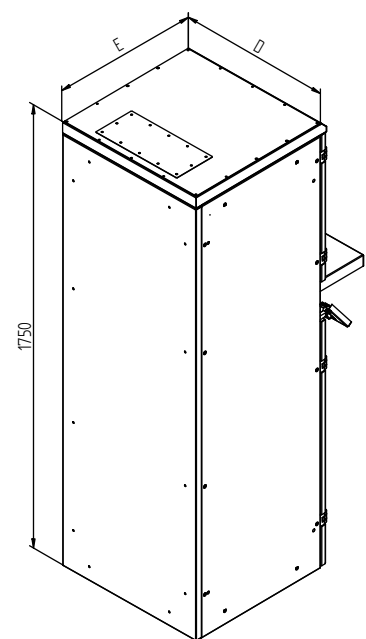
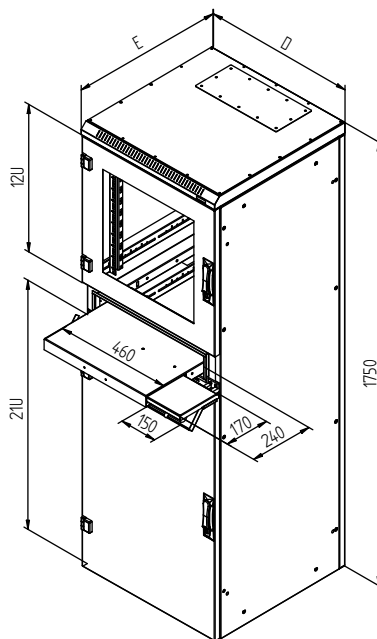
RPA



■ SLIDE-OUT SECTION FOR A KEYBOARD AND A MOUSE



■ CASTORS, LEVELLING FEET  
Prepared for mounting castors and levelling feet.







## FREE-STANDING CABINET RPE, RPA

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with protection IP54 (RPE), IP20 (RPA)
- Cabinet includes 4 sliding vertical rails for installing the device
- Cabinet construction:
  - Welded steel frame with removable side panels
  - Single doors in all metal versions or glazed with safety tempered glass 4 mm are mounted on the front of cabinet. Model RPE has doors sealed by foam gasketed and fixed by 3-point locking system.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation of data and telecommunication devices and their distribution systems and control elements of technological units
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- RPE - cable entry openings placed in the top and in the bottom part of the cabinet are secured by removable blanking panels.
- RPA - cable entry openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Industrial (RPE), office (RPA)
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- RPE – In case that cables lead through some of the cable openings, it is necessary to seal it by a blanking panel with sealed cable grommets (included with delivery).
- RPA – To avoid dust penetration in a case where cables lead through some of the cable openings, it is possible to seal it using a blanking panel with a brush or secure by plastic frame (included with delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.





ROA

**ROA** >

Cabinet with internal rotating frame, octagonal floor plan,  
IP20, capacity 250 kg



#### ■ CABLE ENTRIES

Cable entries are ready at the sides of top and bottom part of the cabinet. Protection of cables in their inputs to the central area ensures solid wire basket.



#### ■ FLEXIBLE DOOR OPENING

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



#### ■ TRITON HANDLES

We manufacture our own handles for the free-standing cabinets. By changing the plastic module (not included), a traditional or semi-cylindrical lock insert can be used.  
PATENT: PUV 2013-27443



#### ■ ADJUSTABLE VERTICAL RAILS

At both sides of the frame are two 19" fixing rails which can be adjusted 40mm back and forth. Maximum installation depth of 19" equipment is 550 mm for cabinets of 800 x 800 mm, and 650 mm for cabinets of 900 x 900 mm.



#### ■ REMOVABLE SIDE PANELS AND REAR COVER

Lockable, removable side and rear covers allow convenient access to the equipment inside. Panel locks use the same keys as the door.

**ROA 800 x 800**

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
ROA-27-A88-CAX-A1	1628	1373	580	800	800	153,8	143,3	250
ROA-32-A88-CAX-A1	1850	1595	580	800	800	164,6	154,1	
ROA-37-A88-CAX-A1	2072	1817	580	800	800	175,5	164,9	
ROA-42-A88-CAX-A1	2294	2039	580	800	800	186,2	175,5	

**ROA 900 x 900**

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
ROA-27-A99-CAX-A1	1628	1373	680	900	900	213,1	202,7	250
ROA-32-A99-CAX-A1	1850	1595	680	900	900	225,1	214,5	
ROA-37-A99-CAX-A1	2072	1817	680	900	900	238,5	227,7	
ROA-42-A99-CAX-A1	2294	2039	680	900	900	250,6	239,7	

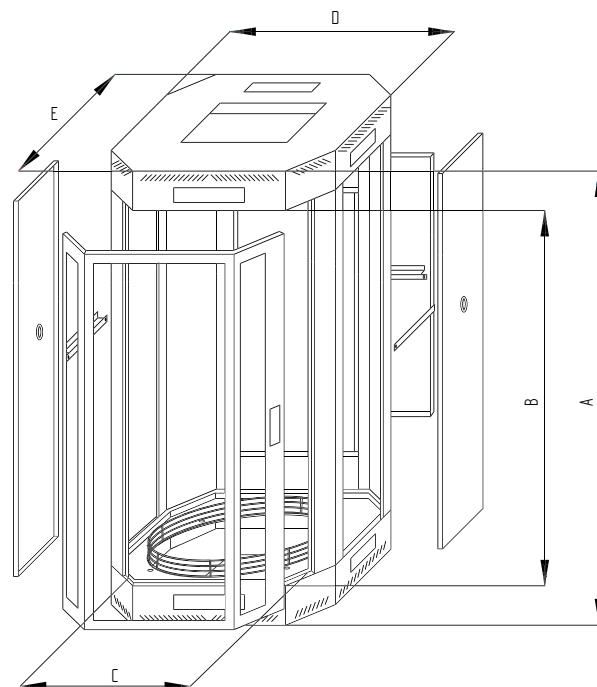
**TWO MAIN CONSTRUCTION INNOVATIONS**

1. Rotating 19" rack frame provides convenient access to all installed components
2. Interesting styling of an octagonal shape.

The rotating 19" frame is a unique patented solution which allows mounting of common components in the 19" frame and passing all cables through the top or bottom of the frame.

A large opening in the cabinet base allows bundle of cables to pass through the centre of the frame.

It is provided by the design that the frame is possible to rotate to both sides for 180° only. Then, the access to all sides of the frame is guaranteed and the cables are protected from a damage.

**BENEFITS**

1. Even when the cabinet is close at the wall or between other cabinets, the full access to the components is still possible.
2. Active components can be accessed easily with no need to remove them from the cabinet or even disconnect them.
3. Even heavy components can be accessed without affecting the stability of the cabinet. The Octagon frame has the storage capacity of a typical 600 mm square cabinet. Octagon can stand fully separately with no need to fix it to a wall or floor even with full load. The Octagon is based on an 800 mm x 800 mm and 900 x 900 mm cabinet with the corners removed.

The attractive look is highlighted by a door with three sections of glass that is a part of the standard supply. This type of door offers a really good view on the installed equipment, which allows this cabinet to be used for show purposes.

**OTHER FEATURES**

- Lockable three side front door with a glass panel. Glass may be replaced with solid or perforated steel as required.
- Openings for fan units are provided in the top and bottom of cabinet.
- A brush strip in cable entry openings prevent dust penetration into the cabinet.
- The base involves nivelation feet with adjustable height for floor roughness compensation.
- Perforation in the top and the bottom sections ensures natural convective ventilation.







## ROA FREE-STANDING CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection
- Cabinet construction:
  - Welded steel frame with removable side panels
  - Door glass: safety hardened, thickness 4 mm
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- There is a rotating 19" frame inside of the cabinet, which serves for installation of components and two position adjustable vertical rails. The frame can be rotated up to 180° in both directions.
- The frame of the cabinet and all the removable parts (side and rear covers, doors...) are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- It is possible to lead the cabling only through the top and the bottom opening in the rotation frame. It is not recommended to lead the cabling any other way!
- The cables entering the rotation frame must be tied up into a bundle of 14 mm minimal diameter. This ensures protection against damages caused by the rotation frame. Cables with a smaller diameter must be protected with a moveable cover with minimal diameter of 14 mm.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

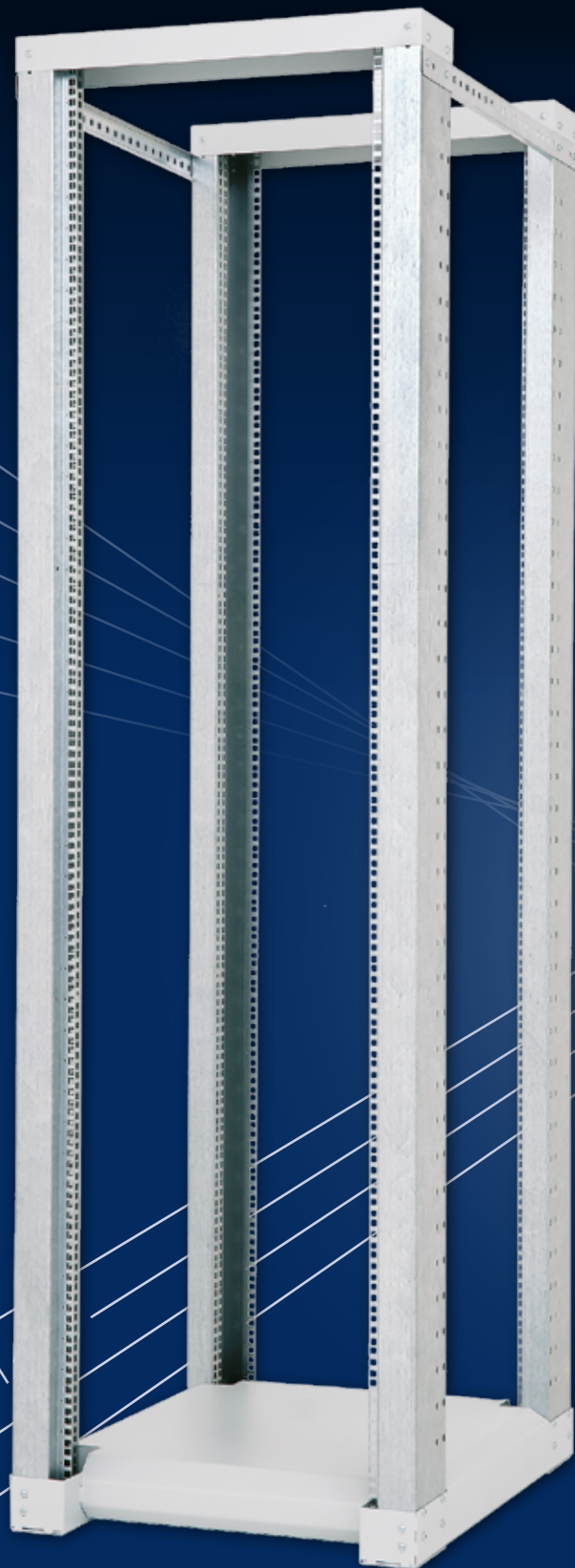
- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.
- EUROPEAN PATENT 0346006.8-2207/1345301

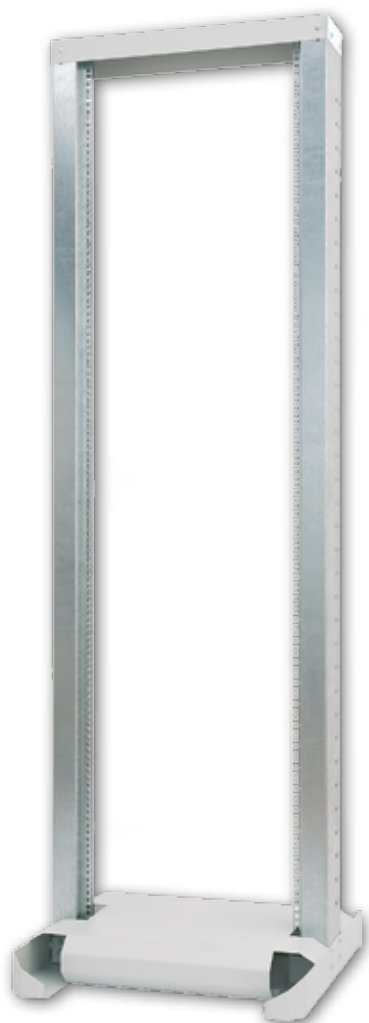


RSX

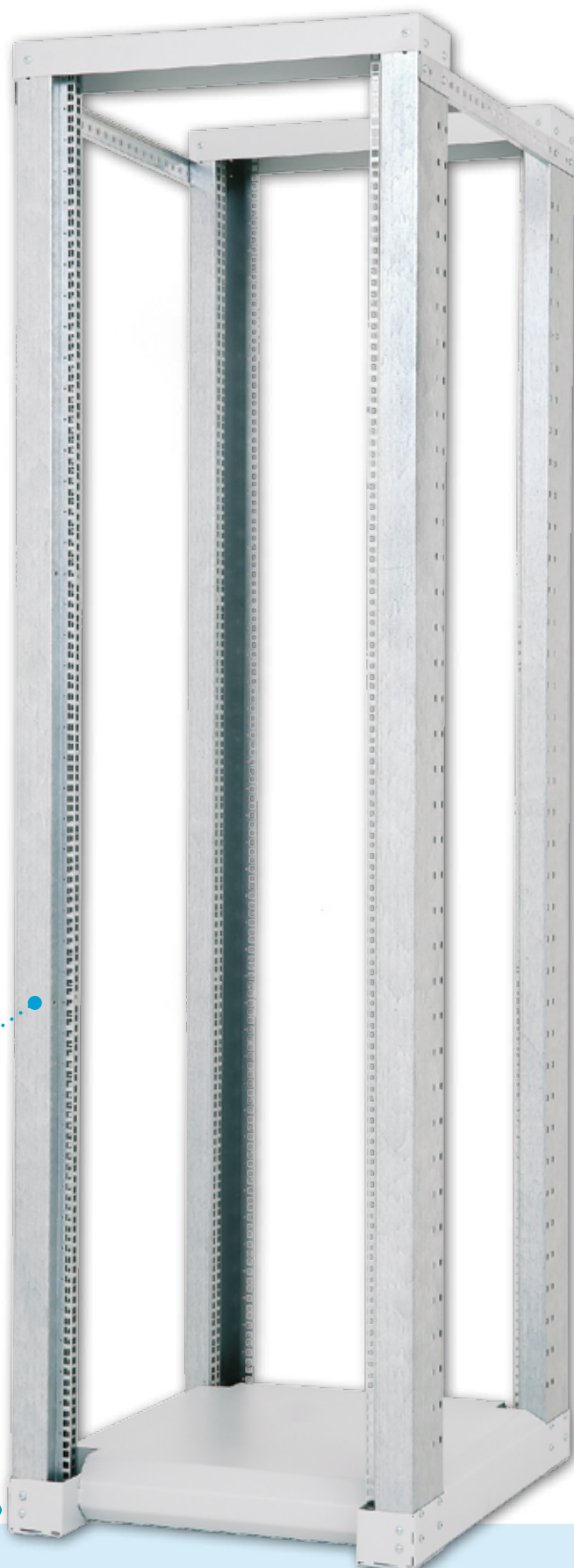


**RSX** >

19" open frames suitable for the installation of equipment  
in protected environments, capacity 150 and 400 kg



Single section frame



Double section frame

### ■ SINGLE SECTION FRAMES

We recommend the single section open frames for simple installations without heavy components.



### ■ RIGID CONSTRUCTION

Vertical profile rails provide a high maximum loading capacity and a rigidity of an open frame.



### ■ CASTORS, NIVELATION FEET

Preparation for mounting of castors and nivelation feet.

### ■ DOUBLE SECTION FRAMES

The double section 19" open frame is more suitable for installation of heavier and larger devices. During the development, we have focused on construction simplicity, easy installation and maintenance.

### SINGLE SECTION 600 x 600

TYPE	A	B	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)						
RSX-27-XS6-CXX-A3	1365		616	600	34,3	27,5	150
RSX-32-XS6-CXX-A3	1587		616	600	36,4	29,6	
RSX-37-XS6-CXX-A3	1809		616	600	38,4	31,7	
RSX-42-XS6-CXX-A3	2031		616	600	40,5	33,7	
RSX-45-XS6-CXX-A3	2165		616	600	41,7	35,0	

### DOUBLE SECTION 600 x 600

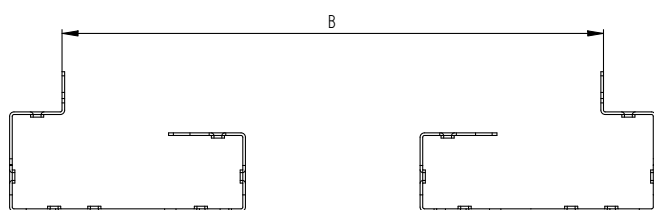
TYPE	A	B	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)						
RSX-27-XD6-CXX-A3	1365	536	616	600	51,4	43,4	400
RSX-32-XD6-CXX-A3	1587	536	616	600	55,5	47,5	
RSX-37-XD6-CXX-A3	1809	536	616	600	59,7	51,6	
RSX-42-XD6-CXX-A3	2031	536	616	600	63,8	55,7	
RSX-45-XD6-CXX-A3	2165	536	616	600	66,3	58,2	

### DOUBLE SECTION 600 x 700

TYPE	A	B	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)						
RSX-27-XD7-CXX-A3	1365	636	616	700	53,2	45,1	400
RSX-32-XD7-CXX-A3	1587	636	616	700	57,3	49,3	
RSX-37-XD7-CXX-A3	1809	636	616	700	61,4	53,4	
RSX-42-XD7-CXX-A3	2031	636	616	700	65,5	57,5	
RSX-45-XD7-CXX-A3	2165	636	616	700	68,0	60,0	

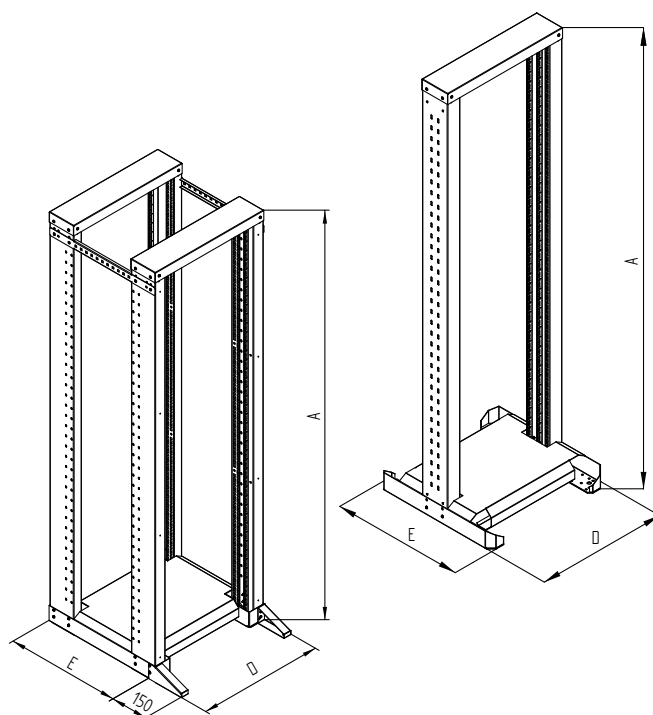
### DOUBLE SECTION 600 x 800

TYPE	A	B	D	E	Weight gross (kg)	Weight net (kg)	maximum recommended load (kg)
	(mm)						
RSX-27-XD8-CXX-A3	1365	736	616	800	54,9	46,9	400
RSX-32-XD8-CXX-A3	1587	736	616	800	59,0	51,0	
RSX-37-XD8-CXX-A3	1809	736	616	800	63,2	55,1	
RSX-42-XD8-CXX-A3	2031	736	616	800	67,3	59,2	
RSX-45-XD8-CXX-A3	2165	736	616	800	69,8	61,7	



#### ■ STABILIZATION SET

It is mounted additionally on the base of the double section frame and increases stability of the whole set in case of installation of slide-out devices, e.g. servers.







## RSX 19" OPEN FRAMES

### ■ DESCRIPTION, PURPOSE OF USE

- 19" open frames are used for installations of devices in predetermined rooms.
- Frames are produced single sectioned and double sectioned.
- For better stability it is advisable to use a double section frame.
- Frame construction:
  - Ready to assemble
  - Steel parts joined by screws
  - 19" profile frame is suitable for placing directly on the floor using levelling feet or castors (castors are not included)
- Min. thickness of the surface finish is 65 µm.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The frame is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings))
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ MOUNTING OF THE FRAME

- To ensure the maximum recommended load, it is necessary to distribute the load equally. It is necessary to prevent one-side or one-point loading of the frame.
- Place the frame on a flat floor and compensate an eventual small roughness with nivelation feet.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.





**Data Centers**





## DATA CENTERS - OVERVIEW

### Introduction

to the data centres

73

### Cooling

Principles and systems of data centers cooling

75

### Power distribution

Power distribution units with management and environment monitoring

76

### RDA - for data centers

Cabinet with a high loading capacity for data centers

77

### Accessories

Directing of the cooling air, cable management ...

81

### Hot/cold aisle

Modular system for the construction of hot/cold aisle

87

### Raised floors

Raised floors systems for data centers

88

### References

Some of our already installed datacentres

92





Data centers

# Introduction >

Modern methods of centralising servers and other active elements necessitated changes in the way these devices are cooled and protected. The solution is the data centre.





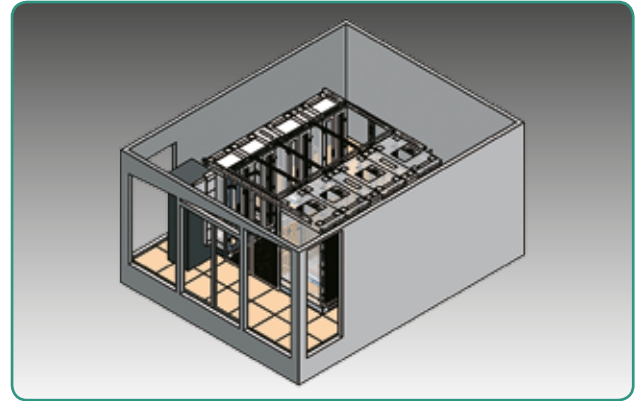
## WHAT IS A DATA CENTRE

Modern data centres are significantly different from early versions of this method of installing servers and other equipment. Original data centres were founded on the backbone of Internet connections from the 1990s. Large data halls were built primarily as a space perfectly protected in terms of security, uninterrupted power supply and with adequate capacity of communication lines, mostly optical. The individual cabinets were then leased to users for their technical and Internet applications. These centres almost always had raised floors with high loading, beneath which were located all cabling and cooling systems. Cooling was mostly centralised so the entire room was air conditioned regardless of the distribution of the thermal load and without the ability to effectively regulate cooling for each cabinet or the data hall.

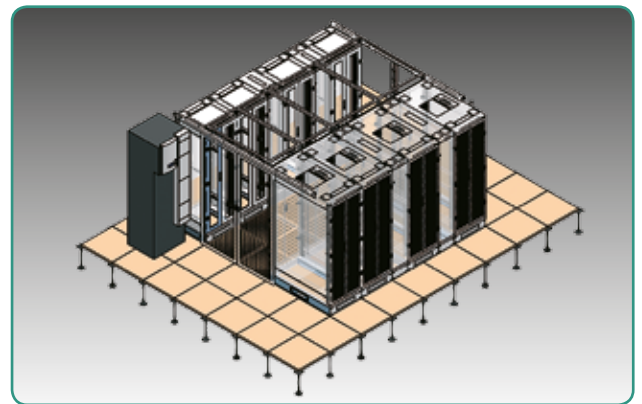
With the development of telecommunications, with new protocols and an increase in the transmission line capacity high-speed connections have become available without the need to place the device directly onto the backbone connections. As well, another revolution took place on another front - processing power and storage capacity. Processor performance grew dramatically, multi-core processors began to appear along with new operating systems. Hard drives and other storage media multiplied in their capacity.

Server operating systems began to use available resources for sharing multiple, simultaneously running applications and it was then only a small step to sharing one physical computer for running multiple operating systems simultaneously - to virtualisation. The majority of companies now run their applications either on their own servers dedicated to specific applications or using the services of the ever popular virtualisation and cloud-hosting. Both of these methods require a high density of installed computing power. Because running businesses and institutions is a critical application, it requires power-fail safety, physical protection and also controlled cooling. All these aspects are covered by the concept of a data centre. Over time the standard was set for the design and construction of data centres. Cabinets are placed in groups, usually in the form of two rows spaced 1,200 mm apart (two standard raised floor tiles). The aisle between the cabinets is then roofed and closed at the ends by sliding doors. For really large data centres, dividing doors can also be found within these units, which split them down into smaller sections. The main product of our company's data centre solution is the RDA cabinet with a load capacity of 1,500 kg in a version adapted for the construction of data centres. Other necessary components such as ceiling panels of various types, including sliding doors, as alternative self-closing etc., make a complete modular system. We also offer a complete range of raised floors for installations that allow their use. Floor loading is particularly critical in the rooms of future data centre. In cases where it is not possible to use the raised floor (low room height, low permissible floor loading and so on) we can offer an alternative, in the form of In-Row cooling units with top media inlet and condensate pump. This advanced solution offers extra large installed cooling capacity in a small footprint. Combining multiple cabinets in a data centre will create the need to optimise cooling. Uncontrolled air flows are costly and inefficient.

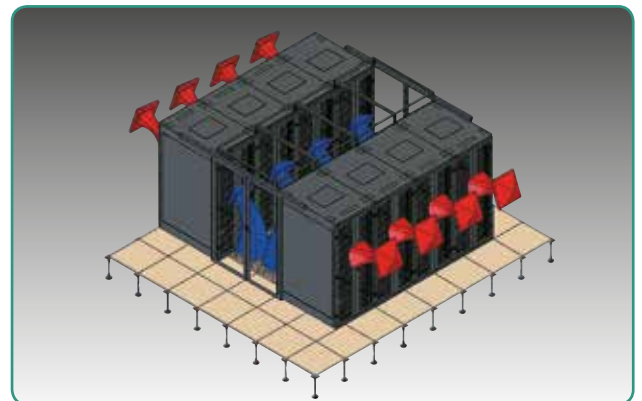
Using RDA cabinets and components designed for data centres, a complete data centre can easily and efficiently be built. The most commonly used solution in terms of cooling:



Reference data center TRITÓN



Data center with centralized air conditioning



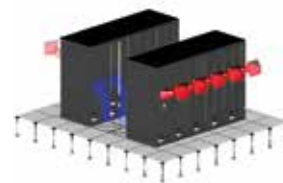
Scheme of data center cooling



# DATA CENTER COOLING PRINCIPLES

## Hot / cold aisle

Arranging cabinets into hot / cold aisles is a standard solution for data centres. Cabinets are oriented face to face, while cold air is supplied through perforated tiles in a raised double floor. Standard ANSI/TIA/EIA-942-A recommends a cold aisle width of 1.2 metres. This is generally the size of two double floor tiles. Cold air is supplied via perforated tiles at the front of the cabinets which is delivered to each of them by fans. Cold air is supplied to active elements through doors with 80 % perforation. In this case, the double floor is used to deliver cold air and it is necessary that all other openings in the floor, such as the cable entries are covered. The reason is to maintain static air pressure in the double floor and to minimise cold air loss.



## Contained cold aisle

The solution of open hot / cold aisles presents possible shortages in the recirculation of heated air and therefore the risk of creating so called hot-spots - locally overheated areas. The solution is a contained cold aisle. This is a closed modular expandable system which physically separates the cold air from the exhalation of hot air. Actually, it creates a separate area for hot and cold air and prevents them from mixing. Cool air is fed into the closed aisle through perforated tiles of the raised floors or locally using the side cooling units, which are mounted directly in line between the cabinet. Standard width of the contained cold aisle is 1.2 metres (two floor tiles) or 1.8 m (three floor tiles). At the ends, the aisle also has a glass sliding door. The use of this solution is becoming standardised and is especially recommended for its cooling capacity and efficiency in achieving the lowest energy consumption of the data centre.



## Closed modular solution

A closed modular solution enables maximum energy efficiency and scalability of focus for long-term development of a data centre. This solution can be designed and manufactured tailored to customer needs. In one room there can be zones not only with different operating temperatures, but also with different density of the thermal load. The solution is characterised by a high-IP cabinet. This also protects the installed components from dust and moisture.

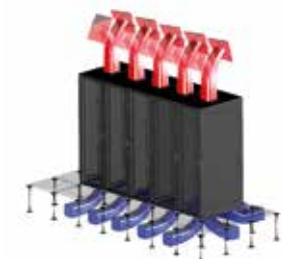
Side cooling units are attached directly with the racks to make a closed module with an internal cold zone at the front part of the cabinet and hot zone at the rear of the cabinet. This solution allows you to combine any number of racks and cooling units in the module. Our specialists will prepare a proposal for the project to ensure the space capacity required for installation of the equipment and the corresponding power conditioning, including any needed redundancy.



## Floor feed

This method increases the efficiency of the cold air through the delivery from double floor to the installed equipment. The cabinet is installed on the opening in the double floor. A deflector, located at the bottom of the cabinet, directs cool air to its front section. Cold air in this case is further directed in the front section of the cabinet by the door without perforations, these may be of glass or metal. The hot air is extracted from the rack either by doors with 80 % perforation or the cabinet ceiling.

By installing a cool air supply regulator to the bottom of the cabinet the amount of air may be adjusted, or delivery can be completely discontinued when the cabinet is not in use. The advantage of this cooling method is great flexibility in planning of the room usage. Cabinets installed in hot and cold aisle is not required if the hot and cold air is separated inside the cabinet. To achieve this it is necessary to install a separating frame inside the cabinets for a strict separation of cold and hot air.

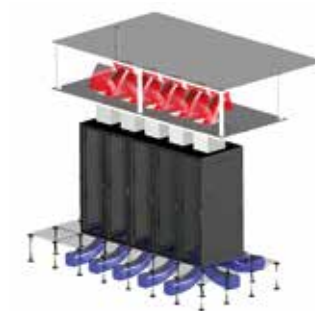


## Floor feed with plenum return

A possible disadvantage of cold aisle and cooling supply from the floor and return to the room is that the hot air is brought into the surroundings of the installed equipment. This does not cause a complication when it is already considered in the data centre design stage. In certain cases a possible solution is to completely separate the warm air in areas with high thermal loads due to the concentration of the installed equipment.

The solution is to supply cooling air from the room or raised floors and return it to the ceiling. This is the solution when the hot air does not return into the hall, but is fed to the ceiling or double ceiling. A rear deflector located in the upper part of the cabinet helps to optimise the flow of hot air into the outlet extension. A large adapter allows the passage of large quantities of air at a relatively low speed.

A cold air intake is on the front door of the cabinet, and hot air is discharged through the outlet extensions to the ceiling / double ceiling above the devices. Air conditioning units take the hot air from the ceiling, cool it and deliver it back under the raised floor. The air cooling circuit is closed. This solution provides high efficiency cooling for very large volumes of hot air. Research indicates that this solution can be used to cool up to 30 kW per cabinet.



**Our specialists will be glad to help you to choose the optimum solution for your needs.**

Selecting the right type of cabinet and accessories, you can save significant money spent on the operation of your equipment.



### ■ DATA CENTRE DESIGN

This critical stage of the data centre building has an indefinite solution. It depends on the cabinet arrangement, distribution of heat load and its size, the choice of thermal scheme (hot / cold aisle, zonal distribution of cold etc.) and many other aspects.

When selecting the most suitable arrangement it is necessary to take into account the type of cooling system (under-floor cooling, In-Row cooling units ...) and with regard to the coolant used, also selecting the outer part of the system.

Choice of the cooling medium must be done with respect to outdoor climatic conditions, the distance of the data centre from the external units and the elevation between them. Depending on conditions, we can choose water cooling with appropriate addition of antifreeze, or system operating with liquid refrigerant gas. With regard to safety and redundancy required for service operations it is necessary to design the complete system properly, meaning inside the data centre and on the side of radiators or condensers.

Furthermore, it is necessary to think about the requirements of humidity control. Humidity less than 30 % carries a risk of damage to the installed equipment by static electricity surge; high humidity can lead to condensation.

In our portfolio you will find the cooling systems of leading manufacturers active in this highly specialized field of data centres and telecommunication equipment cooling for many years. Thanks to the close cooperation and support of their development teams, we can offer proven and guaranteed solutions.

Designing functional, reliable, financially and operationally economical cooling systems for the data centre is not an easy matter and specialists, who will recommend the optimum solution in terms of investment and operating costs, are fully available.



### ■ POWER DISTRIBUTION UNITS

Equipment installed in data centres often has very high power consumption. Along with the need for a power supply, it also brings the question of the need for metering and remote device control. Therefore you will find power distribution panels in our range, which not only allow you to switch each device on or off, but also provide information on the temperature and humidity in the cabinet, check the correct functioning of the condensate drain of the cooling unit, signal an alarm when the cabinet door is open and other conditions that you define. Any changes can then be reported using the integrated software through a computer network and allow you to oversee the data centre without the physical presence of the operator. Distribution panels with management systems exist in many different models. Whether in terms of dimensions, where we offer solutions from the standard 19" panels to large vertical panels designed to house distribution systems, or in terms of different inputs (16A-64A, single-phase / three-phase). It is possible to choose from many product lines according to the required panel functionality (measurement of panel as whole unit or measurement of individual outlets, the control panel as a whole or individual outlet switching, additional monitoring functions temperature/ humidity / door contact / water flood sensor).

**When choosing the most appropriate solution we will be happy to advise you.**



RDA

## **RDA** for data center

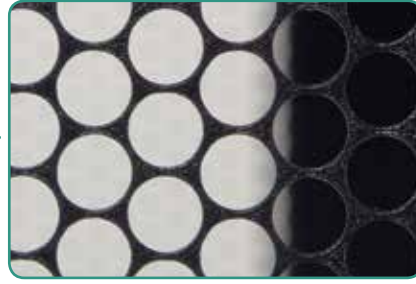
Datacenter version of RDA cabinets combines high loading capacity with the requirements specific to this type of installation. Cabinets are ready for assembly into larger units and to install roofing to made hot / cold aisles.





### ■ READY FOR ROOF INSTALATION

For mounting the hot or cold aisle roof has datacenter version of RDA modified front side without skew typical for Triton cabinets. Models designed for data centers are labeled A3 and A7. Model A7 also has cable entries in the frame for patching cables between racks secured by blanking panels on screws.



### ■ 80 % DOOR PERFORATION

RDA is a cabinet designed for mounting servers and other active elements that requires good cooling. Therefore, it is most often supplied with a perforated front door. The rear doors are usually also perforated and double wing. Their withdrawal from its hinges obtain comfortable access for installation and maintenance of installed equipment. PATENT: PUV 2012-26481.



### ■ CABLE ENTRIES AT THE VERTICALS IN THE ROOF

The additional cable entry to the installed equipment is available over each of the outer vertical. Openings are covered with panels on screws.

RDA 800 x 1000 mm



### ■ HOOK-ON HINGES

Our standard door hinges can be replaced by its new put-in alternative. Door can be taken off, which allow an easy installation and configuration of all installed equipment. These hinges are fully compatible with previous versions. Please refer to section „Accessories“.



### ■ MULTIPOINT LOCKS

Multi-point lock mechanisms Triton together with side panels fixed by screws increase safety of installed equipment.



### ■ LOADING CAPACITY 1500 kg

The RDA data cabinet has a reinforced construction and it is made of thicker material. Also 19" vertical rails are designed for a higher loading capacity. A version with depth over 800 mm has a central pair of vertical rails as a standard solution.

### ■ JOINING OF CABINETS

RDA cabinet is equipped with mounting holes for easy joining. Can be combined with standard rack Triton (RMA, RZA).



### ■ POWER DISTRIBUTION UNIT INSIDE OF CABINET FRAME

19" power distribution units Triton can be mounted using the supplied brackets into the space inside the frame, so does not occupy valuable space for equipment.



### ■ COOLING AIR INTAKE

In the bottom of the cabinet is large opening for cable entry and the cooling air from beneath the raised floor. These models RDA (A3 and A7) are built directly on the floor without nivelation feet.

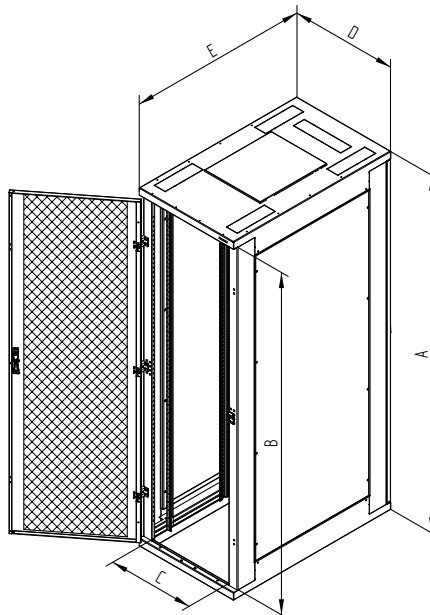


### ■ 19" VERTICAL RAILS

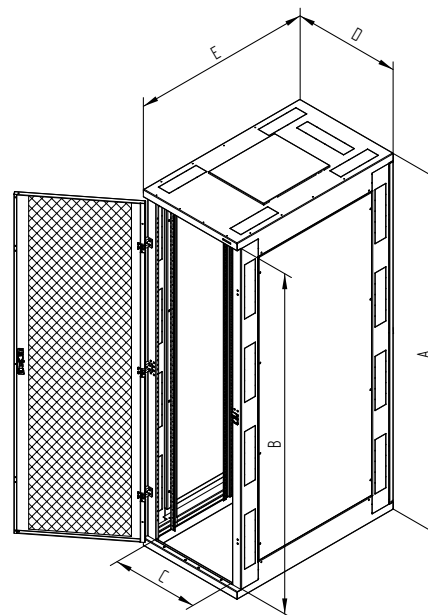
19" vertical rails designed for equipment installation are freely adjustable in whole depth of cabinet. A cabinets deeper than 800 mm has a additional central pair of vertical rails as a standard solution.



RDA 600 x 1000 mm



RDA-42-X61-CAX-A3-GDA



RDA-42-X61-CAX-A7-GDA

## RDA FOR DATA CENTRES

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RDA-42-L68-CAX-Ax-GDA	1970	1868	487	600	800	116,3	110,2	1500
RDA-45-L68-CAX-Ax-GDA	2105	2003	487	600	800	122,4	116,3	
RDA-47-L68-CAX-Ax-GDA	2194	2092	487	600	800	125,8	119,6	
RDA-42-L61-CAX-Ax-GDA	1970	1868	487	600	1000	131,3	124,8	
RDA-45-L61-CAX-Ax-GDA	2105	2003	487	600	1000	138,1	131,6	
RDA-47-L61-CAX-Ax-GDA	2194	2092	487	600	1000	141,9	135,4	
RDA-42-L60-CAX-Ax-GDA	1970	1868	487	600	1100	137,9	130,6	
RDA-45-L60-CAX-Ax-GDA	2105	2003	487	600	1100	144,9	137,6	
RDA-47-L60-CAX-Ax-GDA	2194	2092	487	600	1100	149,1	141,5	
RDA-42-L62-CAX-Ax-GDA	1970	1868	487	600	1200	144,0	136,4	
RDA-45-L62-CAX-Ax-GDA	2105	2003	487	600	1200	151,2	143,6	
RDA-47-L62-CAX-Ax-GDA	2194	2092	487	600	1200	155,3	147,6	
RDA-42-L88-CAX-Ax-GDA	1970	1868	687	800	800	131,5	124,4	
RDA-45-L88-CAX-Ax-GDA	2105	2003	687	800	800	137,8	130,6	
RDA-47-L88-CAX-Ax-GDA	2194	2092	687	800	800	141,3	134,1	
RDA-42-L81-CAX-Ax-GDA	1970	1868	687	800	1000	147,8	139,8	
RDA-45-L81-CAX-Ax-GDA	2105	2003	687	800	1000	154,8	146,7	
RDA-47-L81-CAX-Ax-GDA	2194	2092	687	800	1000	158,7	150,6	
RDA-42-L80-CAX-Ax-GDA	1970	1868	687	800	1100	153,8	146,1	
RDA-45-L80-CAX-Ax-GDA	2105	2003	687	800	1100	161,0	153,3	
RDA-47-L80-CAX-Ax-GDA	2194	2092	687	800	1100	165,2	157,3	
RDA-42-L82-CAX-Ax-GDA	1970	1868	687	800	1200	160,0	152,3	
RDA-45-L82-CAX-Ax-GDA	2105	2003	687	800	1200	167,4	159,5	
RDA-47-L82-CAX-Ax-GDA	2194	2092	687	800	1200	171,7	163,7	



## RDA - Datacenter models A3 and A7

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection
- Cabinet includes 4 sliding vertical rails for device mounting (6 rails for cabinets deeper than 800 mm).
- Cabinet construction:
  - Welded steel frame with removable side panels fixed by screws
  - Single or double doors in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm. They can be on the front or back of the cabinet.
  - Preparation for installation of 19" power distribution units to the frame
  - Preparation for joining the cabinets together
  - Preparation for hot / cold aisle roof and sliding door installation
- The maximum recommended load of cabinet is 1500 kg, maximum load of the door is 20 kg.
- Finishing of polyester powder coating, min. coating thickness of 65 µm.
- The racks are designed for installation of data and telecommunication equipment and distribution systems.
- Frame of the cabinet and all detachable parts are connected by grounding cables that must be properly fitted and inserted into the connectors when using the cabinet.
- At the bottom of the rack is positioned a screw M8 as major earthing point.
- Cable entries covered by blanking panels secured by screws are located in the upper cabinet part. There are also cable entries (with breakout panels) in the cabinet frame of the model A7.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- The cabinet must be placed straight on the flat floor without nivelation feets.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

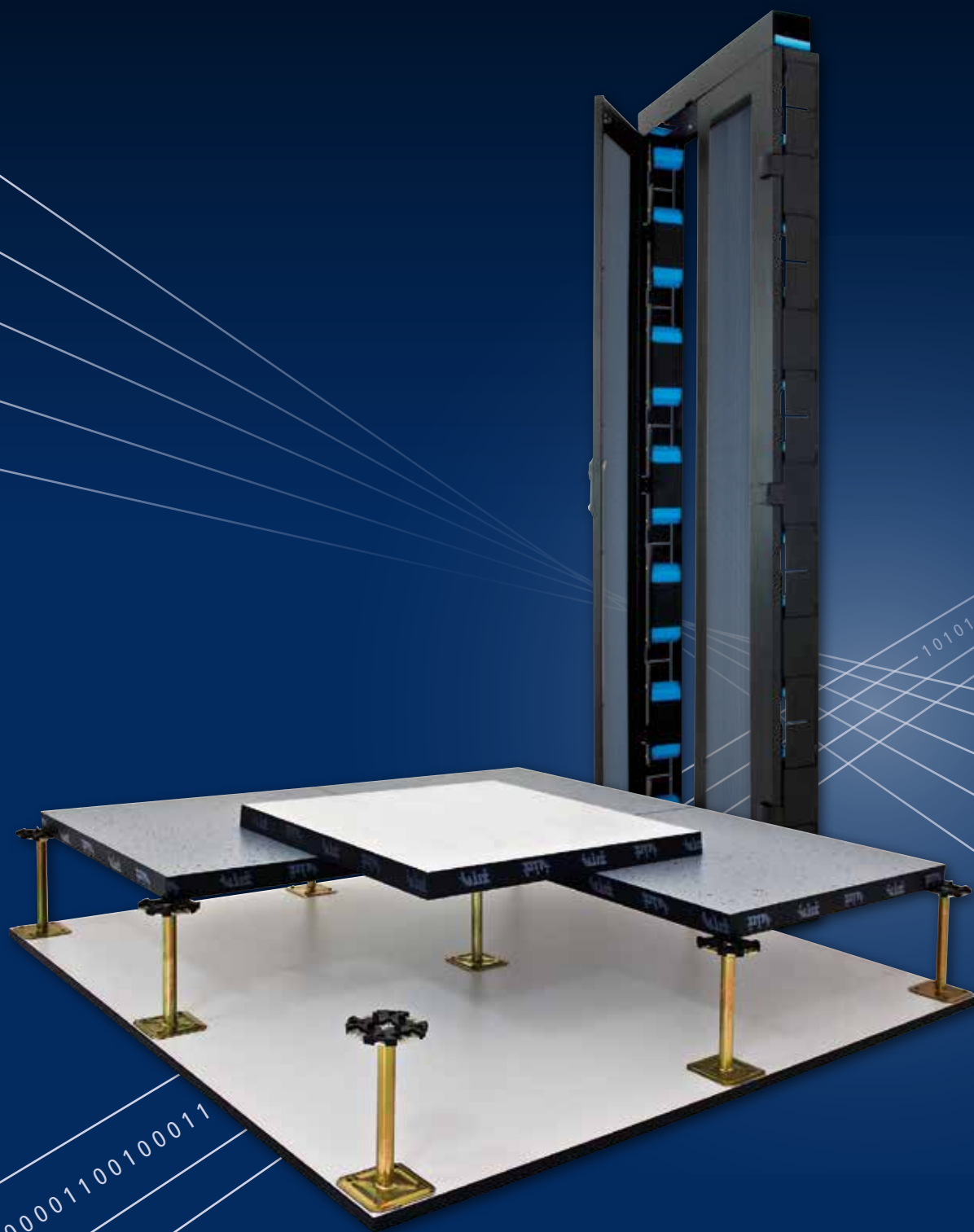
### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.033.157, date 23/08/2012 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).





## Data center - accessories >

Specifics of data center requires unique equipment that ensures maximum efficiency in installation, ease of operation and particular control of equipment cooling.





## PATCH FRAME

How to connect devices in two adjacent cabinets? The usual method, the cable pulling through entry holes in the roof or in the base of each rack, is laborious, time-consuming and capacity of these passages is often insufficient. Triton has developed for their cabinets unique patented solutions - the patch frame. After installing on the adjacent cabinet it replace the doors and greatly increases the capacity and convenience for cable patching between cabinets.



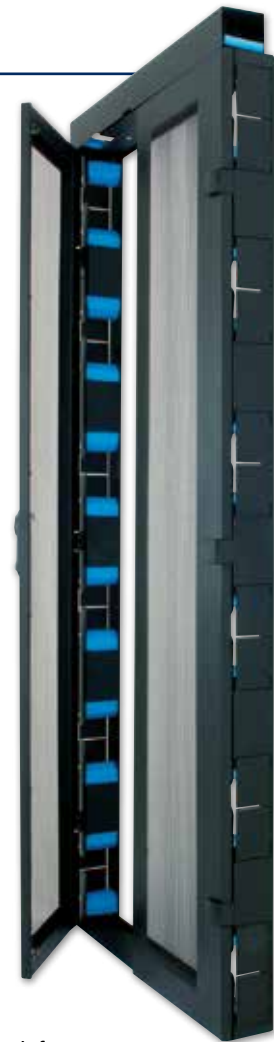
### CABLE TRAY

Need to connect equipment in cabinets, that are not directly adjacent? Nor is this a problem with patch frame. Just install on top of the cable tray and you can easily bypass several cabinets exactly as needed. After closing the covers and doors and lock all of them the cables are protected from unauthorized access.



### LARGE CAPACITY

We supply patch frames for the selected cabinets heights in two versions. 75 mm deep version offers cable entries with dimensions 109 x 40 mm, 150 mm version then even 109 x 80 mm. The most common patch frame for 42U high cabinet has on each side 6 of these cable entries.



Patch frame  
PATENT: PUV 2012-26482.

### EASY ADMINISTRATION

The cabinet is supplied as standard with double wingdoors of all types - glazed, fully metal and perforated. After after removing the door from its hinges, the re-cabling between cabinets almost becomes fun, only inserting cables into the prepared openings without pulling.

Cable tray	Width (mm)	Depth (mm)
RAX-RA-X06-X1	600	75
RAX-RA-X06-Y1	600	115
RAX-RA-X08-X1	800	75
RAX-RA-X08-Y1	800	115

### SOLUTION FOR CABINETS ON DUTY

Patch frame can be installed on cabinet already crowded by equipment on the front and back of the cabinet, and thus greatly simplify their administration.



### CABLE ENTRIES

Cable entries are covered with break-out plugs. At the point where you need to pull cables, plugs can be easily removed and frame construction guarantee the protection of cables, including compliance with the bending radius of optical cables.

Patch frame	Height (U)	Width (mm)	Depth (mm)	Double wing door
RAX-RA-426-X1	42	600	75	Glazed
RAX-RA-426-X2	42	600	75	Fully metal
RAX-RA-426-X3	42	600	75	Perforated (air permeability 80 %)
RAX-RA-426-Y1	42	600	115	Glazed
RAX-RA-426-Y2	42	600	115	Fully metal
RAX-RA-426-Y3	42	600	115	Perforated (air permeability 80 %)
RAX-RA-428-X1	42	800	75	Glazed
RAX-RA-428-X2	42	800	75	Fully metal
RAX-RA-428-X3	42	800	75	Perforated (air permeability 80 %)
RAX-RA-428-Y1	42	800	115	Glazed
RAX-RA-428-Y2	42	800	115	Fully metal
RAX-RA-428-Y3	42	800	115	Perforated (air permeability 80 %)
RAX-RA-456-X1	45	600	75	Glazed
RAX-RA-456-X2	45	600	75	Fully metal
RAX-RA-456-X3	45	600	75	Perforated (air permeability 80 %)
RAX-RA-456-Y1	45	600	115	Glazed
RAX-RA-456-Y2	45	600	115	Fully metal
RAX-RA-456-Y3	45	600	115	Perforated (air permeability 80 %)
RAX-RA-458-X1	45	800	75	Glazed
RAX-RA-458-X2	45	800	75	Fully metal
RAX-RA-458-X3	45	800	75	Perforated (air permeability 80 %)
RAX-RA-458-Y1	45	800	115	Glazed
RAX-RA-458-Y2	45	800	115	Fully metal
RAX-RA-458-Y3	45	800	115	Perforated (air permeability 80 %)

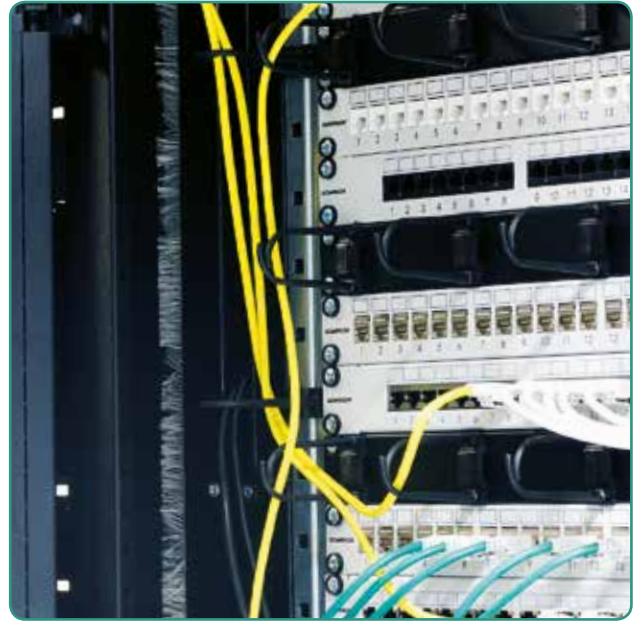


## SEPARATION FRAME



### SEPARATION FRAME WITHOUT OPENINGS

Especially for 800 mm wide cabinets is important to point cooling air efficiently through the door to the installed equipment. The flow between side panels and the vertical rails prevents separation frame. Mounted between the rails and the frame of the cabinet of cabinet secure perfectly this area thanks used brush seal. Frame is moving with vertical, which still can be attached in any depth of cabinet, so usage of frame do not restrict the user in selecting equipment.



### SEPARATION FRAME WITH OPENINGS

Version with additional 19" positions increases the cabinet installation capacity by 6 positions 1U and allows passage of cabling through the separation frame to the back of cabinet.

### DELIVERY AND INSTALLATION

Set of separation frame contains all the necessary components and assembly materials. Individual parts of the frame are mounted on the outside of the vertical rails using thread forming Tap-Tite screws. Frame with additional 19" positions is supplied with easy to install blanking panels fixed by plastic locks.

Type	Width (mm)	Heights (U)	19" positions
RAX-DT-R42-X6	600	42	NO
RAX-DT-R45-X6	600	45	NO
RAX-DT-R47-X6	600	47	NO
RAX-DT-R42-X8	800	42	NO
RAX-DT-R45-X8	800	45	NO
RAX-DT-R47-X8	800	47	NO
RAX-DT-R42-A8	800	42	YES
RAX-DT-R45-A8	800	45	YES
RAX-DT-R47-A8	800	47	YES

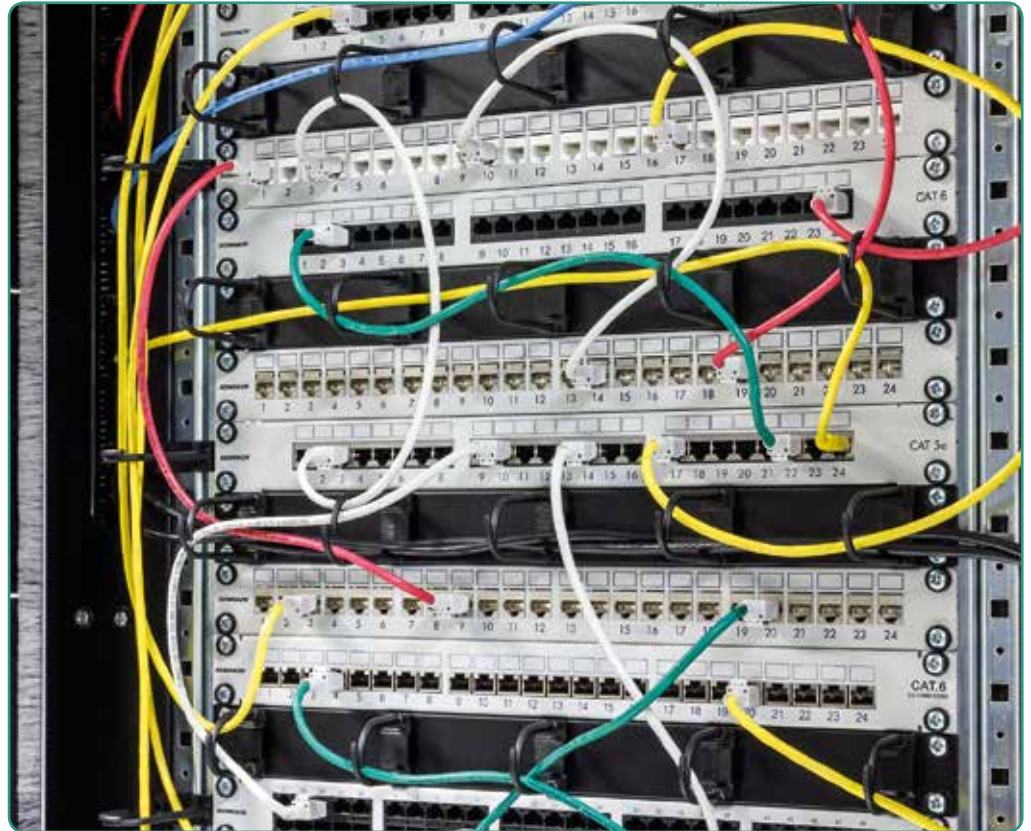




**POWER**

**DISTRIBUTION PANELS**

Power distribution panels can be installed directly into the cabinet frame, saving valuable installation space. Distribution panels thanks to thoughtful cabinet design do not disturb slide out servers even in cabinets 600 mm wide.



RAX-ZV-X03-X1

**RAX-ZV-X03-X1**

Connector for wire cable trays



RAB-UP-X23-A1

**RAB-UP-X23-A1, RAC-UP-X23-A1**

19" base station for 3U servers, 750 mm, 45 kg load capacity.



**ADAPTER 23"/" A 21"/" A 21"/"19"**

Cabinets Triton 800 mm wide allows to install vertical rails not only in 19" span but also in 21" and even 23". In this case for use of conventional 19" equipment is required this adapter (see Shelves).



RAX-ZV-X02-X1

**RAX-ZV-X02-X1**

Cabling between data center cabinets - this is another part of the complete solution. We offer a proven system of wire cable trays. Their high capacity, easy installation and large shape variability predetermine it for such applications. (RAX-ZV-X02-X1)



**RAX-ZV-X04-X1**

For attaching wire cable tray on cabinet is designed this holder. Screwed to the roof of the cabinet it provides not only the necessary load for cable trays but also the distance from the roof of cabinet to ensure needed cable bending radius. (RAX-ZV-X04-X1)



**PLASTIC MANAGEMENT RING**

Verticals of RDA cabinets are designed for installation of plastic rings. These are in the area next to the vertical and do not affect the 19" installation. Their installation and removal is easy and fast and allows you to adjust the organization of cables each time you change the installation (see Cable organization systems).



RAX-DR-X11-X1

**RAX-DR-X11-X1**

Holder of PDU 1U (pair). The holders are designed only for RDA cabinets.



RAX-DR-X12-X1

**RAX-DR-X12-X1**

Holder of PDU 2U (pair). The holders are designed only for RDA cabinets.







**EASY-CLIP BLANKING PANEL**

Blanking panel is frequently detached accessory in data centers for access to installed equipment. Therefore we offer a version with tool-less plastic locks, which can be quickly removed as well as installed to its place (see Blanking panels, cable entry panels).



**RAX-NZ-X30-X1**

Adhesive foil for perforated door 80%-6 mm (690 x 2090 mm), 47 U - free standing cabinets



RAB-VP-H10-X1

**RAB-VP-H10-X1**

Cable management vertical panel 10U - comb, for cabinets 800 mm width, RAL9005



**REMOVABLE COVER**

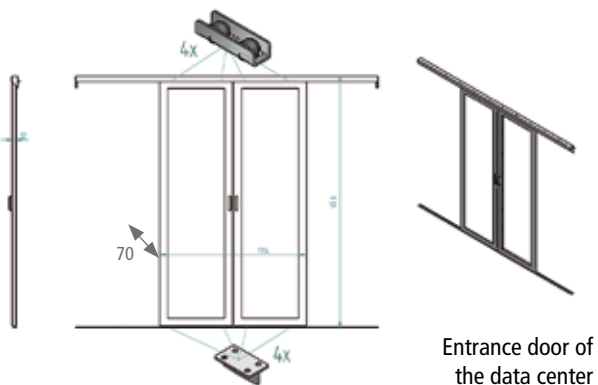
Swing, removable cover for cable management vertical panel RAB-VP-H10-X1



## DATA CENTER – HOT / COLD AISLE

Once several cabinets are connected together, it is necessary to optimize cooling of all installed equipment. Uncontrolled air flow is very expensive and inefficient. There is a concept of „cold and hot aisles“ to prevent from such situations, which leads to controlling over the cold air flow and also which leads to prevention from mixing cold and hot air together. It is one of the most popular solution to cover all cabinets and separate them from outside with a sliding door system. Such solution

will allow cold air input in between cabinet rows and all hot air goes away into the surrounding (hot air is cooled down with an A/C unit and returns back in cold aisle among cabinets). This solution is called „a cold aisle“. The hot aisle solution has an opposite system of the air flow. All cold air is around data cabinets and the hot air is collected in between cabinet rows. For both „aisle“ solutions we can provide you with standard components. Atypical solutions are subject to an individual offer.



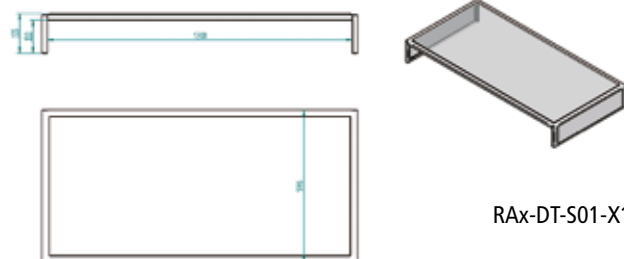
Entrance door of the data center

### ■ RAX-DT-Dxx-Xx

Sliding double-wing doors which are intended for data centers have a safety clear glass filling. A standard version is suitable for 1200 mm wide aisle for 42, 45 and 47 Units.

There is also a version of the self-closing (with gas spring), electrical (opens by motion sensor) and other solutions. Request a quote as per your needs.

Type	Height (U)
RAX-DT-D42-X1	42
RAX-DT-D45-X1	45
RAX-DT-D47-X1	47
RAX-DT-D42-X3 - self-closing (gas spring)	42
RAX-DT-D45-X3 - self-closing (gas spring)	45
RAX-DT-D47-X3 - self-closing (gas spring)	47



RAX-DT-S01-X1

Data center's roof panel

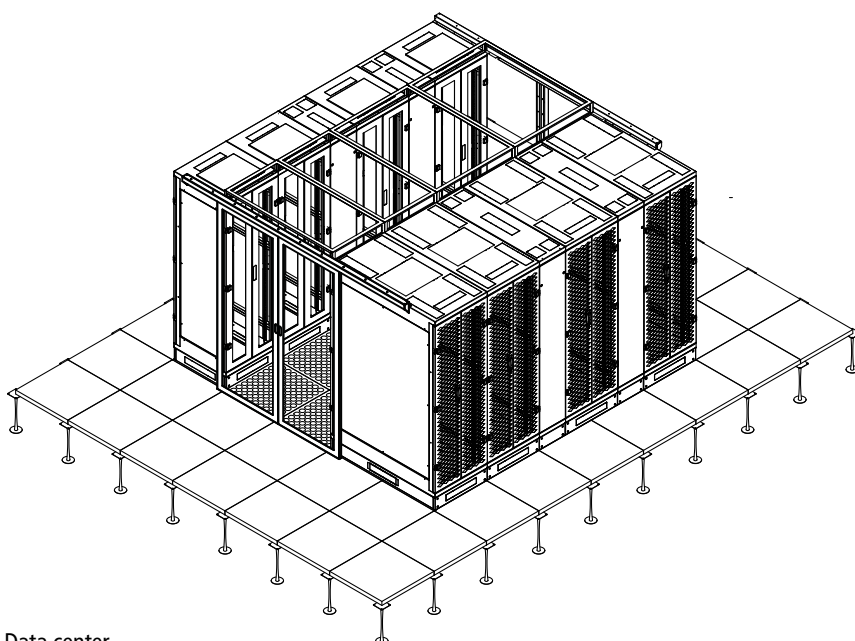
### ■ RAX-DT-Sxx-X1

An aisle roof is made of a clear safety glass in a metallic frame. A ceiling shape allows an air to flow easily. Macrolon filling of the metallic frame is a subject to an individual offer.

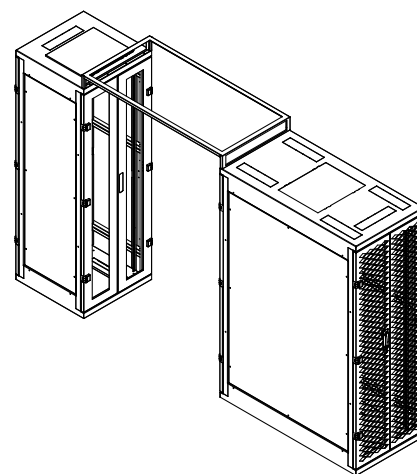
We offer 1200 mm roofing of an aisle as a standard for cabinet width from 300 mm to 800 mm.

News in our offer are sliding roofs, providing access to cable trays and self-opening roofs, which in case of a fire in a flash expose extinguishing gas access to datacenter aisle.

Type	Width of roof panel
RAX-DT-S04-X1	300 mm
RAX-DT-S03-X1	400 mm
RAX-DT-S01-X1	600 mm
RAX-DT-S02-X1	800 mm



Data center



Data center's roof panel

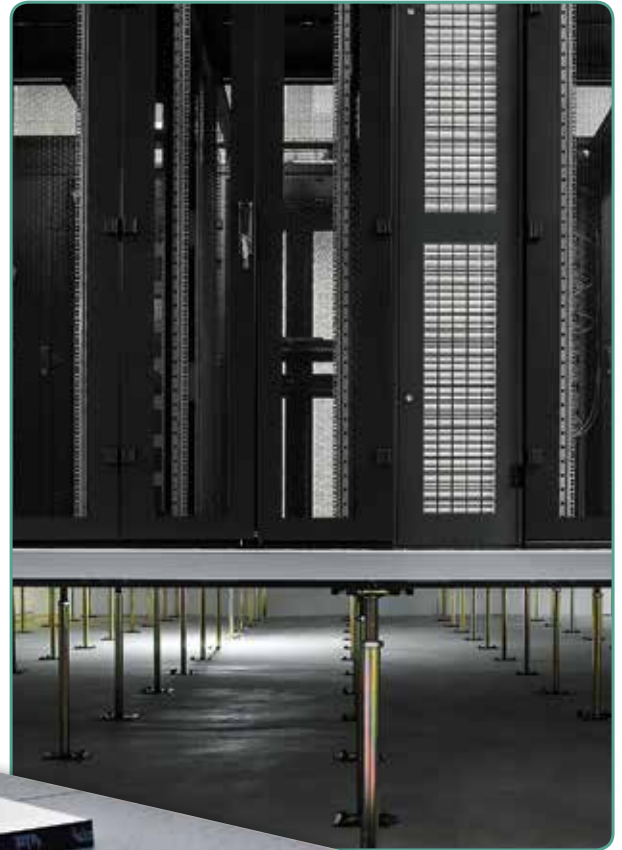


## RAISED FLOORS

Raised floors are in most cases an integral part of the data center. Suppliers of materials for raised floors in our range are ATIZ Company and MERO. We work closely with the manufacturer or, in the case of floors Mero, with the exclusive distributor for the Czech Republic. We therefore offer a complete delivery of both materials and installation.

Raised floor is made from stepping plates size 600 x 600 mm made of special chipboard with high density and thickness of 38 mm. The side edges are covered with a plastic strip to protect against damage and moisture. To achieve a seamless surface plates have edges angled by 4°.

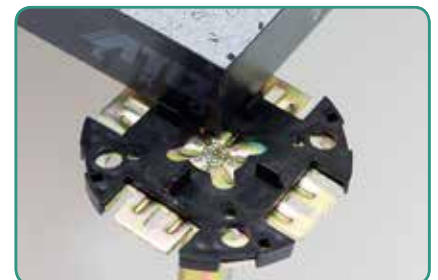
The bottom side is provided with aluminum foil or galvanized steel sheet. The plates are carried by steel, height-adjustable struts with anti-corrosion finish yellow chromate that sticks elastic sealant on a primer soaked concrete floor. Contact of plates with struts is made by electrostatically conductive plastic washer which works also as sound insulation. On request, electrostatically conductive plate may be supplied include certification of electrical inspection.

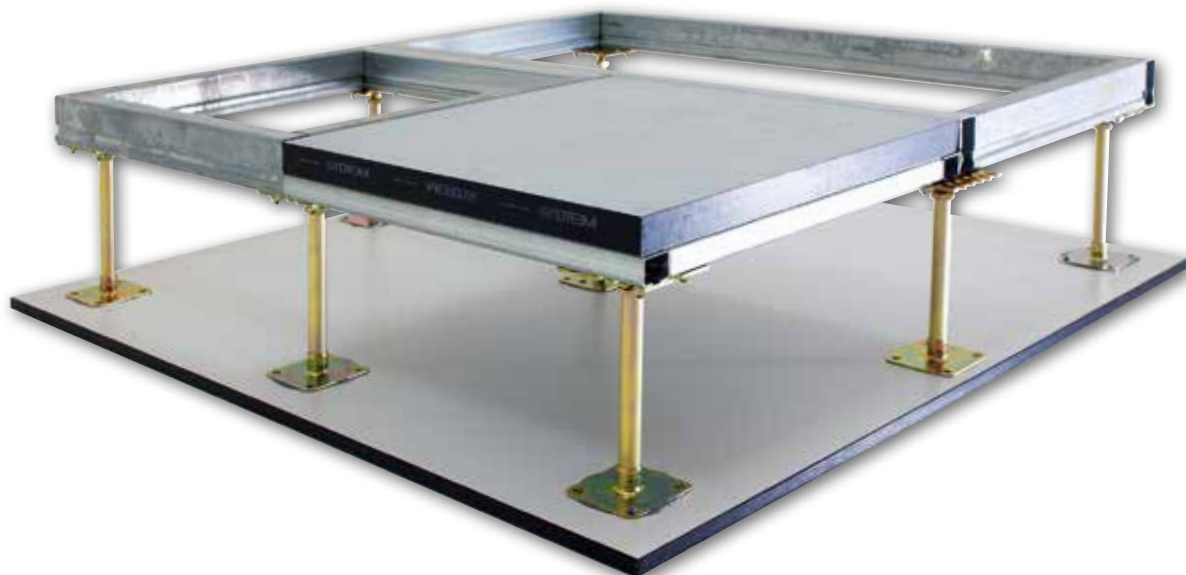


ATIZ	
Type	Tile (finishing)
ADS 40	ADS 40/T-500 600 x 600 PVC Dynamic
ADS 40	ADS 40/T-500 600 x 600 without finishing
ADS 40	ADS 40/T-500 600 x 600 PVC Dynamic electrostatic
ADS 40	ADS 40/T-1000 600 x 600 PVC Dynamic
ADS 40	ADS 40/T-1000 600 x 600 without finishing
ADS 40	ADS 40/T-1000 600 x 600 PVC Dynamic electrostatic

### ■ Raised floor ATIZ

The manufacturer of this type of floor is a Czech company using materials from proven suppliers. Preferred supplier of surfaces in this case is a traditional Czech manufacturer Fatra. Indisputable benefit is a very good price / performance ratio.





## ■ Raised floor MERO

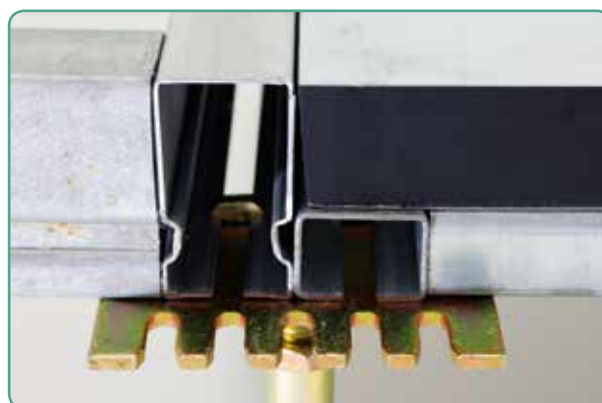
One of the best systems of the raised floors from point of view of quality and portfolio range are products of the German company MERO Systeme GmbH. Our company offers types of raised floors designed for installation in data centers also as in the energy and technological centers.

### Raised floor MERO typ 5

The panel is made of high density chipboard. The facing surface can be selected by the customer (PVC, linoleum, aluminum foil, etc.), back side is covered with galvanized sheet 0.5 mm. Sides of panels are covered with plastic tape, which ensures maximum dimensional tolerance, moisture protection and tightness of the system. Panels are freely placed on adjustable struts, glued to the building structure.

### Raised floor MERO typ 2

Special technological frame based raised floor suitable for electro distribution rooms and similar technological centers. Panels (depending on desired fire protection of system) are freely placed on the frame substructure of C-profiles, bolted to adjustable struts. Span of struts can be made in multiples of panel sizes 600 x 600 mm or 600 x 1200 mm. Anywhere in floor area can create free or covered, dimensionally adjustable, reinforced frames under the equipment (cabinets, distributors etc.).



MERO	
Type	Tile (finishing)
5	5GB 38 600x600 PVC MERO ELAST 3000 steel
5	5GA 38 600x600 PVC MERO ELAST 2000 ALU foil
5	5GAA 38 600x600 ALU foil 3000 ALU foil
5	5GBA 38 600x600 without finishing 3000 ALU foil

Building height of the raised floor can be achieved in the range from 65 to 2500 mm, this parameter must be adapted to the type of flooring and struts design.

For design and calculation of raised floor the **project documentation** is needed, this will be **free of charge** prepared by our specialists.



## ■ Instructions for Operation and Maintenance

### 1. Environment Parameters

Standard – according to individual types.

### 2. Panel Lifting Handles

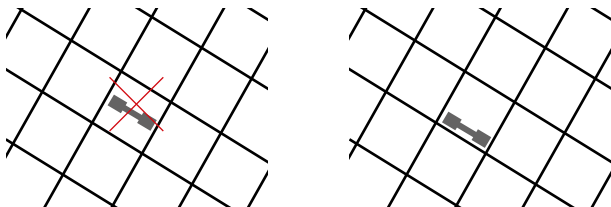
In order to lift the panels, a panel lifting handle must ALWAYS be used. This is delivered as an accessory with raised floors:

- Handle for "hard" covers – smooth surfaces (vacuum handle)
- Handle for glued textile surfaces (needle handle)
- Special handle for "studded" rubber covers

**PANELS MUST NOT BE REMOVED WITH A SCREWDRIVER OR OTHER UNSUITABLE TOOL WHICH MAY DAMAGE THE PANEL.**

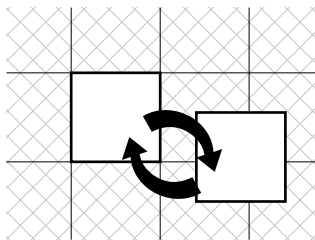
### 3. Removing the Panels

Attach the handle at a point about 1/3 of the panel, at the same distance from the edges and lift the panel. Lay it face up, do not lay it on its edge. We recommend putting the panels as close as possible to the area where they were removed and in the same position as they were removed, in order to replace them correctly.



### 4. Laying the Panels

Remove any dirt from the stand heads, attach the handle to the panel surface, set the panel on the edge of the two stands and "slide" it in place. For edge panels (mostly shortened panels) extreme care must be taken during reinstallation – first "slide in" the panel sideways with the attached rubber on the edge stands by the wall, press against the wall and "snap" the edge towards the room into place.



It is important to ensure that the panel is inserted AT THE SAME PLACE from which it was removed (avoid swapping the panels) and IN THE SAME POSITION (avoid turning the panels).

If a panel "clicks" during this process, the distancing projection on the pedestal head must be checked (if it is deformed and cannot be straightened, it may, in extreme cases, be cut off).

### 5. Removing and replacing Rows of Panels

It is not recommended to uncover an area larger than one row of panels without the assistance of someone from a specialised company.

When removing a long line of panels, we recommend leaving every 5<sup>th</sup> or 6<sup>th</sup> panel as a spacer.

Under no circumstances should you uncover an area which would leave a pedestal remaining separately.

After the first panel is removed using the original lifting handle, you can remove the other panels without the handle in the same direction. Returning the panels should be done by "zip" way, using the system of 1-3-5-7-... / 2-4-6-8-... .

It is important to ensure that the panel is inserted **AT THE SAME PLACE** from which it was removed (avoid swapping the panels) and **IN THE SAME POSITION** (avoid turning the panels).

For raised floors type 2 (bolted frame construction), a larger surface can be uncovered (panels have to be returned at the same place and in the same position) – in this case however, it is important to protect the distancing pads on the profiles from damage.

### 6. Cutouts in the Panels

Additional panel cutouts must be at least 100 mm from the edge of the panel. With a greater load, the carrying capacity of the panel must be increased by using additional pedestals. If the panels are divided or the corners are cut off because of the cutouts, it is also necessary to use additional pedestals. On divided panels, the remaining pedestals have to be bolted down.

### 7. Disassembly

Disassembling and reassembling larger areas may be done only by trained experts.

### 8. Installing Wiring

- Do not pull wires over the edges of the panels.
- When laying wires under a raised floor, be careful not to damage the wires on the sharp ends of the construction.

We recommend laying the wire by unrolling it directly from the roll.

### 9. Moving Heavy Objects or Equipment across the Raised Floor

Moving heavy objects or equipment near an open row of panels must be avoided. When moving heavy loads, it is necessary to ensure that the allowable stress is not exceeded. When shifting heavy loads on a raised floor by the use of a forklift, then decisive is declared point load value.

### 10. Special constructions

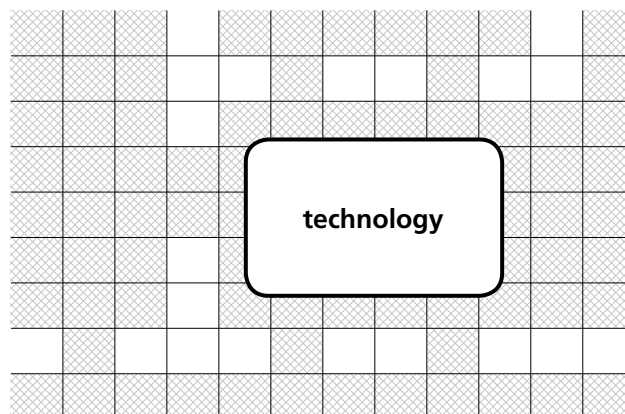
- Raster profiles of U, M or C type – common profiles are set only loosely on stands secured against horizontal movement. During installation or when modifying installations under a raised floor, profiles can be removed for easier accessibility.

Make sure that, particularly for raised floors higher than about 50 cm, a raster of more than one row is not removed and freely standing pedestals do not remain without being secured horizontally by the raster.

- Type C raster profiles (raised floor type 2) are secured by bolts with special heads. For modifying this construction, it is recommended too contact the professional company which installed the raised floor, or other specialised company.

## 11. Carrying Capacity of Raised Floors

- The maximum carrying capacity of the raised floor construction is declared during the delivery.
- If a heavy load is moved across the raised floor, the increased dynamic stress must be considered.
- Do not move heavy objects near to uncovered parts of the raised floor with panels removed.
- Install equipment only after you make sure that its weight will not exceed the declared maximum carrying capacity of the raised floor.
- Example method for additional removing parts of the floor panels (especially in the area of heavy equipment) for the installation of wiring, etc. – it must be ensured that not too long a line of panels is removed without leaving a few spacing panels in their position:



## ■ Instructions for Maintaining Surfaces

Care of elastic surfaces of raised floors made of PVC, linoleum and rubber includes three basic operations:

- Cleaning (damp cloths wiping and cleaning products)
- Creating a protective coating
- Disinfection (in facilities where this is required)

When selecting cleaning and maintenance products, you should thoroughly read the manufacturer's instructions for use and exclude those that could:

- Cause swelling, shrinkage or leaching flooring;
- Adversely affect surface properties, especially colour, slip resistance, elasticity, or electrophysical properties of the covering.

### General Maintenance Rules

- If a raised floor with elastic surface is particularly dirty, it is recommended that first you gently sweep away the loose coarse dirt (caution should be exercised with sharp impurities to prevent scratching the surface).
- **Damp cloths wiping** easily removes stubborn dirt from the floor (a suitable broom covered with a moist cloth). When caring for a raised floor, due to the nature of the material supporting the panels, you should consistently ensure that maintenance is actually carried out only with a DAMP, not wet, cloth. Particular care should be taken especially for end panels around the periphery of raised floors and passages where the material supporting the panels (mostly particleboard) is not protected and could come into direct contact with water.

Common suitable cleaning products can be added to the water used for cleaning, or combined products - maintenance - which also create a protective film on the floor covering. Using these types of products will combine cleaning and creating a protective coating in one operation. For maintaining the floor we recommend always using the same type of cleaning products.

When selecting cleaners for linoleum, it must be taken into account that highly alkaline compositions may attack the natural raw material and cause unwanted discolouration. When in doubt, test the cleaner on a sample beforehand.

- **ELECTROSTATICALLY CONDUCTIVE AND ANTI-STATIC SURFACES.** Only manufacturers recommended maintenance materials can be applied on PVC, LINOLEUM AND RUBBER FLOORS, in order to not adversely affect the electrophysical properties of the flooring . In measuring out dosages, you should generally follow the instructions of the manufacturers of the cleaning maintenance products.
- **Cleaning products** - used when it is necessary to remove tough stains or footprints/scuffs, which cannot not be removed by wiping with a damp cloth. Stains and footprints are sprayed with a combination of maintenance and cleaning products (cleaners) or a suitable multi-purpose emulsion and left to work.  
The cleaners are applied by hand or pressure sprayer. If the dirt is severe, a rotary cleaning machine with polyamide cleaning discs (Nylpads) can be used – on linoleum only a soft disc can be used.

### Initial Treatment:

- Initial treatment (especially for linoleum) should be done after construction is finished using a suitable glossy emulsion or dispersion, as recommended by the flooring manufacturer. Ordinary maintenance products can also be used, which are added to the cleaning water. To create a protective film, it is necessary to use higher concentrations of the product (be careful not to use too much, as a sticky coating may result)..
- For electrostatically conductive and antistatic surfaces, the same principle applies when selecting products for the initial treatment, as for selecting products for routine maintenance (see previous section).

When selecting the proper cleaning and maintenance products, flooring manufacturers recommend the range of products of companies such as:

- HENKEL
- JOHNSON WAX
- CHEMA - CHEMIE
- LEVER SUTTER and other well known brands.



## REFERENCES







## REFERENCES







## REFERENCES





## REFERENCES





## REFERENCES







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## REFERENCES





## REFERENCES





## REFERENCES







# Wall-Mounted Cabinets







## WALL-MOUNTED CABINETS – OVERVIEW



**RBA – one-sectioned**  
IP30, capacity 30 kg

103



**RBA – two-sectioned**  
IP30, capacity 30 kg

107



**RUA**  
with removable side panels, IP30, capacity 30 kg

113



**RUA Light**  
Riveted cabinet with removable sides,  
made of galvanized sheet, IP 30, capacity 25 kg



117



**RXA**  
flat-pack concept, IP30, capacity 25 kg

121



**RKA – 10" and 19"**  
IP30, capacity 20 kg

125



**RBA – 10"**  
IP30, capacity 20 kg

129



RBA – one-sectioned



## RBA - one-sectioned

One-sectioned welded wall cabinet.  
IP30, capacity 30 kg



**RIGID CONSTRUCTION**

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



**FLEXIBLE DOOR OPENING**

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



**DOOR LOCK**

It enables an easy and quick access into the cabinet.

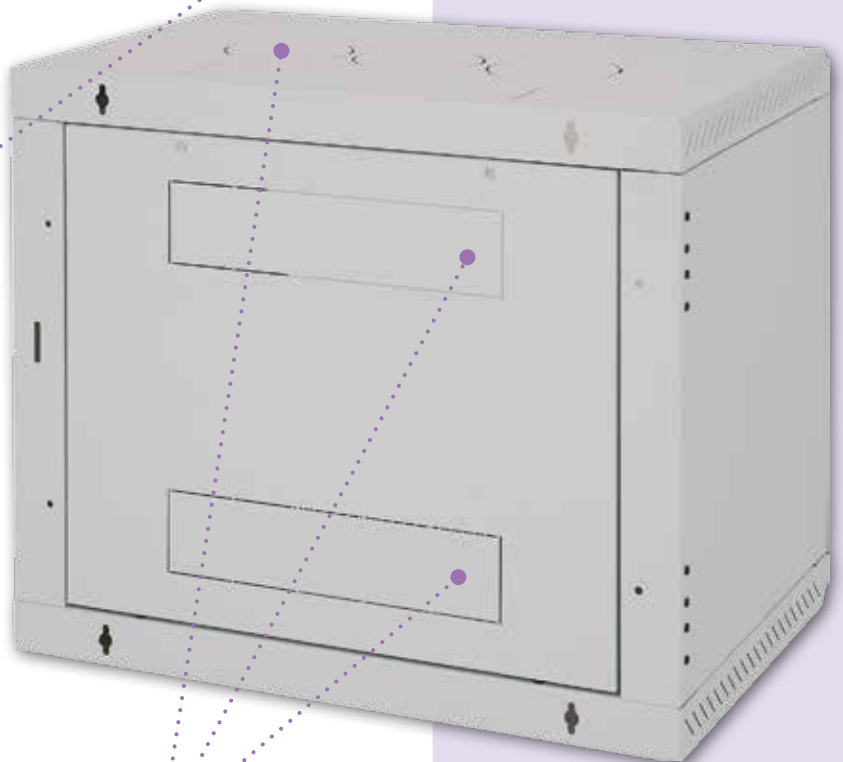


**ADJUSTABLE VERTICAL RAILS**

One pair of vertical 19" rails is freely adjustable in any depth of the cabinet. This simplifies mounting of devices and organisation of connecting cables.

**DOOR**

The cabinet has fully glass door in standard. It can be steel or perforated if required.



**BREAKOUT-TYPE BLANKING PANELS**

Cable openings covered with breakout-type blanking panels are ready in the top, bottom and rear part of the cabinet. Use a plastic frame and a blanking panel with a brush, that are parts of the cabinet supply, to seal the cabinet opening against dust penetration.

### RBA (DELTA B 4S)

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RBA-04-AS4-CAX-A1	280	175	516	600	395	234	420	12,0	11,7	30
RBA-06-AS4-CAX-A1	370	265	516	600	395	324	420	13,9	13,6	
RBA-09-AS4-CAX-A1	500	395	516	600	395	454	420	16,5	16,1	
RBA-12-AS4-CAX-A1	635	530	516	600	395	589	420	19,5	19,1	
RBA-15-AS4-CAX-A1	770	665	516	600	395	724	420	22,2	21,8	
RBA-18-AS4-CAX-A1	900	795	516	600	395	854	420	25,1	24,7	

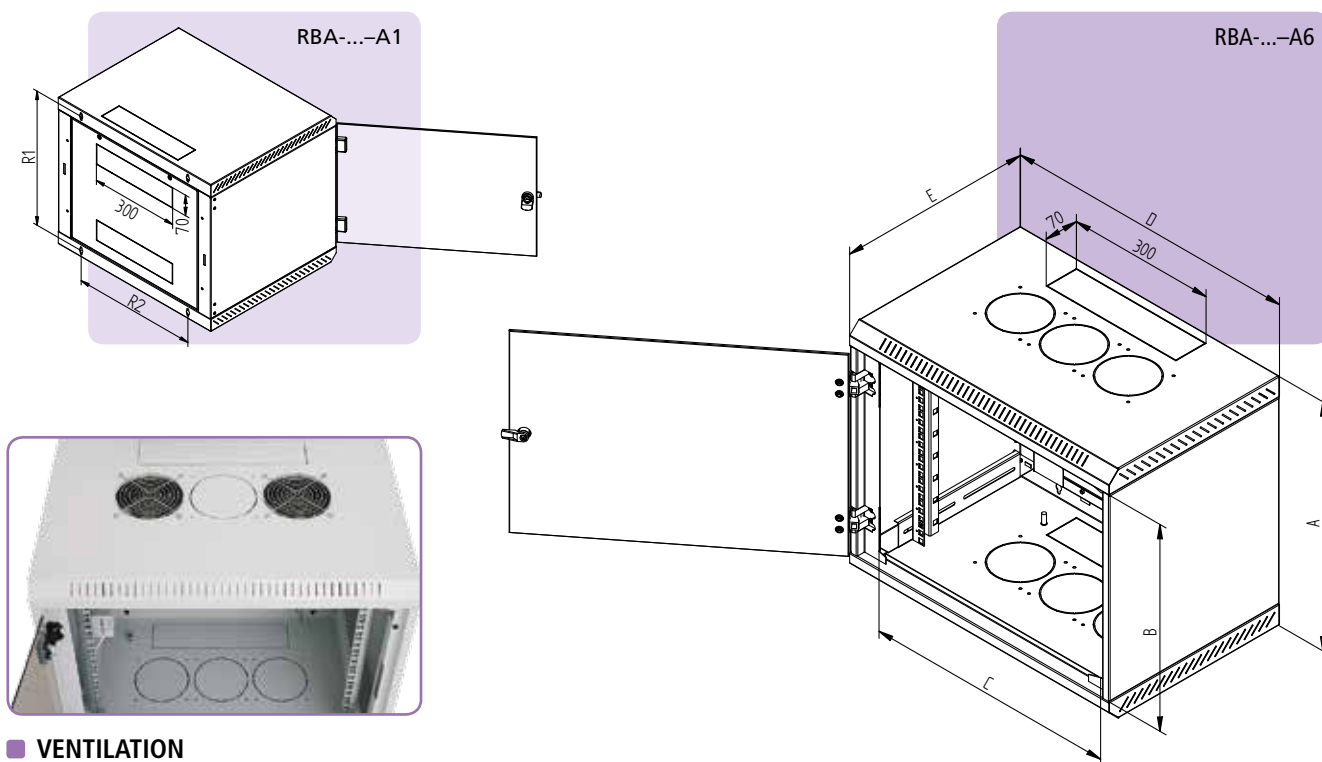
### RBA (DELTA B 5S)

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RBA-04-AS5-CAX-A1	280	175	516	600	495	234	420	13,8	13,5	30
RBA-06-AS5-CAX-A1	370	265	516	600	495	324	420	16,0	15,6	
RBA-09-AS5-CAX-A1	500	395	516	600	495	454	420	18,8	18,4	
RBA-12-AS5-CAX-A1	635	530	516	600	495	589	420	22,1	21,7	
RBA-15-AS5-CAX-A1	770	665	516	600	495	724	420	25,0	24,6	
RBA-18-AS5-CAX-A1	900	795	516	600	495	854	420	28,1	27,7	

### RBA (DELTA B 6S)

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RBA-04-AS6-CAX-A1	280	175	516	600	595	234	420	15,8	15,5	30
RBA-06-AS6-CAX-A1	370	265	516	600	595	324	420	18,0	17,7	
RBA-09-AS6-CAX-A1	500	395	516	600	595	454	420	21,1	20,8	
RBA-12-AS6-CAX-A1	635	530	516	600	595	589	420	24,3	24,0	
RBA-15-AS6-CAX-A1	770	665	516	600	595	724	420	27,6	27,2	
RBA-18-AS6-CAX-A1	900	795	516	600	595	854	420	30,7	30,3	

\* For purchase of data cabinet ready for fans it is necessary to specify ...-A6 at the end of product code.



#### ■ VENTILATION

The RBA type A6\* has 6 break-out blanking panels for the installation of ventilation units RAX-CH-X2x-X1 or fans RAX-CH-X07-X9 (up to 3 in top and 3 in bottom part of the cabinet). The RBA cabinet provides with a possibility to install an equipment, which has never been cooled enough before. Such equipment could be only installed into free standing cabinets before.





## WALL-MOUNTED CABINET RBA – one-sectioned

### ■ DESCRIPTION, PURPOSE OF USE

- 19" one-sectioned wall-mounted cabinet with IP30 protection
- Cabinet is to be hanged right on the wall.
- Cabinet includes two sliding vertical rails.
- Cabinet construction:
  - Compact welded cabinet
  - Safety hardened glass door, thickness 4 mm. On demand may be metal or perforated.
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet.
- An A6 version has several openings in the top and bottom part of the cabinet which allow to install ventilation units and which are covered with break-out blanking panels.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is certified by ITI TÜV, certification number 06.140.498/r1, date 03/01/2013 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).





RBA – two-sectioned

## RBA - two-sectioned

Two-sectioned welded wall cabinet.  
IP30, capacity 30 kg



**RIGID CONSTRUCTION**

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



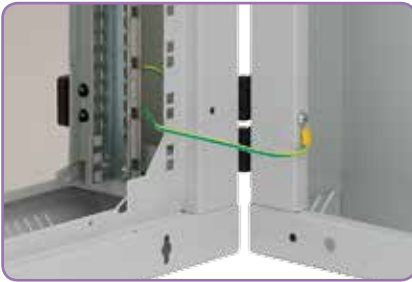
**FLEXIBLE DOOR OPENING**

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



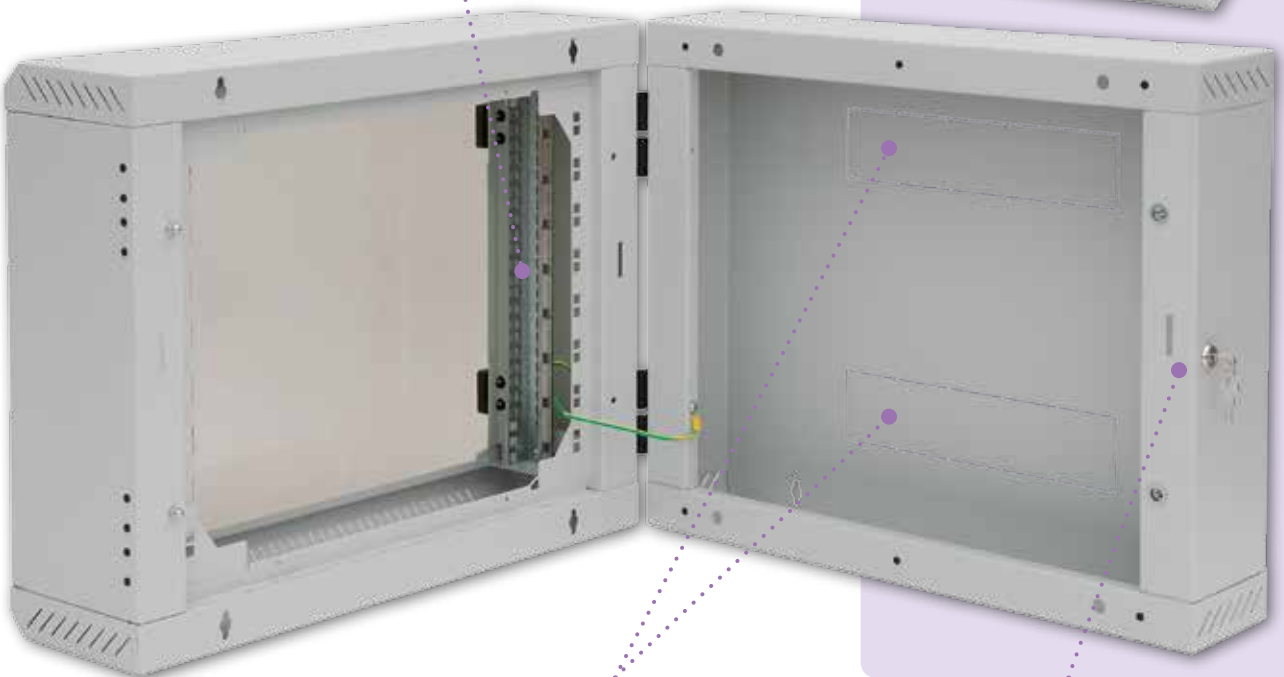
**LOCKS**

Door lock and back hinged section have in the standard version the same key.



**ADJUSTABLE VERTICAL RAILS**

One pair of vertical 19" rails is freely adjustable in any depth of the cabinet. This simplifies mounting of the device and organisation of connecting cables.



**DOOR**

The cabinet has fully glass door in standard. It can be steel or perforated if required.

**BREAKOUT-TYPE BLANKING PANELS**

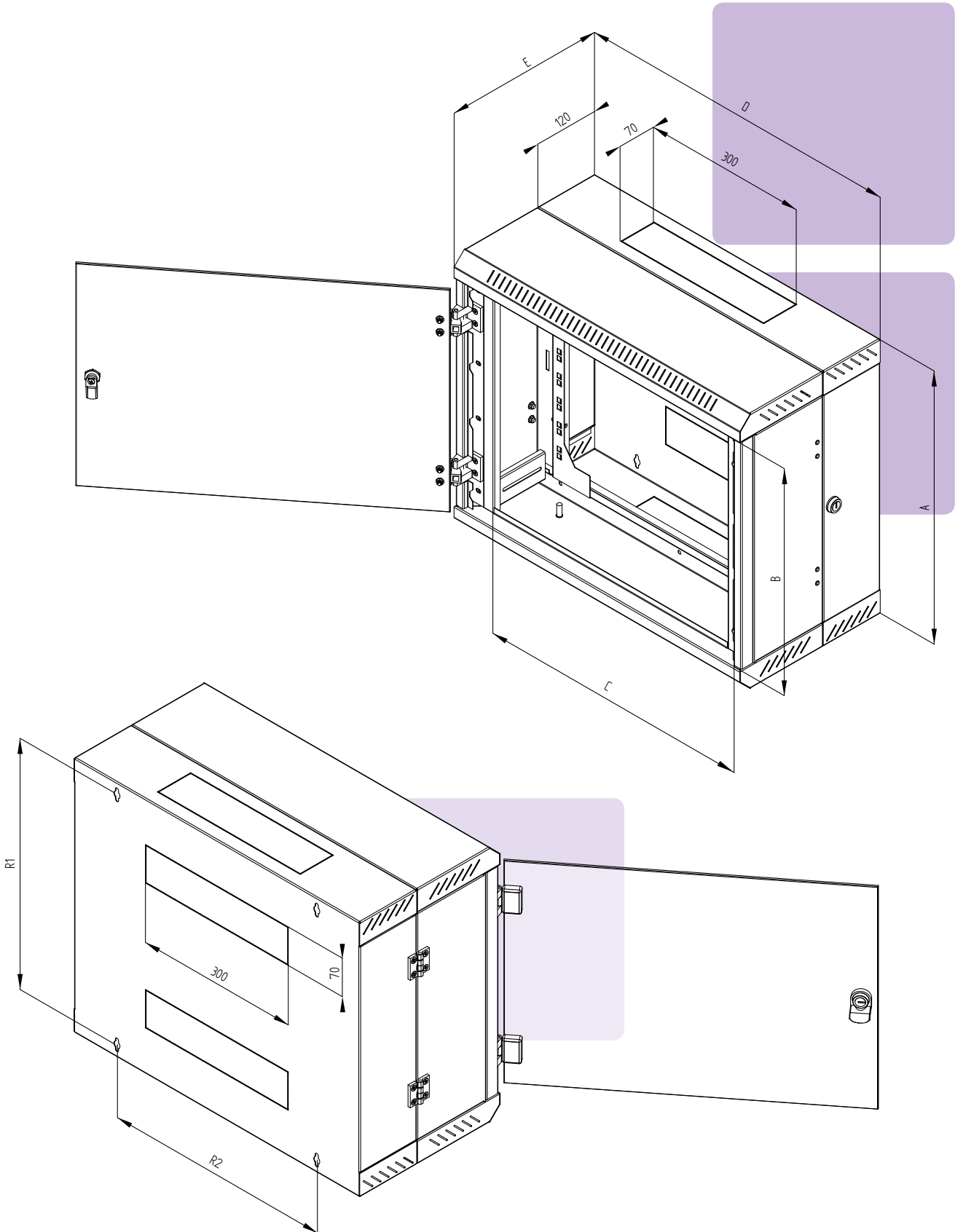
Cable openings covered with breakout-type blanking panels are ready in the top, bottom and rear part of the cabinet. Use a plastic frame and a blanking panel with a brush, that are parts of the cabinet supply, to seal the cabinet opening against dust penetration.

**EASY ACCESS**

Construction of the cabinet enables easy access to the rear cabinet section. You can easily open the front part of the cabinet after unlocking side lock. All parts are interconnected and earthed.

**RBA (DELTA B 2D)**

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RBA-04-AD2-CAX-A1	280	175	516	600	295	234	420	11,1	10,8	30
RBA-06-AD2-CAX-A1	370	265	516	600	295	324	420	12,7	12,4	
RBA-09-AD2-CAX-A1	500	395	516	600	295	454	420	15,5	15,2	



RBA – two-sectioned





**RIGID CONSTRUCTION**

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



**FLEXIBLE DOOR OPENING**

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



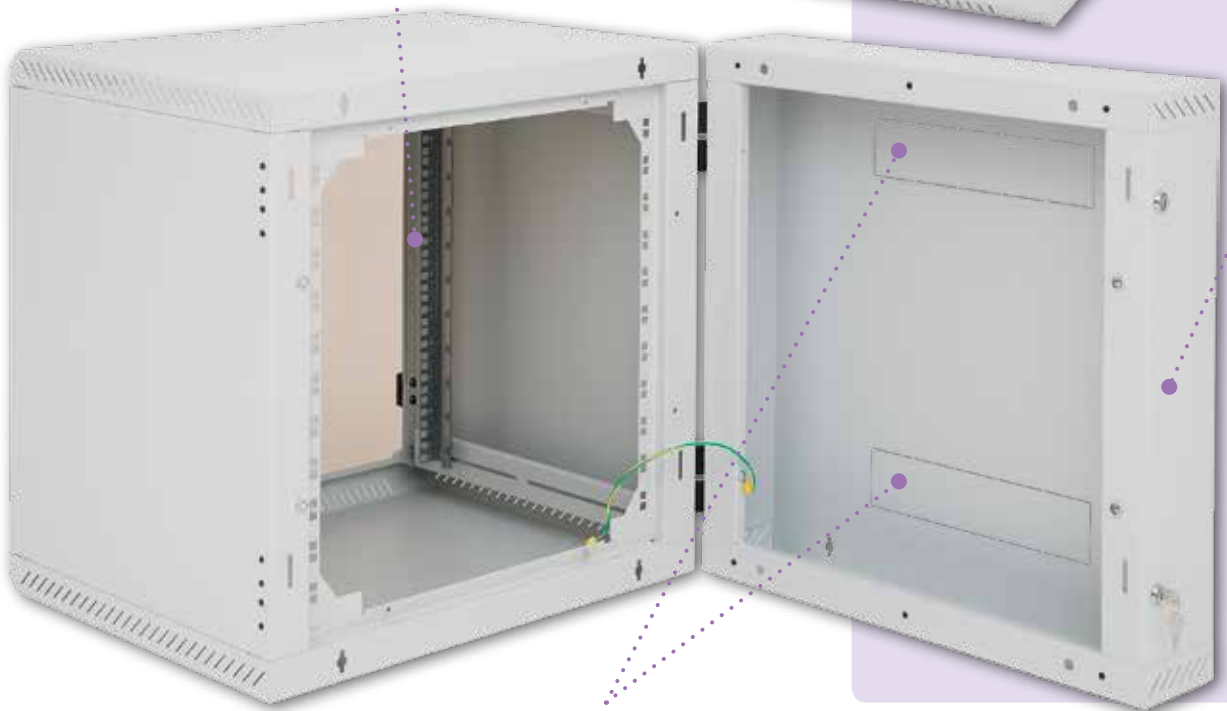
**LOCKS**

Door lock and back section have the same key.



**ADJUSTABLE VERTICAL RAILS**

One pair of vertical 19" rails is freely adjustable in any depth of the cabinet. This simplifies mounting of the device and organisation of connecting cables.



**DOOR**

The cabinet has fully glass door in standard. It can be steel or perforated if required.

**BREAKOUT-TYPE BLANKING PANELS**

Cable openings covered with breakout-type blanking panels are ready in the top, bottom and rear part of the cabinet. Use a plastic frame and a blanking panel with a brush, that are parts of the cabinet supply, to seal the cabinet opening against dust penetration.

**RBA (DELTA B 5D)**

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RBA-04-AD5-CAX-A1	280	175	516	600	515	234	420	15,4	15,1	20
RBA-06-AD5-CAX-A1	370	265	516	600	515	324	420	17,3	16,9	20
RBA-09-AD5-CAX-A1	500	395	516	600	515	454	420	20,5	20,1	25
RBA-12-AD5-CAX-A1	635	530	516	600	515	589	420	23,9	23,5	25
RBA-15-AD5-CAX-A1	770	665	516	600	515	724	420	27,4	27,0	30
RBA-18-AD5-CAX-A1	900	795	516	600	515	854	420	30,5	30,1	30

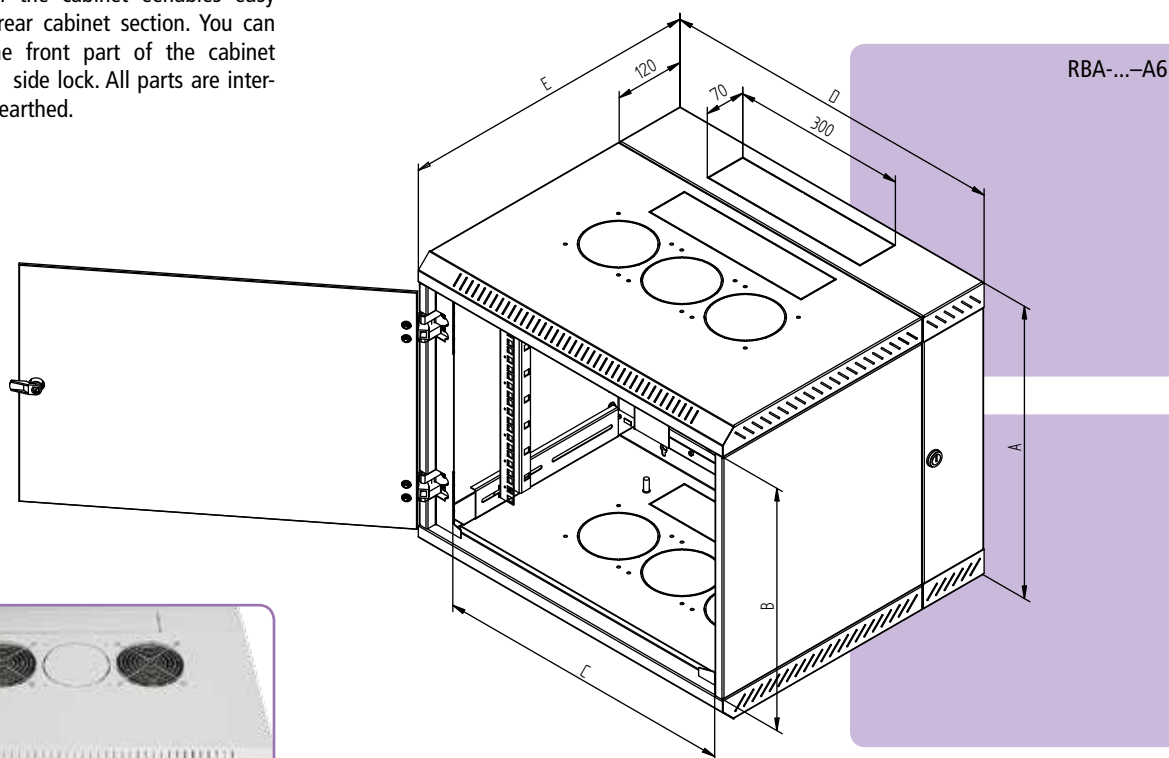
**RBA (DELTA B 6D)**

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RBA-04-AD6-CAX-A1	280	175	516	600	615	234	420	17,3	17,0	20
RBA-06-AD6-CAX-A1	370	265	516	600	615	324	420	19,3	18,9	20
RBA-09-AD6-CAX-A1	500	395	516	600	615	454	420	22,7	22,4	25
RBA-12-AD6-CAX-A1	635	530	516	600	615	589	420	26,2	25,9	25
RBA-15-AD6-CAX-A1	770	665	516	600	615	724	420	29,7	29,3	30
RBA-18-AD6-CAX-A1	900	795	516	600	615	854	420	33,6	33,2	30

\* For purchase of data cabinet ready for fans it is necessary to specify ...-A6 at the end of product code.

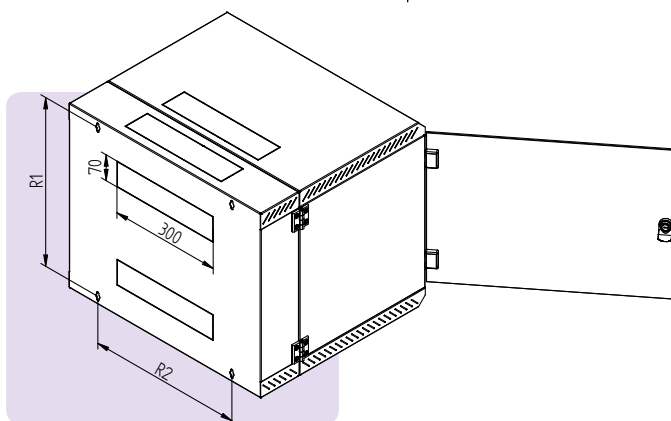
**EASY ACCESS**

Construction of the cabinet enables easy access to the rear cabinet section. You can easily open the front part of the cabinet after unlocking side lock. All parts are interconnected and earthed.



**VENTILATION**

The RBA type A6\* has 6 break-out blanking panels for the installation of ventilation units RAX-CH-X2x-X1 or fans RAX-CH-X07-X9 (up to 3 in top and 3 in bottom part of the cabinet). The RBA cabinet provides with a possibility to install an equipment, which has never been cooled enough before. Such equipment could be only installed into free standing cabinets before.





## RBA WALL-MOUNTED CABINET – two-sectioned

### ■ DESCRIPTION, PURPOSE OF USE

- 19" two-sectioned wall-mounted cabinet with IP30 protection
- Cabinet is to be hanged right on the wall.
- Cabinet includes two sliding vertical rails.
- Cabinet construction:
  - Compact welded cabinet
  - Safety hardened glass door, thickness 4 mm. On demand may be metal or perforated.
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet.
- An A6 version has several openings in the top and bottom part of the cabinet which allow to install ventilation units and which are covered with break-out blanking panels.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).
- Both cabinet sections are joined with a lock accessible from the side of the cabinet.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.140.499/r1, date 03/01/2013 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).



RUA



00000110010001111010

**RUA** ▶

One-sectioned welded cabinet with removable side panels.  
IP30, capacity 30 kg





#### ■ RIGID CONSTRUCTION

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



#### ■ FLEXIBLE DOOR OPENING

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



#### ■ DOOR LOCK

It enables an easy and quick access into the cabinet.

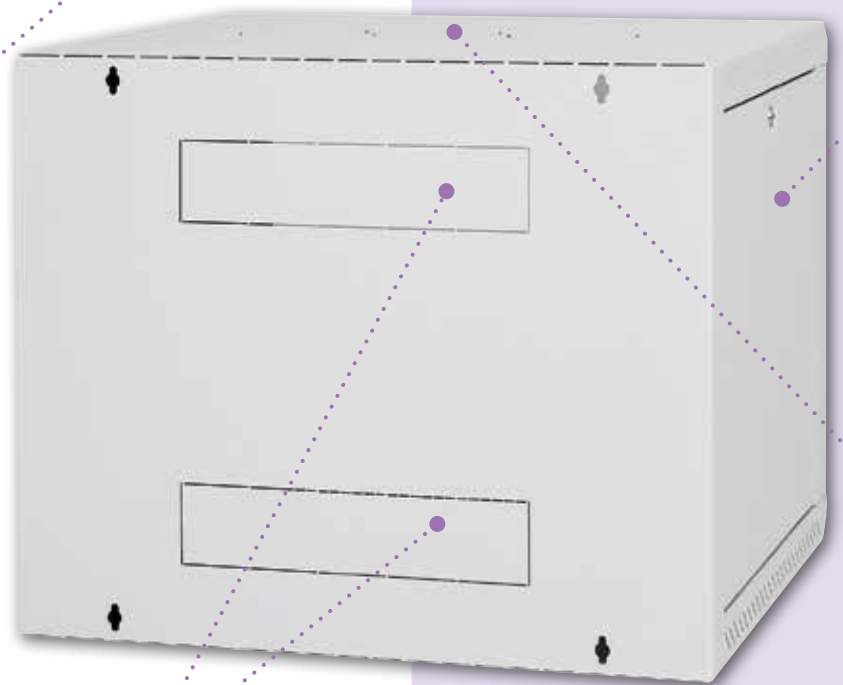


#### ■ ADJUSTABLE VERTICAL RAILS

Two pairs of vertical 19" rails are freely adjustable in any depth of the cabinet. This simplifies mounting of the device and organisation of connecting cables.

#### ■ DOOR

The cabinet has fully glass door in standard. It can be steel or perforated if required.



#### ■ BREAKOUT-TYPE BLANKING PANELS

Cable openings covered with breakout-type blanking panels are ready in the top, bottom and rear part of the cabinet. Use a plastic frame and a blanking panel with a brush, that are parts of the cabinet supply, to seal the cabinet opening against dust penetration.

**RUA (DELTA U AS4)**

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RUA-06-AS4-CAX-A1	370	265	530	600	395	324	420	14,5	14,2	30
RUA-09-AS4-CAX-A1	500	395	530	600	395	454	420	17,6	17,3	
RUA-12-AS4-CAX-A1	635	530	530	600	395	589	420	20,6	20,3	
RUA-15-AS4-CAX-A1	770	665	530	600	395	724	420	22,3	22,0	
RUA-18-AS4-CAX-A1	900	795	530	600	395	854	420	26,9	26,6	

**RUA (DELTA U AS5)**

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RUA-06-AS5-CAX-A1	370	265	530	600	495	324	420	16,4	16,1	30
RUA-09-AS5-CAX-A1	500	395	530	600	495	454	420	19,8	19,5	
RUA-12-AS5-CAX-A1	635	530	530	600	495	589	420	22,0	21,7	
RUA-15-AS5-CAX-A1	770	665	530	600	495	724	420	26,3	26,0	
RUA-18-AS5-CAX-A1	900	795	530	600	495	854	420	29,5	29,1	

**RUA (DELTA U AS6)**

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RUA-06-AS6-CAX-A1	370	265	530	600	595	324	420	19,2	18,9	30
RUA-09-AS6-CAX-A1	500	395	530	600	595	454	420	21,6	21,3	
RUA-12-AS6-CAX-A1	635	530	530	600	595	589	420	26,3	26,0	
RUA-15-AS6-CAX-A1	770	665	530	600	595	724	420	28,9	28,5	

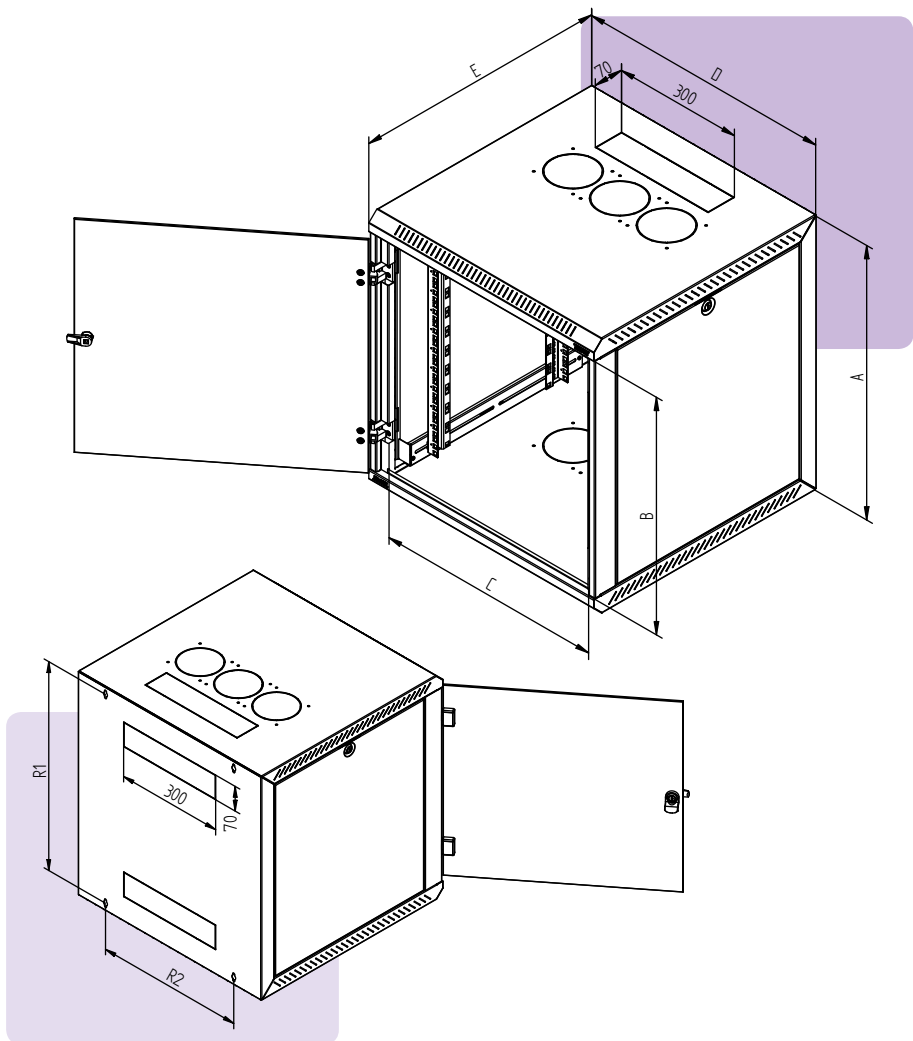
**REMOVABLE SIDE PANELS**

Removable side panels enables easy access to the installed devices from the side.



**VENTILATION**

The RUA type has 6 break-out blanking panels for the installation of ventilation units RAX-CH-X2x-X1 or fans RAX-CH-X07-X9 (up to 3 in top and 3 in bottom part of the cabinet). RUA therefore enables installation of devices that in the past could not be cooled sufficiently in wall-mounted cabinets and had to be installed into free-standing cabinets only.





## RUA WALL-MOUNTED CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" one-sectioned wall-mounted cabinet with IP30 protection
- Removable side panels secured by locks.
- Cabinet is to be hanged right on the wall.
- Cabinet includes two pairs of sliding vertical rails.
- Cabinet construction:
  - Welded frame with removable side panels secured by locks
  - Safety hardened glass door, thickness 4 mm. On demand may be metal or perforated.
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet.
- There are several openings in the top and bottom part of the cabinet which allow to install ventilation units and which are covered with break-out blanking panels.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor and adjust any differences using the levelling feet.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 01.446.747/10/07/02/0, date 25. 3. 2010 and is fully in accordance with ČSN EN 62208, ČSN 731401+Z1 a Z2, ČSN 730035.



**NEW**

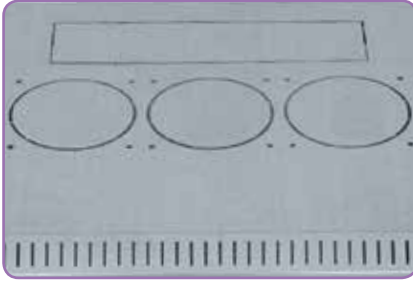


RUA Light

## **RUA Light** ▶

Riveted cabinet with removable sides, made of galvanized sheet, IP 30, capacity 25kg if properly mounted.





#### ■ VENTILATION

The RUA type has 6 break-out blanking panels for the installation of ventilation units RAX-CH-X2x-X1 or fans RAX-CH-X07-X9 (up to 3 in top and 3 in bottom part of the cabinet). RUA therefore enables installation of devices that in the past could not be cooled sufficiently in wall-mounted cabinets and had to be installed into free-standing cabinets only.



#### ■ ADJUSTABLE VERTICAL RAILS

1 pair of vertical rails, fluently adjustable in any depth of cabinet. This simplifies mounting of the device and organisation of connecting cables.



#### ■ LOADING CAPACITY 25 kg

Loading capacity 25kg, if properly mounted.



#### ■ REMOVEABLE SIDES

Removable sides allow easy access from sides to installed devices. There are locks attached to a frame, with the same key as a front door lock in a standard version.

#### ■ BREAKOUT-TYPE BLANKING PANELS

Cable openings covered with breakout-type blanking panels are ready in the top, bottom and rear part of the cabinet. Use a plastic frame and a blanking panel with a brush, that are parts of the cabinet supply, to seal the cabinet opening against dust penetration.



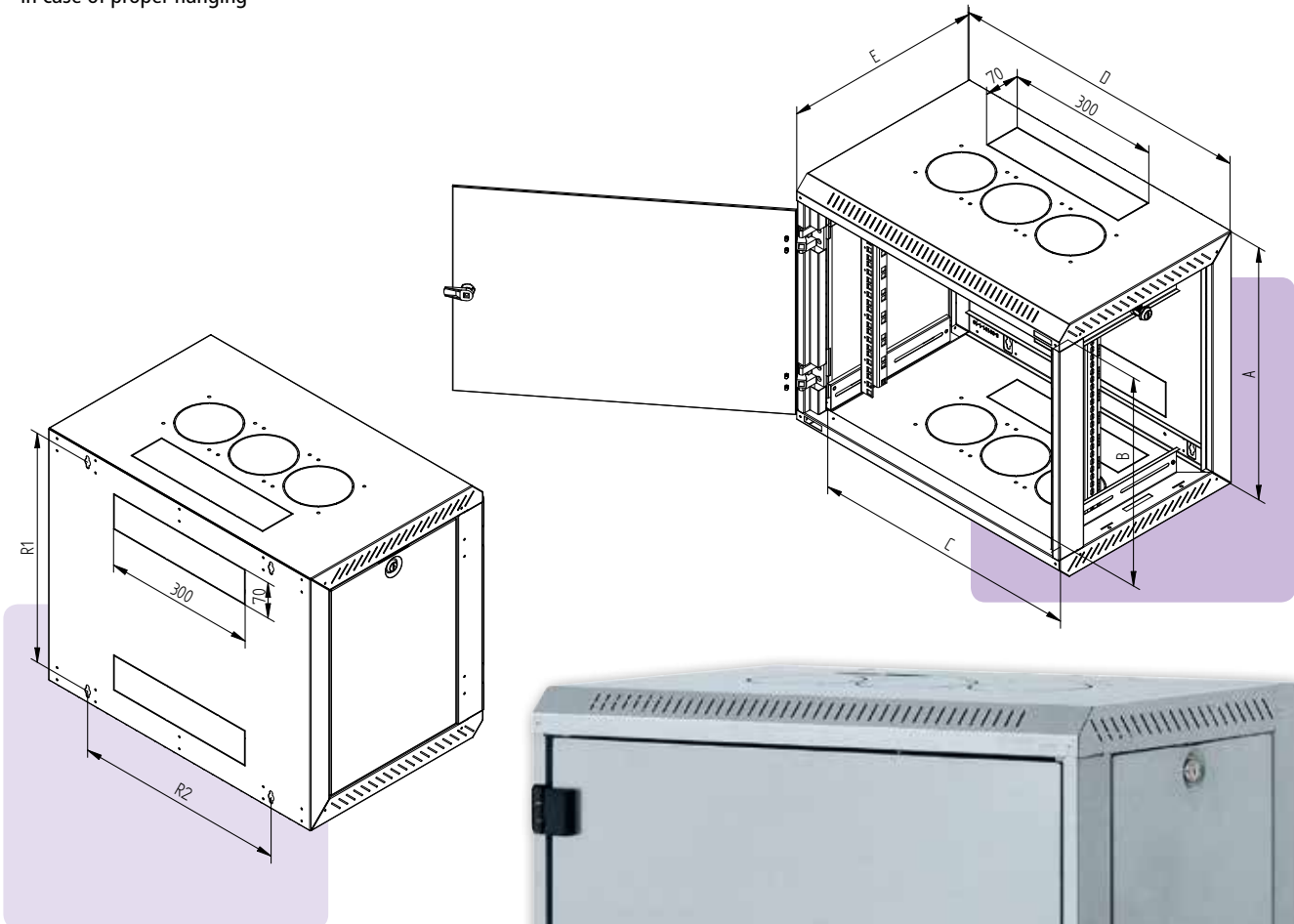
## RUA LIGHT - AS4

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RUA-04-AS4-ZAX-A1	280	175	530	600	395	234	420	8,9	8,2	25*
RUA-06-AS4-ZAX-A1	370	265	530	600	395	324	420	9,8	9,1	
RUA-09-AS4-ZAX-A1	500	395	530	600	395	454	420	11,9	11,2	
RUA-12-AS4-ZAX-A1	635	530	530	600	395	589	420	14,1	13,4	
RUA-15-AS4-ZAX-A1	770	665	530	600	395	724	420	16,4	15,6	
RUA-18-AS4-ZAX-A1	900	795	530	600	395	854	420	18,5	17,7	

## RUA LIGHT - AS5

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RUA-06-AS5-ZAX-A1	370	265	530	600	495	324	420	11,4	10,8	25*
RUA-09-AS5-ZAX-A1	500	395	530	600	495	454	420	14,3	13,5	
RUA-12-AS5-ZAX-A1	635	530	530	600	495	589	420	16,7	15,9	
RUA-15-AS5-ZAX-A1	770	665	530	600	495	724	420	19,2	18,4	
RUA-18-AS5-ZAX-A1	900	795	530	600	495	854	420	21,8	21,0	

\* in case of proper hanging



### ■ DOOR

The cabinet has fully glass door in standard. It can be steel or perforated if required



## RUA LIGHT WALL-MOUNTED CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" one-sectioned wall-mounted cabinet with IP30 protection
- Removable side panels secured by locks.
- Cabinet is to be hanged right on the wall.
- Cabinet includes two sliding vertical rails.
- Cabinet construction:
  - Riveted frame with removable sides secured by locks.
  - Safety hardened glass door, thickness 4 mm. On demand may be metal or perforated.
- Max. permissible load of the door is 5 kg.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- There is screw M5 as a main grounding point placed at the back of the cabinet.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet.
- There are several openings in the top and bottom part of the cabinet which allow to install ventilation units and which are covered with break-out blanking panels.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Device installation that can influence negatively operation and function of the cabinet or the installed equipment
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- This type of cabinet is to be hanged on the wall using screws, dowels and washers (part of a supply). Spacing of holes designed for hanging is shown in the scheme („R”).
- To secure the maximum recommended load, it is necessary to fix the cabinet on the wall with an appropriate carrying capacity (brick, concrete or similar) and to distribute the installed loading equally.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame (both are included in the delivery).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed.2:2012.

**RXA** >

Flat-pack cabinet delivered disassembled.  
IP30, capacity 25 kg





**FLAT-PACK CONCEPTION**

Reduces cost of transportation and storage. Together with a unique construction, it contributes to the attractive price while keeping all functional characteristics.



**FLEXIBLE DOOR OPENING**

The hinge system allows convenient access.



**DOOR LOCK**

Locks safely the cabinet and protects the installed devices.

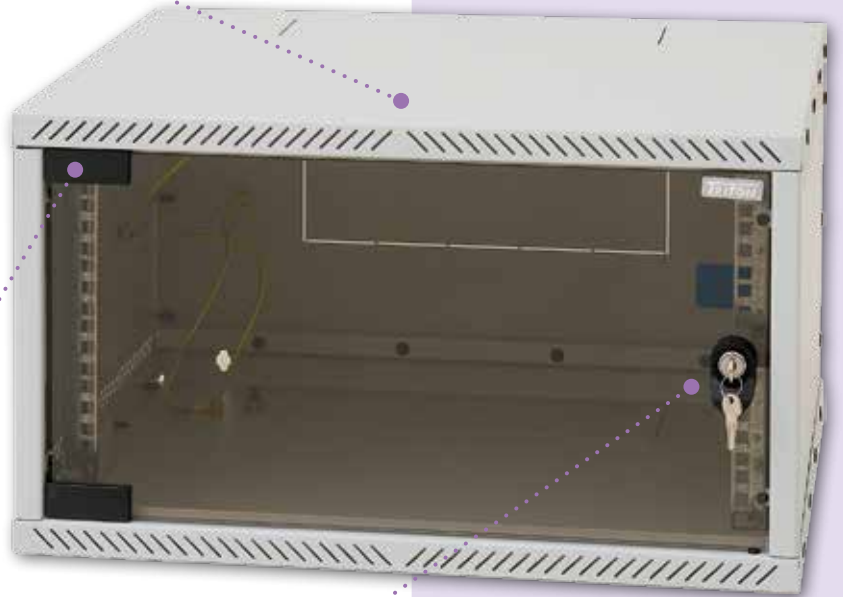


**ADJUSTABLE VERTICAL RAILS**

One pair of vertical 19" rails is step-adjustable in the front cabinet part. This simplifies mounting of the device and organisation of connecting cables.

**DOOR**

These cabinets are supplied only with a glass door with a lock.



**BREAKOUT-TYPE BLANKING PANELS**

Cable openings covered with breakout-type blanking panels are ready in the top, bottom and rear part of the cabinet.

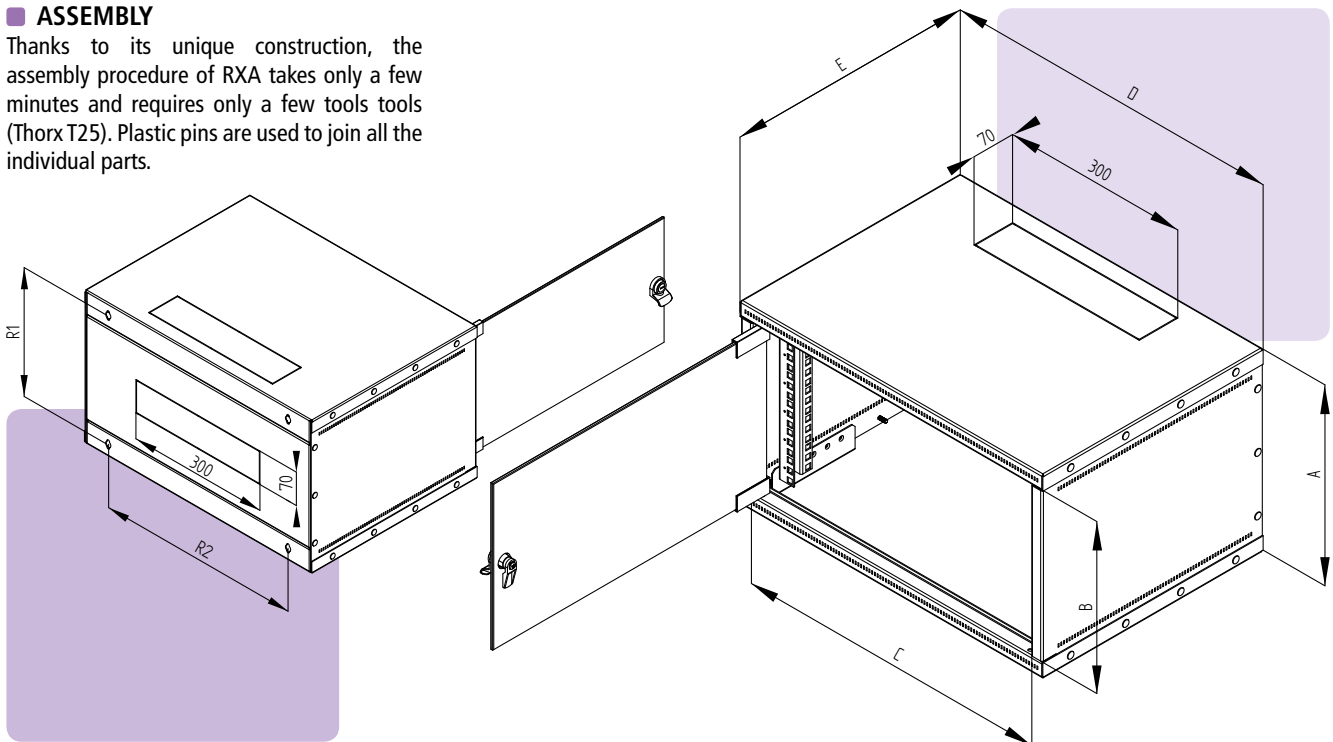
## RXA (DELTA X AS4)

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RXA-04-AS4-CAX-A1	230	180	505	550	400	180	435	11,4	11,2	25
RXA-06-AS4-CAX-A1	320	270	505	550	400	270	435	13,6	13,3	
RXA-09-AS4-CAX-A1	463	412	505	550	400	412	435	17,4	17,1	
RXA-12-AS4-CAX-A1	580	530	505	550	400	530	435	19,7	19,4	



### ASSEMBLY

Thanks to its unique construction, the assembly procedure of RXA takes only a few minutes and requires only a few tools (Thorx T25). Plastic pins are used to join all the individual parts.





## RXA WALL-MOUNTED CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- Ready to assemble 19" wall mounted cabinet with IP30 protection, supplied disassembled
- Cabinet is to be hanged right on the wall.
- Cabinet includes two adjustable vertical rails.
- Cabinet construction:
  - Cabinet is made from parts joined by plastic pins
  - Glass door: safety hardened glass, thickness 4 mm
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- All parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- It is necessary to assemble all single cabinet parts and to join them with delivered plastic pins. See the enclosed manual for the detailed assembly procedure.
- This type of cabinet is to be hanged right on the wall using screws, wall plugs and washers. Spacing of mounting holes is indicated as „R“ in the cabinet scheme.
- To secure the maximum recommended load, it is necessary to fix the cabinet on the wall with an appropriate carrying capacity (brick, concrete or similar) and to distribute the installed loading equally.
- To avoid dust penetration in the case where cables lead through some of the cable openings, it may be sealed with a blanking panel with a brush or secured by a plastic frame.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is certified by ITI TÜV, certification number 01.064.846/09/07/02/0, date 10/12/2009 and is fully in accordance with ČSN EN 62208, ČSN 731401+Z1 a Z2, ČSN 730035.

RKA - 10"/19"



## RKA - 10"/19"

Welded 10" or 19" cabinet.  
IP30, capacity 20 kg





**RIGID CONSTRUCTION**

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



**FLEXIBLE DOOR OPENING**

The hinge system allows convenient access.



**DOOR LOCK**

Locks safely the cabinet and protects the installed devices.



**ADJUSTABLE ASSEMBLY FRAME**

The installation 10"/19" frame can be adjusted within the inside of the cabinet and can be fitted into pre-arranged positions.

**DOOR**

The cabinet has fully glass door in standard. It can be steel or perforated if required.



**BREAKOUT-TYPE BLANKING PANELS**

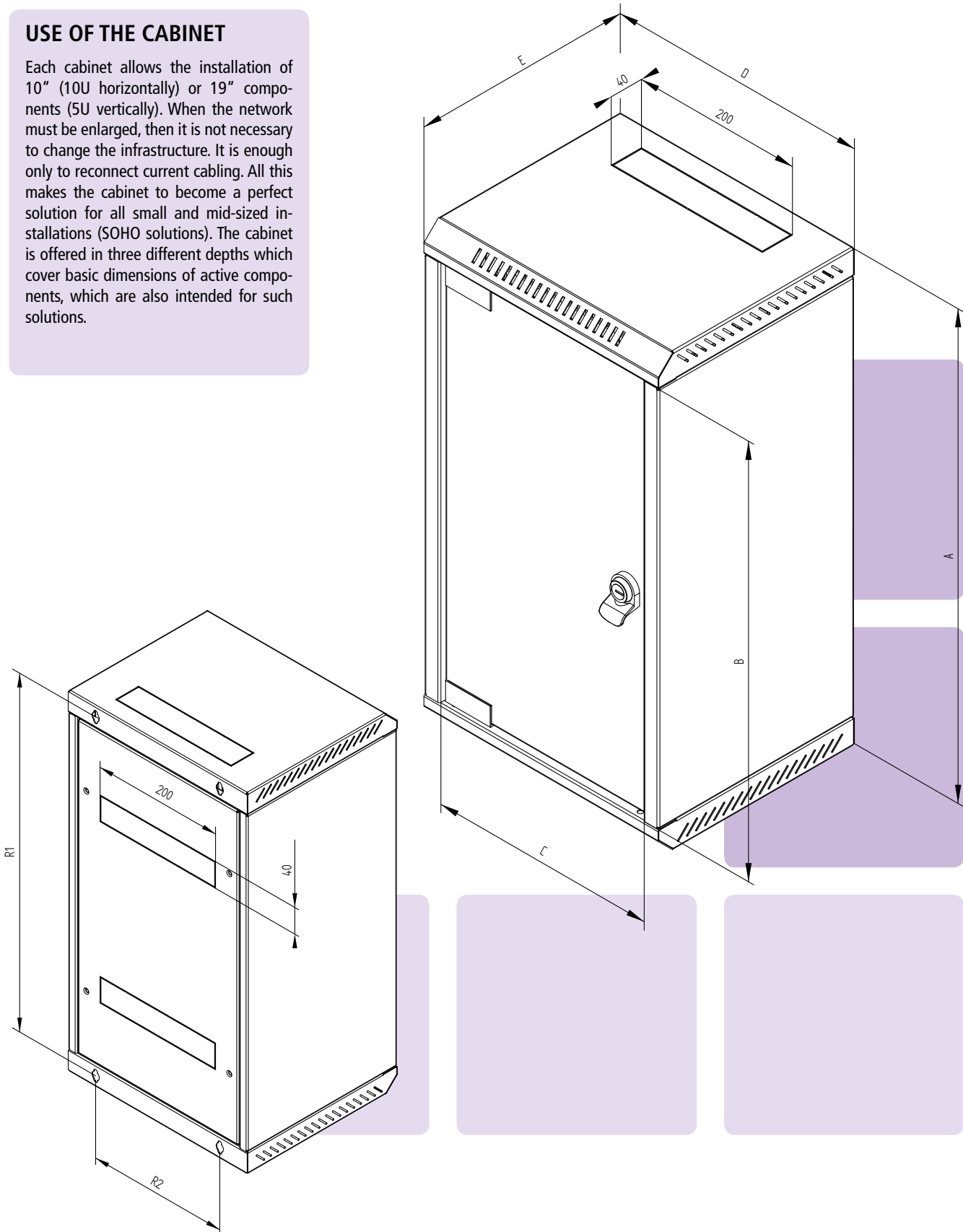
Cable openings covered with breakout-type blanking panels are located at the top, bottom and rear part of the cabinet.

## RKA 10"/19"

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RKA-10-AS3-CAX-X1	570	505	270	310	260	538	212	9,3	9,0	20
RKA-10-AS4-CAX-X1	570	505	270	310	360	538	212	11,0	10,7	
RKA-10-AS5-CAX-X1	570	505	270	310	460	538	212	12,6	12,3	

### USE OF THE CABINET

Each cabinet allows the installation of 10" (10U horizontally) or 19" components (5U vertically). When the network must be enlarged, then it is not necessary to change the infrastructure. It is enough only to reconnect current cabling. All this makes the cabinet to become a perfect solution for all small and mid-sized installations (SOHO solutions). The cabinet is offered in three different depths which cover basic dimensions of active components, which are also intended for such solutions.





## RKA WALL-MOUNTED CABINET – 10"/19"

### ■ DESCRIPTION, PURPOSE OF USE

- 10" / 19" wall mounted cabinet with IP30 protection
- Cabinet is to be hanged right on the wall.
- Cabinet includes adjustable frame for device installation.
- Cabinet construction:
  - Compact welded cabinet
  - Safety hardened glass door, thickness 4 mm. On demand may be metal or perforated.
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- All parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed at the side wall of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- This type of cabinet is to be hanged right on the wall using screws, wall plugs and washers. Spacing of mounting holes is indicated as „R" in the cabinet scheme.
- To secure the maximum recommended load, it is necessary to fix the cabinet on the wall with an appropriate carrying capacity (brick, concrete or similar) and to distribute the installed loading equally.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.



RBA - 10"



## RBA - 10"

Cabinet for small office/home office network (SOHO).  
IP30, capacity 20 kg





**RIGID CONSTRUCTION**

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



**FLEXIBLE DOOR OPENING**

The hinge system allows convenient access.



**DOOR LOCK**

Locks safely the cabinet and protects the installed devices.



**ADJUSTABLE VERTICAL RAILS**

10" rails are adjustably attached to the cabinet construction in predefined positions.

**DOOR**

The cabinet has fully glass door in standard. It can be steel or perforated if required.



**BREAKOUT-TYPE BLANKING PANELS**

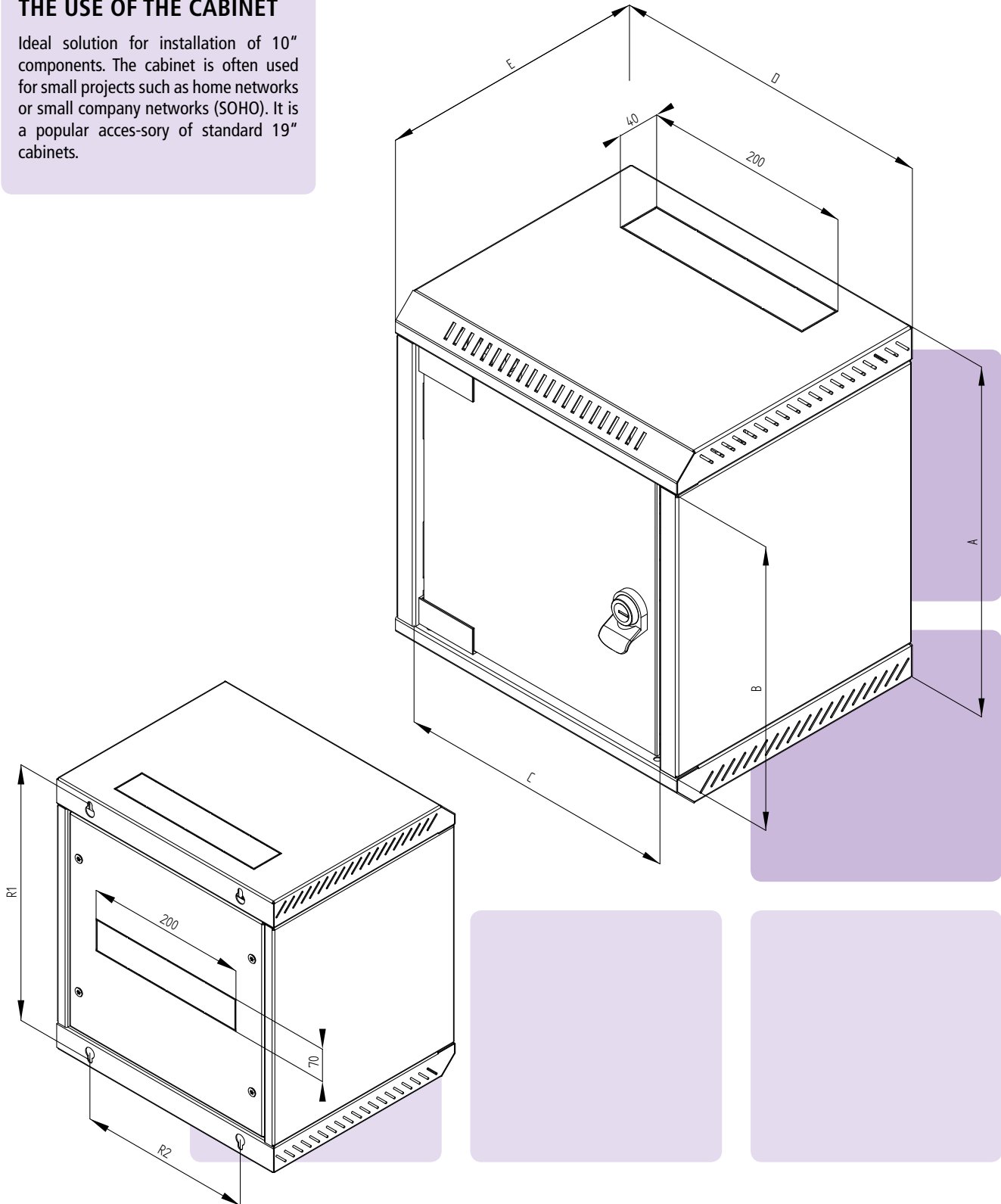
Cable openings covered with breakout-type blanking panels are located in the top, bottom and rear part of the cabinet.

## RBA (DELTA 10")

TYPE	A	B	C	D	E	R1	R2	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)									
RBA-04-AS3-CAX-C1	248	169	255	310	260	212	212	5,5	5,4	20
RBA-06-AS3-CAX-C1	337	258	255	310	260	301	212	6,9	6,9	
RBA-09-AS3-CAX-C1	470	391	255	310	260	434	212	8,3	8,2	

### THE USE OF THE CABINET

Ideal solution for installation of 10" components. The cabinet is often used for small projects such as home networks or small company networks (SOHO). It is a popular accessory of standard 19" cabinets.





## RBA – 10" WALL-MOUNTED CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 10" wall-mounted cabinet with IP30 protection
- Cabinet is to be hanged right on the wall.
- Cabinet includes two adjustable vertical rails.
- Cabinet construction:
  - Compact welded cabinet
  - Safety hardened glass door, thickness 4 mm. On demand may be metal or perforated.
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- This type of cabinet is to be hanged right on the wall using screws, wall plugs and washers (included in the supply). Spacing of mounting holes is showed and indicated as „R" in the cabinet scheme.
- To secure the maximum recommended load, it is necessary to fix the cabinet on the wall with an appropriate carrying capacity (brick, concrete or similar) and to distribute the installed loading equally.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 06.140.500/r1, date 03/01/2013 and is fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011).





**Special Cabinets**







## SPECIAL CABINETS – OVERVIEW



### RCA

Under desk cabinet.  
IP30, capacity 200 kg

135



### RFA

Wall-mounting server cabinet.  
IP20, capacity 50 kg

139



### Swing

Free-standing cabinet with folding frame.  
IP20, capacity 300 kg

143



### SGA, SHA

Hybrid cabinet – data and power supply panels.  
IP20, capacity 30 kg

147



### RNA

data module of hybrid cabinets,  
IP30 / IK05

151



### SNA

power module of hybrid cabinets  
for home distribution systems, IP30 / IK06

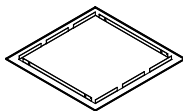
157



### SIF

Outside hybrid cabinet - for data and power distribution  
systems. IP 55, capacity 50 kg

163



### RNA, SNA - Accessories

Accessories for RNA and SNA cabinets

167



RCA



**RCA** >

Cabinet for consolidating office network infrastructure  
under a desk. IP30, capacity 200 kg



#### ■ RIGID CONSTRUCTION

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



#### ■ FLEXIBLE DOOR OPENING

The hinge system allows the door to open almost 180°. The door can be easily removed and re-mounted to change the direction of opening.



#### ■ DOOR LOCK

It enables an easy and quick access into the cabinet.



#### ■ ADJUSTABLE VERTICAL RAILS

Cabinet contains two pairs of freely adjustable 19" rails. Versions deeper than 800 mm are delivered with one additional pair of the middle vertical rails.



#### ■ CASTORS

This type of cabinet is installed on castors (included in delivery). Two of them are with a brake.



#### ■ BREAKOUT-TYPE BLANKING PANELS

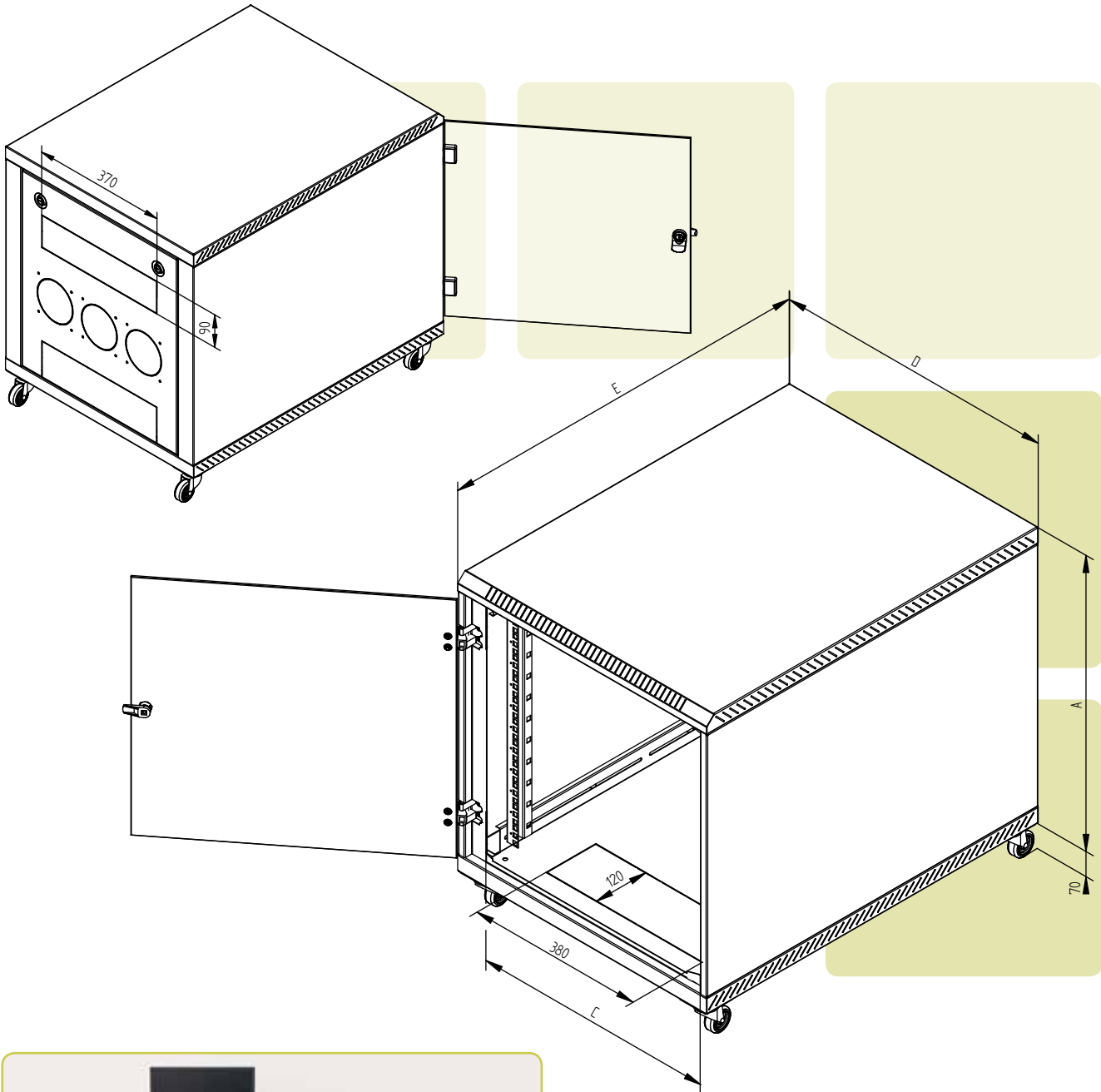
Cable openings covered with breakout-type blanking panels are located in the bottom and rear part of the cabinet.

#### ■ DOOR

The cabinet has fully glass door in standard. It can be steel or perforated if required.

## RCA (DELTA C)

TYPE	A	B	C	D	E	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
	(mm)							
RCA-12-A68-CAX-A1	620	515	490	600	800	48,0	40,1	200
RCA-12-A69-CAX-A1	620	515	490	600	900	53,2	43,4	
RCA-12-A61-CAX-A1	620	515	490	600	1000	56,3	45,9	



### FAN UNIT INSTALLATION

On the back wall is the preparation in form of break-out openings for the installation of fan units RAX-CH-X2x-X1 or fans RAX-CH-X07-X9 for wall mounting cabinet to support cooling of installed equipment (see Active cooling).

### SUPPLY

Key for the front door ..... 2x  
 Castors without a brake ..... 2x  
 Castors with a brake ..... 2x





## RCA CONTAINER CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" container cabinet with IP30 protection
- Cabinet is intended to be placed on castors under a work desk.
- The cabinet includes two pairs of vertical rails (three pairs at cabinets deeper than 800 mm).
- Cabinet construction:
  - Compact welded cabinet
  - Safety hardened glass door, thickness 4 mm. On demand may be metal or perforated.
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the bottom side of the cabinet.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Device installation that can influence negatively operation and function of the cabinet or the installed equipment
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- This type of cabinet is installed on castors (included in supply). Two of them are with brake.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is certified with ITI TÜV, number of certificate 01.446.749/10/07/02/0, date 15. 4. 2010 and is fully in accordance with ČSN EN 62208, ČSN 731401+Z1 a Z2, ČSN 1991-1-1



RFA



**RFA** >

Allows installation of large equipment in a wall cabinet.  
IP20, capacity 50 kg



#### ■ FLEXIBLE DOOR OPENING

The hinge system allows the door to open almost 180°.



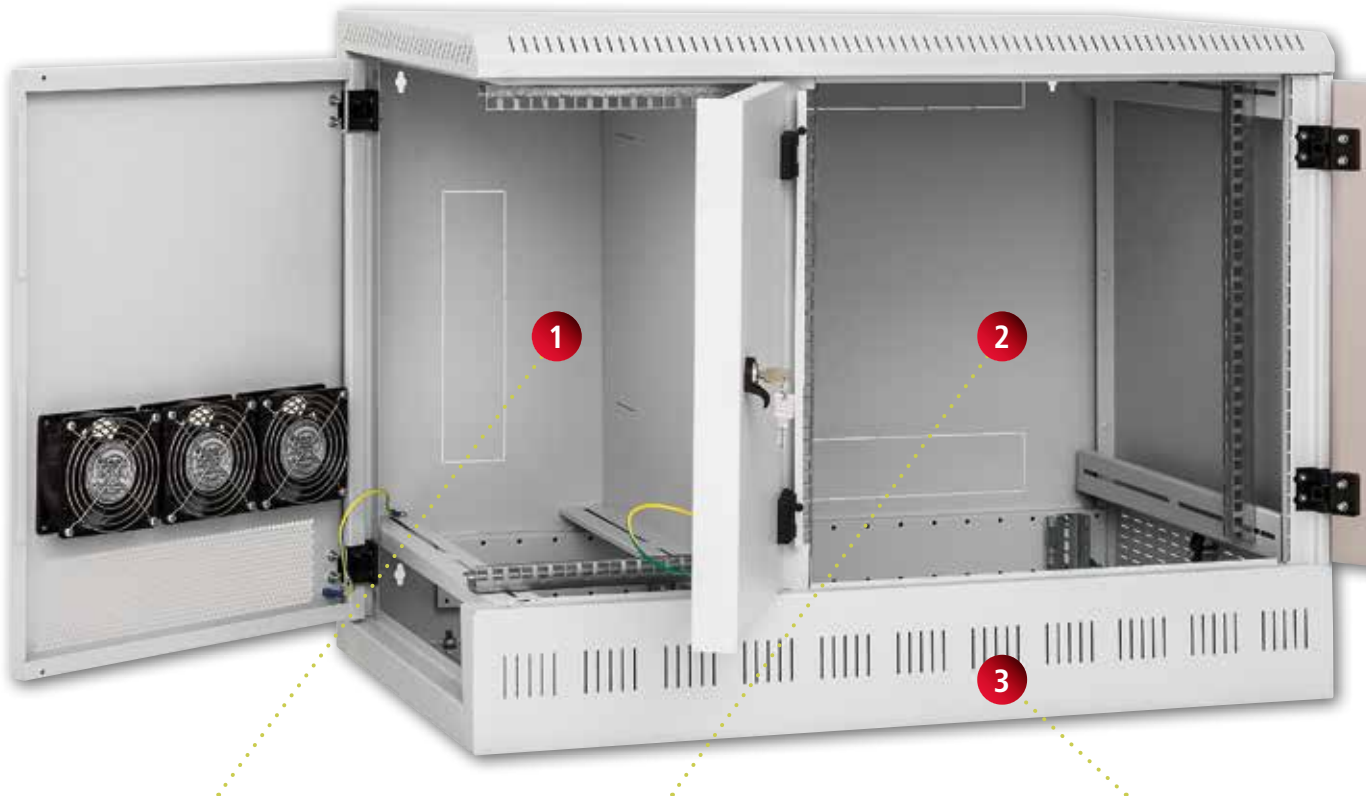
#### ■ ADJUSTABLE VERTICAL RAILS

One pair of vertical 19" rails is freely-adjustable within the cabinet depth. This simplifies mounting of the device and organisation of connecting cables.



#### ■ RIGID CONSTRUCTION

High quality workmanship and up-to-date technology ensure a perfect look of the cabinet.



#### 1<sup>st</sup> SECTION

The first section allows installation of 19" equipment with a maximum height of 6U and depth of 450 mm. The device is positioned vertically and 19" rails are infinitely adjustable over the full depth of the cabinet. On the back wall is cable entry as well as at the top and bottom of cabinet. Cable connection between sections allow the opening at central divider. All cable entries have break-out covers.

#### 2<sup>nd</sup> SECTION

The second section offers mounting width 19", height 12U and depth 450 mm. Mounting rails are infinitely adjustable within whole depth. This section is usually used for structured cabling and active elements of the network. Here are individual services connected to the work places. The recommended capacity is up to 48 work places (2 ports per work place according to standards).

#### 3<sup>rd</sup> SECTION

The third section occupy whole bottom area of the wall cabinet. There is space for a device with a maximum depth of 800 mm, width 19" and height depend the model of the cabinet from 2 to 7 Units. Access to this section is by a door on the right side of the cabinet. Beside the cabinet must be kept sufficient space for the device installation and maintenance.

### RFA

TYPE	A (mm)	Max server height	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
RFA-12-A95-CAX-A12	700	2U	39,0	38,4	50
RFA-12-A95-CAX-A13	745	3U	41,5	41,0	50
RFA-12-A95-CAX-A14	790	4U	43,5	43,0	50
RFA-12-A95-CAX-A15	835	5U	45,5	45,0	50
RFA-12-A95-CAX-A16	880	6U	47,5	47,0	50
RFA-12-A95-CAX-A17	925	7U	50,0	49,5	50



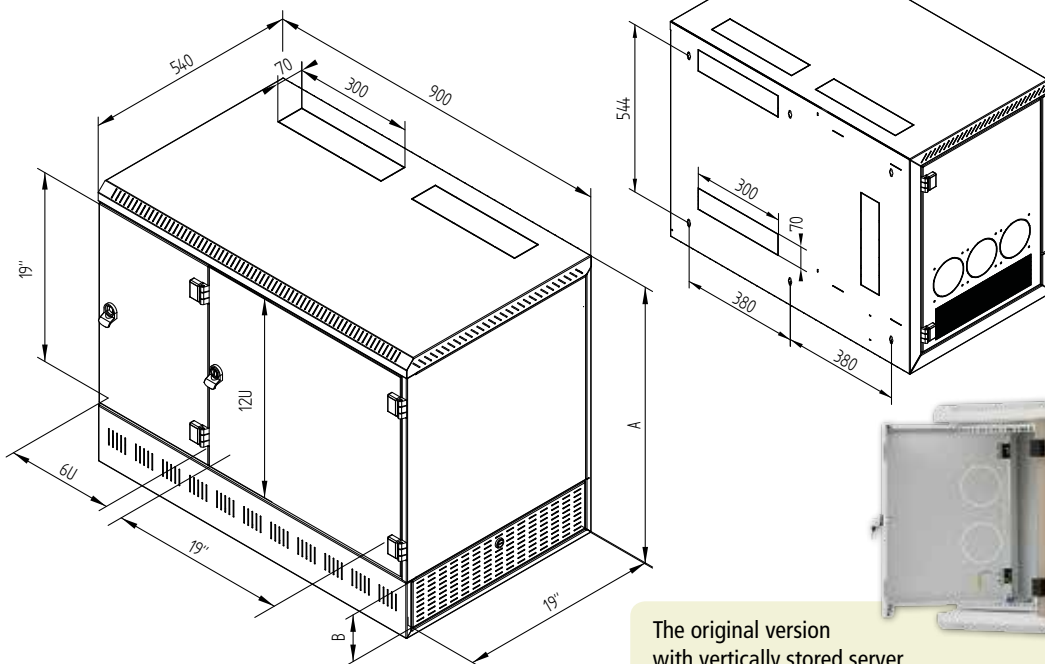
**■ BOTTOM SECTION FOR SERVERS**  
 19" section in the lower part of the cabinet is designed for installation of servers and other devices on sliding rails. It may have a capacity of 2 to 7 Unit. Each section of cabinet is closed by lock, on request with a unique key.



**■ SERVER INSTALLATION**  
 Rack-mount servers or similar devices with a depth of up to 800 mm are mounted into cabinet using special telescopic rails, which are specific to each device and are not part of the cabinet.



**■ COOLING OF INSTALLED EQUIPMENT**  
 Cooling by air flow through perforation of the frame and side door can be supported by installation of fans for wall-mounted cabinets (RAX-CH-X07-X9 see Active Cooling)



The original version with vertically stored server 2U is still available on request.





## RFA WALL-MOUNTED CABINET

### ■ DESCRIPTION, PURPOSE OF USE

- 19" wall-mounted cabinet with IP20 protection
- Three separate 19" sections
- Cabinet is to be hanged right on the wall.
- Cabinet includes two adjustable vertical rails in each section.
- Cabinet construction:
  - Welded frame
  - Doors - a combination for different sections: safety hardened glass, thickness 4 mm (can be fully metal or perforated) solid steel and perforated
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- Cabinets are intended for installation of data and telecommunication devices and their distribution systems.
- The frame of the cabinet and all the removable parts are connected with earthing cables that have to be properly fixed and inserted into connectors during all the time when using the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as an earthing main point.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet rear side, others are in the top and the bottom side of cabinet..
- Openings covered by break-out blanking panels, prepared for installation of cooling ventilators, are placed in the metal door of the first section.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabine

### ■ INSTALLATION OF THE CABINET

- Cabinet is to be hanged on the wall using the screws, dowels and washers (part of a supply). Spacing of holes designed for hanging is shown in the scheme.
- To secure the maximum recommended load, it is necessary to fix the cabinet on the wall with an appropriate carrying capacity (brick, concrete or similar) and to distribute the installed loading equally.
- To avoid dust penetration in a case where cables lead through some of the cable openings, you can seal it using a blanking panel with a brush or secure by plastic frame (both are part of the cabinet supply).

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.



Swing

## Swing >

Welded cabinet with swing frame developed for installation of audio and video equipment of all specifications. IP20, capacity 300 kg



#### ■ TRITON HANDLES

We manufacture our own handles for the free-standing cabinets. By changing the plastic module (not included), a traditional or semi-cylindrical lock insert can be used.  
PATENT: PUV 2013-27443



#### ■ FLEXIBLE FRAME OPENING

Swing frame opening system allows its opening angle of 135°. The maximum depth of the installed equipment is 400 mm.



#### ■ VENTILATION

The interior of the cabinet is effectively cooled by air flowing through two large perforated openings in the rear wall of the cabinet covered by filter. Triton ventilation unit, for which is prepared hole in the ceiling, is ready to further extend cooling.



#### ■ MAX LOAD 300 KG

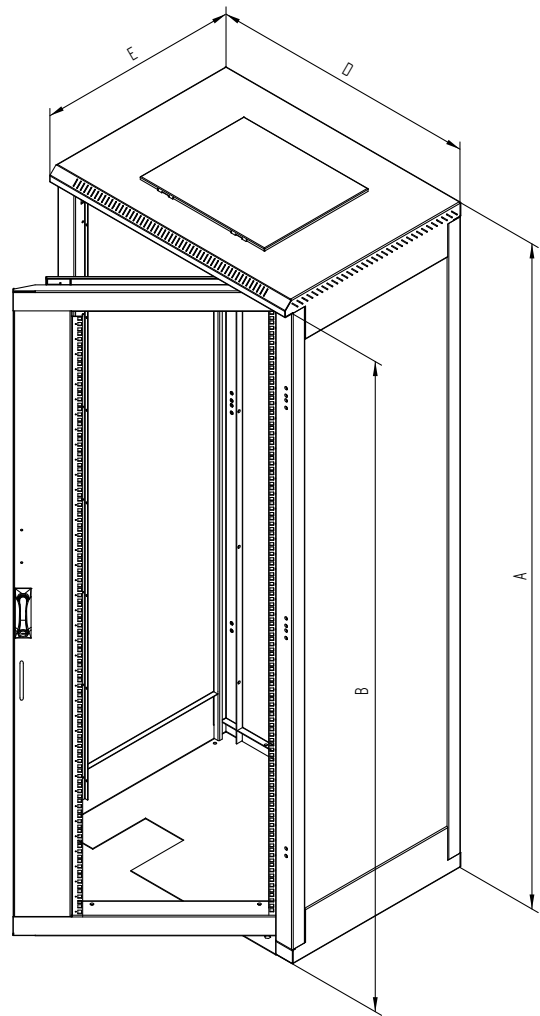
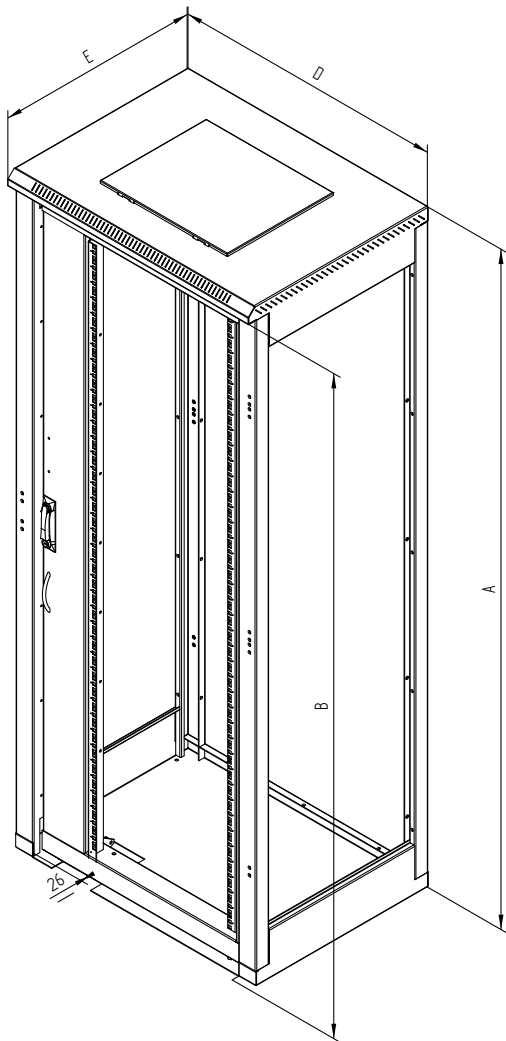
Swing frame can be loaded with up to 300 kg, thanks to heavy-duty wheel positioned against the rotation axis of the frame.



## DELTA S/800 x 600 with swing frame

TYPE	Usable height (U)	Height (mm)	Width (mm)	Depth (mm)	Frame opening	Type of vertical	Door
VDA-27-X86-CXX-A1	24	1300	800	600	right	L	without
VDA-27-B86-CAX-A1	24	1300	800	600	right	L	right
VCA-27-X86-CXX-A1	24	1300	800	600	left	L	without
VFA-27-X86-CXX-A1	24	1300	800	600	right	U	without
VFA-27-B86-CAX-A1	24	1300	800	600	right	U	right
VDA-32-X86-CXX-A1	30	1525	800	600	right	L	without
VDA-32-B86-CAX-A1	30	1525	800	600	right	L	right
VCA-32-X86-CXX-A1	30	1525	800	600	left	L	without
VFA-32-X86-CXX-A1	30	1525	800	600	right	U	without
VFA-32-B86-CAX-A1	30	1525	800	600	right	U	right
VDA-42-X86-CXX-A1	40	1970	800	600	right	L	without
VDA-42-B86-CAX-A1	40	1970	800	600	right	L	right
VCA-42-X86-CXX-A1	40	1970	800	600	left	L	without
VFA-42-X86-CXX-A1	40	1970	800	600	right	U	without
VFA-42-B86-CAX-A1	40	1970	800	600	right	U	right
VCA-42-A86-CAX-A1	40	1970	800	600	left	L	left

Other dimensions on demand.







## SWING - CABINET WITH SWING FRAME

### ■ DESCRIPTION, PURPOSE OF USE

- 19" free-standing cabinet with IP20 protection
- Cabinet construction:
  - Welded steel frame with removable side panels fixed by screws from inside of the cabinet. Above and below back panel are ventilation grids covered by filter.
  - 19" swing frame in front of the cabinet is supported by heavy-duty wheel, load capacity of the frame is 300 kg. Maximum depth of the device that can be installed in swing frame is 400 mm.
  - Single door in all metal versions, perforated (80 % air permeability) or glazed with safety tempered glass 4 mm can be only at the front of the cabinet.
  - Door and 19" swing frame has independent locking systems, on request with a different keys.
- Max. permissible load of the door is 10 kg.
- Min. thickness of the surface finish is 65 µm.
- The racks are designed for installation of data and telecommunication equipment and distribution systems, audio-video system or similar equipment.
- Frame of the cabinet and all detachable parts are connected by grounding cables that must be properly fitted and inserted into the connectors when using the cabinet.
- At the bottom of the rack is positioned as a screw M8 as major earthing point.
- As optional accessory is available mounting plate on the rear wall for installation technologies. Code on request.

### ■ OPERATING CONDITIONS

- Operating environment:
  - Office
  - The cabinet is not intended for outdoor installations and for installations in environment that can influence negatively the functionality of the cabinet and the mounted devices (e.g. environment with danger of explosion)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- To ensure the maximum recommended load, it is necessary to distribute the load equally.
- Place the cabinet on a flat floor with hard surface suitable for wheel utilization.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed 2:2012.

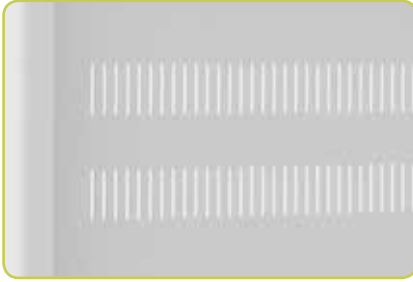


SGA, SHA



## SGA, SHA >

Hybrid cabinets for home data and power distribution systems.  
IP 20, loading capacity 30 kg.



**COOLING**

The cabinet interior is cooled by ventilation perforations in the cabinet door.



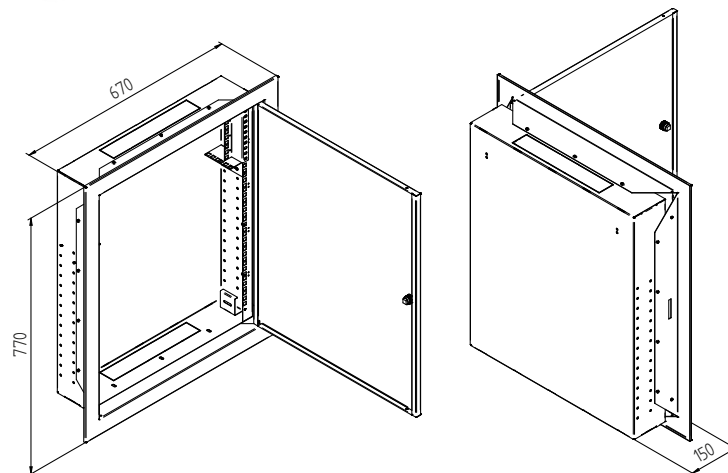
**EARTHING**

Made according to relevant standards.



**DOOR LOCK**

Double bit and other lock options ensure that the cabinet is securely locked.



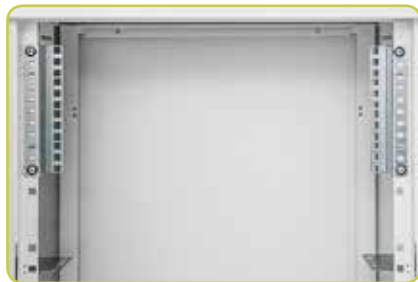
**SGA - UNDER PLASTER**

TYPE	Number of positions for vertical mounting	Number of positions for horizontal mounting	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
SGA-077067015-XCD	4U	2U	15,7	15,4	30



#### ■ VERTICAL MOUNTING

The top half of the cabinet is fitted with sliding mounting brackets for 19" patch panels or a fuse trough.



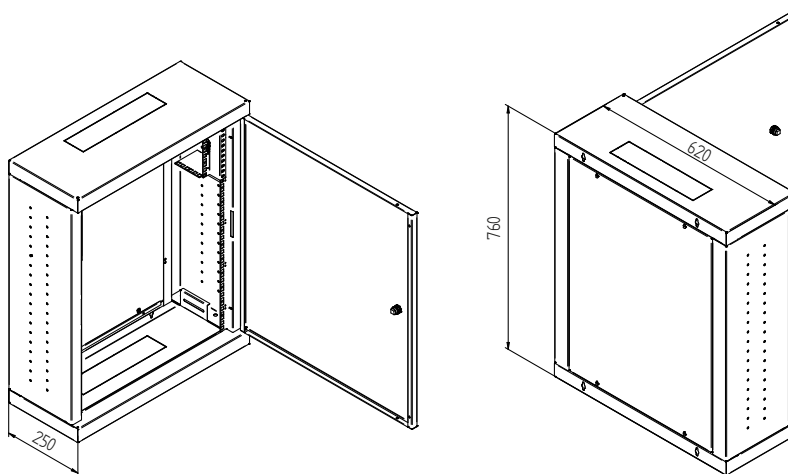
#### ■ HORIZONTAL MOUNTING

Brackets are attached on the lower part of the cabinet for 19" equipment.



#### ■ BREAK-OUT PANELS

The top and bottom of the cabinet are fitted with wiring inputs covered with break-out panels.



### SHA - ON WALL

TYPE	Number of positions for vertical mounting	Number of positions for horizontal mounting	Weight gross (kg)	Weight net (kg)	Maximum recommended load (kg)
SHA-076062025-XCD	4U	2U	20,0	19,1	30





## SGA AND SHA HYBRID CABINETS

### ■ DESCRIPTION, PURPOSE OF USE

- Hybrid wall cabinet with IP 20/ IK 07 protection.
- The cabinet is hung directly on the wall (SHA); another option is the SGA, installed in a prepared space under the plaster.
- The cabinets include two pairs of step-adjustable brackets with 19" spacing.
- Cabinet construction:
  - welded frame from 1 mm thick sheet steel
  - all steel door of 1 mm thickness with foam seals around the edge
  - The cabinet door is connected to the frame by an earthing cable, which must be properly secured and inserted into the connectors for the entire duration of the cabinet's use.
- There is an M8 screw on the bottom of the cabinet which serves as a central earthing point.
- Break-out caps in the upper and lower parts of the cabinet.
- Maximum permissible load – cabinets: 30 kg; door: 4 kg.
- Min. thickness of the surface finish is 65 µm.
- These cabinets are intended for the use of data and telecommunication equipment and their distribution and power supply systems.
- The frame of the cabinet and all removable parts are connected by earthing cables which must be properly secured and inserted into connectors during the entire time that the cabinet is in use.

### ■ OPERATING CONDITIONS

- Operating environment:
  - industrial, institutional or in private residences
  - cabinets are not intended for outdoor installation or installation in environments which could adversely affect the functionality of the cabinet and the equipment installed in it (such as an environment where there is a danger of explosions or a damp or humid environment)
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load)
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- The wall version of this type of cabinet (SHA) is hung directly on the wall with screws, anchors and washers (included).
- The under plaster version (SGA) is fitted into the prepared opening in the wall using standard construction methods.
- To ensure the maximum recommended load, it is necessary to fix the cabinet to the wall with an appropriate loading capacity (brick, concrete or similar) and that the load installed in the cabinet is evenly distributed.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed. 2 (357040), (EN 62208:2011), (idt IEC 62208:2011).



**NEW**



RNA

000001100100011110

## **RNA - hybrid cabinet**

Data module of hybrid cabinets  
for home distribution systems. IP 20 / IK 05



#### ■ SWING SIDE PANELS

Side panels on both sides of the cabinet are folded for easy installation of mounted components. All removable and rotating parts are connected according to the standard.



#### ■ DATA DISTRIBUTION

For the installation of data and communication distribution are prepared Keystone Standard modules in which easily fit any cables.



#### ■ POWER SUPPLY

On the opposite side of the data distribution system is preparation for the installation of the power system 230 V. According to the size of the cabinet there is a prepared opening for mounting classic sockets (with protective plastic box) and 1 or 10" 1U mounting opening extended for the possibility to install up to three common sockets.

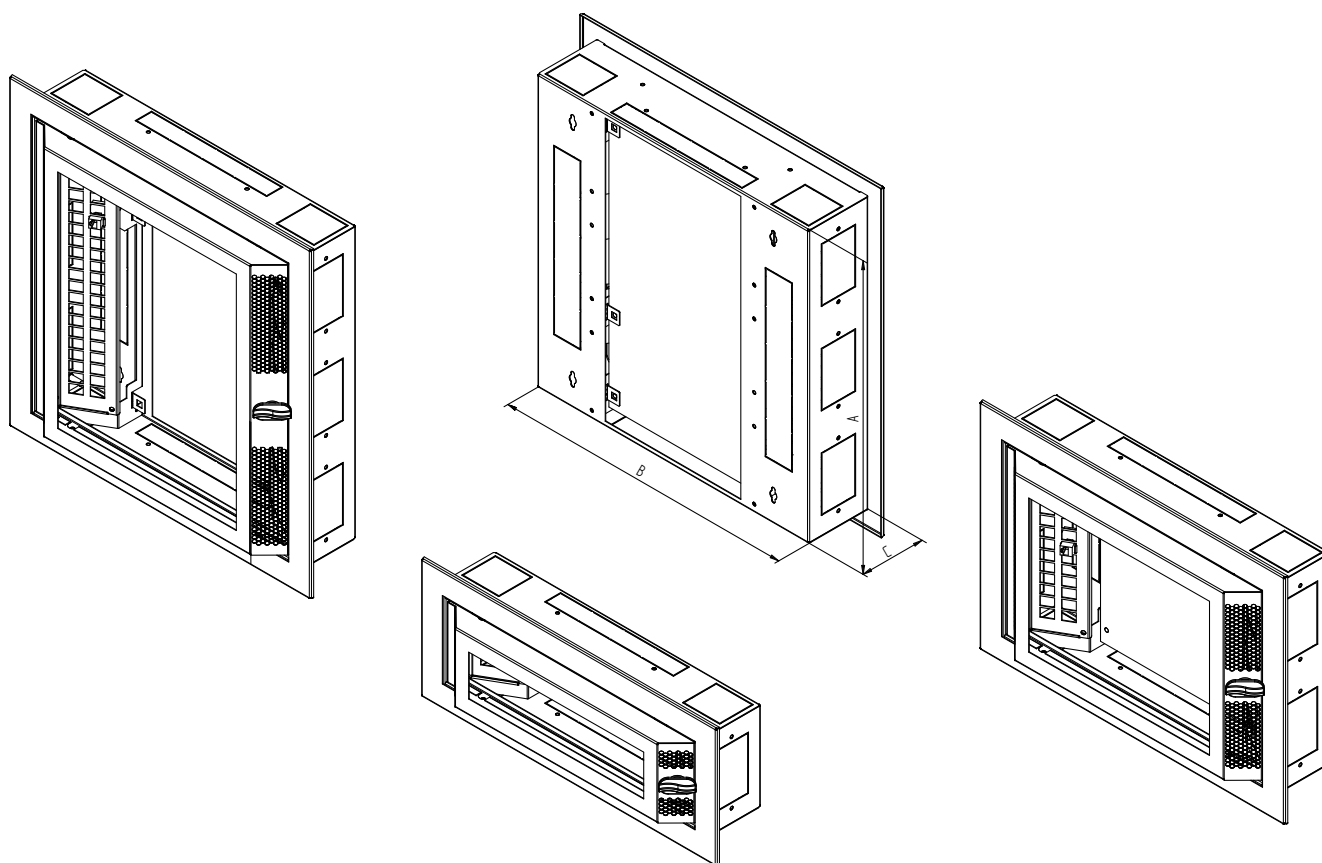
#### ■ DOOR CONSTRUCTION

Plastic door panels and the entire structure support installation of WiFi devices.



Data cabinet is designed to accomplish all home cable distribution and installation of active elements. It is possible here to connect Internet, TV and satellite distribution systems, audio, as well as traditional telephone and ADSL connections.

Cable entries on the top, bottom and both sides of the cabinet allow it's mounting into larger assemblies with other cabinets of this series including power distribution cabinets. The doors of the cabinet are raised upward to ensure the necessary bending radius of the cables, including fiber cables. Perforation on the sides helps cooling of installed active elements. Installation of equipment with self-tapping screws on the inner plastic plate is quick and easy. Cabinets are supplied in modular height where one module occupies 166 mm. Power distribution cabinets of this series are in these modules as well. Width and depth of the cabinet is the same for all heights. The cabinet is universal for mounting on the wall or under the wall plaster. For installation in a recess in the wall is available a cover frame. **Thanks to the modularity can be used for example 2 modules high data part and 1 module electro, all covered with 3 modular frame.**



## RNA

TYPE	Outer sizes (mm)			Span for hanging		Number of modules	10" mounting opening for sockets	Opening for sockets	Weight brutto (kg)	Weight netto (kg)
	A	B	C	R1	R2					
RNA-01-A51-YXX-X1	166	500	110	76	390	2 x 4	0	1	4,6	4,4
RNA-02-A51-YXX-X1	333	500	110	243	390	2 x 13	1	0	6,7	6,4
RNA-03-A51-YXX-X1	500	500	110	410	390	2 x 22	1	1	7	6,7

Recess for installation cabinet in the wall must be about 15-20 mm larger in each direction than the size of the cabinet.



#### ■ DATA DISTRIBUTIONS

There is a swing bearing panel with holes according to the most widely used Keystone Standard ready in the cabinet, for any data cabling termination - optical or metallic. All moving or detachable parts of the cabinet are interconnected according to standard.



#### ■ SLIDE LOCK

The door of the cabinet are secured with a plastic slide lock which closes them securely against spontaneous and accidental opening and also allows easy operation of installed equipment.



#### ■ POWER SUPPLY

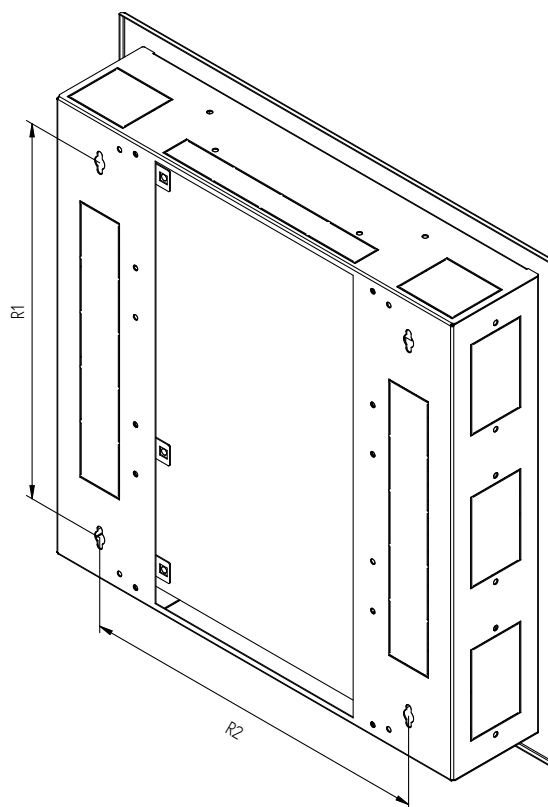
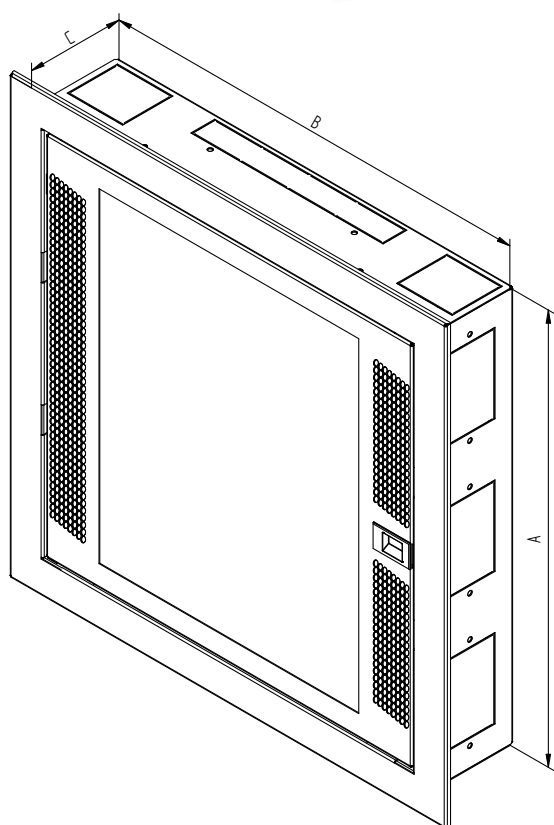
For mounting power distributions of 230 V, there is a separable panel available in every cabinet. This separable panel is designed for installation of classic sockets with protective plastic box. In larger cabinets it is possible to install even 10" distribution panel. In the flat door version it is only possible to use sockets called Legrand size - with the frontal panel size 45 x 45 mm.



#### ■ FLAT DOOR VERSION CABINET

Data cabinet RNA with the flat door (version -X2 in the end of the code) was developed for installation in places, where it is not possible to profit from the benefits of standard model of this cabinet. The total depth of this modified cabinet, including door, reaches only 110 mm. But using flat door brings some restrictions. The holder of the keystone for fitting data distributions is positioned upright to the plastic mounting plate, so the cables are interfering more to the space which is designed for installation active elements. Also, part which is specified (designed) for power supply distribution is different from the basic model. Because of the space restriction it is only possible to use sockets with the outside sizes 45 x 45 mm (called Legrand standard) and the sockets are mounted on removable mounting panel. The possibility of using 10" power panel with the RNA-02 and RNA-03 types remained unchanged, as well as other properties of the basic version cabinet (mounting on/under the plaster, modularity etc.). The space for installation of the cartridge for optical welds in the space behind the plastic mounting plate meets the requirements of the relevant standards for the home installation.





## RNA

TYPE	Outer sizes (mm)			Span for hanging		Number of modules	10" mounting opening for sockets	Opening for sockets	Weight brutto (kg)	Weight netto (kg)
	A	B	C	R1	R2					
RNA-01-A51-YXX-X2	166	500	110	76	390	2 x 4	0	1	4,6	4,4
RNA-02-A51-YXX-X2	333	500	110	243	390	2 x 13	1	0	6,7	6,4
RNA-03-A51-YXX-X2	500	500	110	410	390	2 x 22	1	1	7	6,7

Recess for installation cabinet in the wall must be about 15-20 mm larger in each direction than the size of the cabinet.



## DATA CABINET RNA

### ■ DESCRIPTION, PURPOSE OF USE

- IP 20 / IK 05
- Cabinet hangs directly on the wall or can be installed in a prepared recess in the wall.
- Cabinet is designed for individual assembly or with cabinet SNA.
- Multigate (cable openings) on the top, bottom and both side panels of the cabinet allow joining the cabinet into the larger sets with other cabinets of this series including an electrical cabinets SNA type.
- Cabinet construction:
  - welded frame from 1 mm thick sheet steel combined with plastic PEHD 8 mm.
  - frame door combined with steel of 1 mm thickness and plastic PP-H 1,5 mm.
- Cabinet doors have a frame connected by earthing wires which must be properly fixed and inserted into the connectors for the duration of the cabinet's use.
- On the bottom part of the cabinet is an M8 size earthing bolt.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom of the cabinets, as well as on the sides.
- Maximum permissible load – cabinet: 20 kg; door: 2 kg.

### ■ OPERATING CONDITIONS

- Operating environment:
  - houses, private residences
  - cabinets are not intended for outdoor installation or installation in environments which could adversely affect the functionality of the cabinet and the equipment installed in it (such as an environment where there is a danger of explosions or a damp or humid environment)
- Must be protected against:
  - physical damage
  - improper handling
  - other uses than the one it was intended for
- Improper handling means primarily:
  - overloading (exceeding the maximum recommended loading capacity)
  - installing equipment which could adversely affect the operation and functionality of the cabinet or other installed devices
  - interference with the construction or design of the cabinet

### ■ INSTALLATION OF THE CABINET

- This type of cabinet hangs directly on the wall, held in place by screws, anchors and washers.
- Can be also installed in a prepared recess in a wall using standard construction methods.
- To ensure the maximum recommended loading capacity, it is necessary to fix the cabinet securely to a wall of corresponding capacity (brick, concrete or similar) and to install all equipment inside in such a way as to evenly spread out the weight of the equipment.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product fully meets the standards of ČSN EN 62208 ed. 2 (357040), (EN 62208:2011), (idt IEC 62208:2011).



**NEW**



SNA

## **SNA - hybrid cabinet**

Power distribution module of hybrid cabinets  
for home distribution systems. IP 30 / IK 06



#### REMOVABLE DOOR

The system of hinges fixing allows easy dismantling of the door.



#### COVER FRAME

When using the possibility of installation in the recess in the wall there are available cover frames for the various combinations of sizes.



#### UNIQUE DESIGN OF THE DOOR

The structure of the cabinet is designed for minimum installation depth.



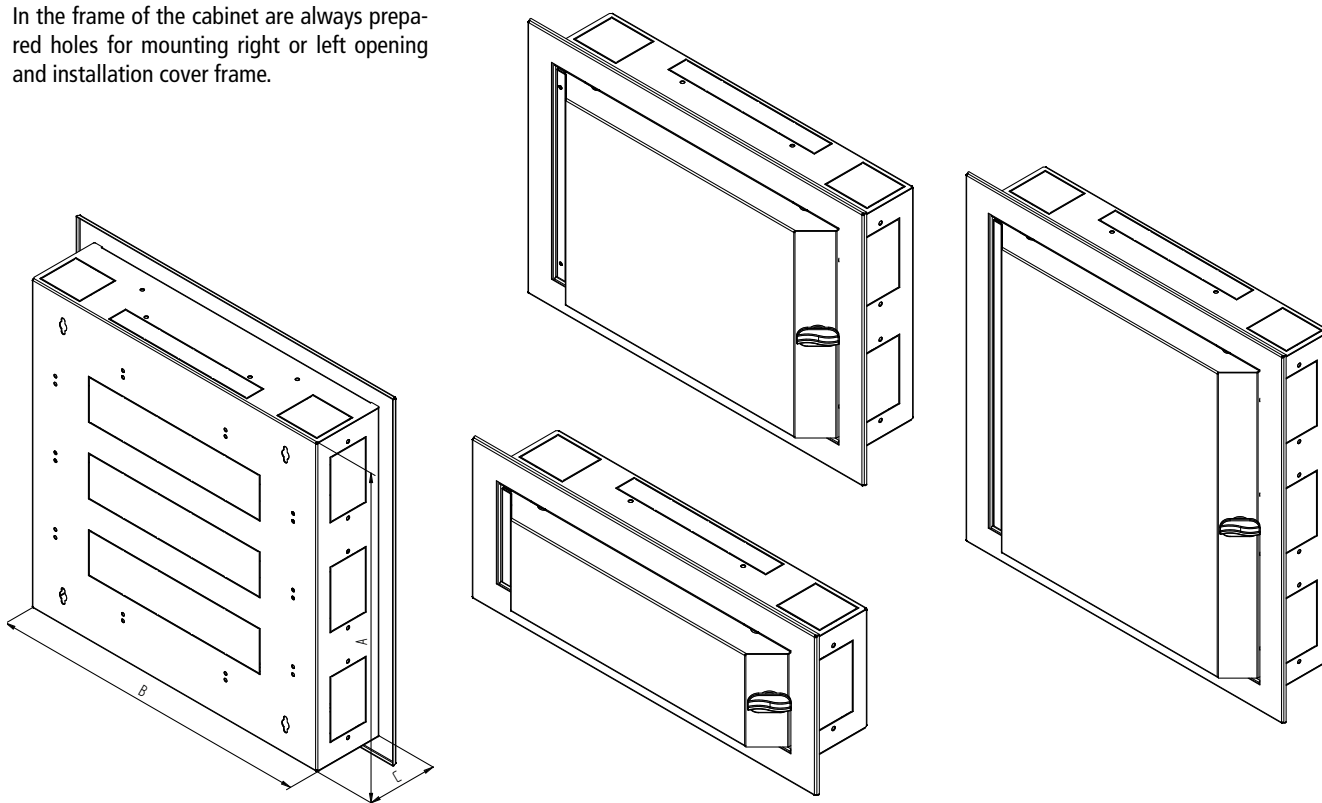
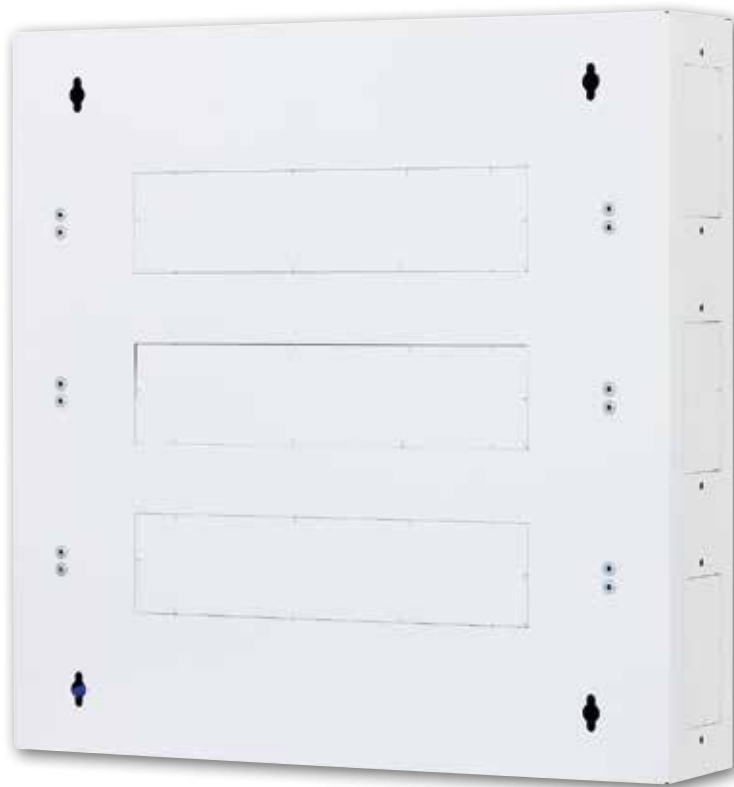
#### ■ TERMINAL BLOCK PE + N

Part of the cabinets are terminal block for connecting the PE and N wires and screw for main grounding point.



#### ■ MOUNTING VARIABILITY

In the frame of the cabinet are always prepared holes for mounting right or left opening and installation cover frame.



### SNA

TYPE	Outer sizes (mm)			Span for hanging		Number of modules	Heat Dissipation [W]*	Weight brutto (kg)	Weight netto (kg)
	A	B	C	R1	R2				
SNA-01-C51-YXX-X1	166	500	110	76	390	1 x 22	25	4,6	4,4
SNA-02-C51-YXX-X1	333	500	110	243	390	2 x 22	41	6,7	6,4
SNA-03-C51-YXX-X1	500	500	110	410	390	3 x 22	58	7	6,7

Recess for installation cabinet in the wall must be about 15-20 mm larger in each direction than the size of the cabinet.

\* Scattering of thermal energy is set by calculation according IEC 890+A1 for: cabinet by its back to the wall, without fan openings, without horizontal bulkhead, warming up to 20 K in 3/4 height of the cover.





#### ■ SLIDE LOCK

Plastic slide lock meets the requirement of easy opening the power cabinet, does not protrude in front of the cabinet and protects the cabinet against accidental opening.



#### ■ FLAT DOOR

The -X2 version cabinet has a flat door which are not protruding in front of the skeleton of the cabinet. It is easy to change the door's opening side or demount them completely for a comfort installation.

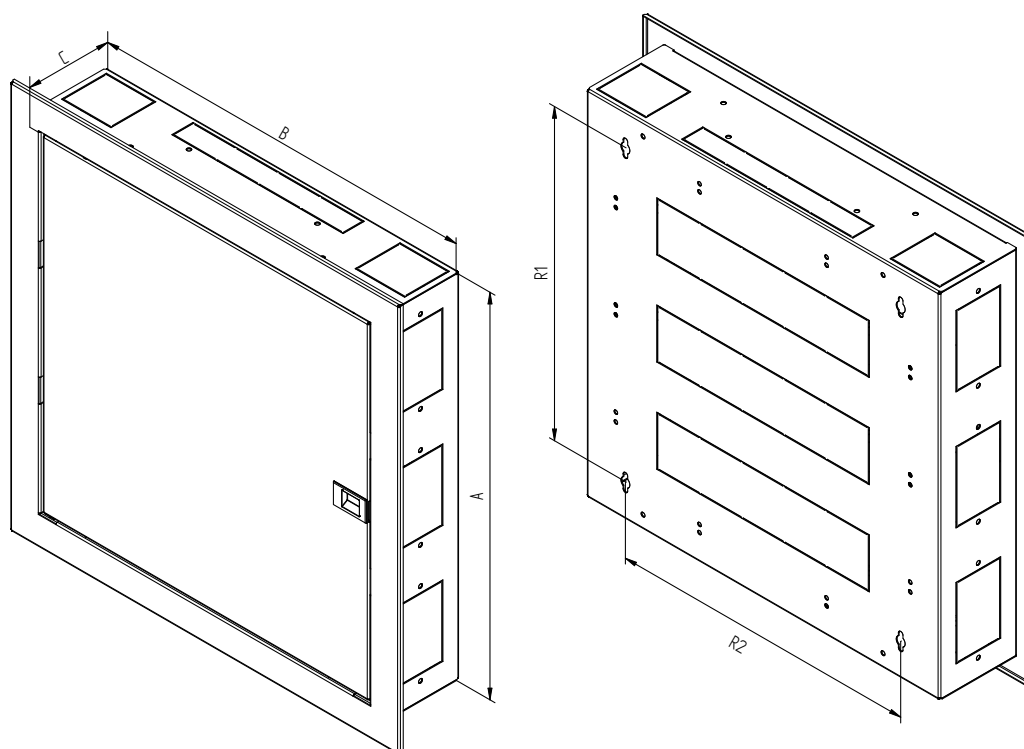


#### ■ DIN RAILS

Because of the flat door, DIN rails had to be moved more to the depth of the cabinet, so that seamless function of the installed devices was maintained.

Terminal PE + N was maintained and the space under the DIN rails still allows comfort connecting of the conductors.





## SNA

TYPE	Outer sizes (mm)			Span for hanging		Number of modules	Heat Dissipation [W]*	Weight brutto (kg)	Weight netto (kg)
	A	B	C	R1	R2				
SNA-01-C51-YXX-X2	166	500	110	76	390	1 x 22	25	4,6	4,4
SNA-02-C51-YXX-X2	333	500	110	243	390	2 x 22	41	6,7	6,4
SNA-03-C51-YXX-X2	500	500	110	410	390	3 x 22	58	7	6,7

Recess for installation cabinet in the wall must be about 15-20 mm larger in each direction than the size of the cabinet.

\* Scattering of thermal energy is set by calculation according IEC 890+A1 for: cabinet by its back to the wall, without fan openings, without horizontal bulkhead, warming up to 20 K in 3/4 height of the cover.



## POWER WALL-MOUNTED CABINET SNA

### ■ DESCRIPTION, PURPOSE OF USE

- IP 30 / IK 06
- Cabinet hangs directly on the wall or can be installed in a prepared recess in the wall.
- Cabinet is designed for individual assembly or with cabinet RNA.
- Multigate (cable openings) on the top, bottom and both side panels of the cabinet allow joining the cabinet into the larger sets with other cabinets of this series including an data cabinets RNA type.
- Cabinet construction:
  - welded frame from 1 mm thick sheet steel
  - steel door of 1 mm thickness
- Cabinet doors have a frame connected by earthing wires which must be properly fixed and inserted into the connectors for the duration of the cabinet's use.
- On the bottom part of the cabinet is an M8 size earthing bolt.
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom of the cabinets, as well as on the sides.
- Maximum permissible load – cabinet: 20 kg; door: 2 kg.

### ■ OPERATING CONDITIONS

- Operating environment:
  - houses, private residences
  - cabinets are not intended for outdoor installation or installation in environments which could adversely affect the functionality of the cabinet and the equipment installed in it (such as an environment where there is a danger of explosions or a damp or humid environment)
- Must be protected against:
  - physical damage
  - improper handling
  - other uses than the one it was intended for
- Improper handling means primarily:
  - overloading (exceeding the maximum recommended loading capacity)
  - installing equipment which could adversely affect the operation and functionality of the cabinet or other installed devices
  - interference with the construction or design of the cabinet.

### ■ INSTALLATION OF THE CABINET

- This type of cabinet hangs directly on the wall, held in place by screws, anchors and washers.
- Can be also installed in a prepared recess in a wall using standard construction methods.
- To ensure the maximum recommended loading capacity, it is necessary to fix the cabinet securely to a wall of corresponding capacity (brick, concrete or similar) and to install all equipment inside in such a way as to evenly spread out the weight of the equipment.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product fully meets the standards of ČSN EN 62208 ed. 2 (357040), (EN 62208:2011), (idt IEC 62208:2011).



SIF

**NEW**



**SIF** >

Outside hybrid cabinet for data and power distribution systems,  
IP 55, capacity 50 kg



#### ■ EARTHING CONNECTION

Carried out according to relevant standards.



#### ■ HORIZONTAL MOUNTING

Brackets are attached on the lower part of the cabinet for 19" equipment



#### ■ MULTIGATE (CABLE OPENINGS)

Break-out cap is sealed using self-adhesive sealing. Multiple openings are available as accessories.



#### ■ TOP COVER

Removable top cover is included.



#### ■ MULTIPOINT LOCK

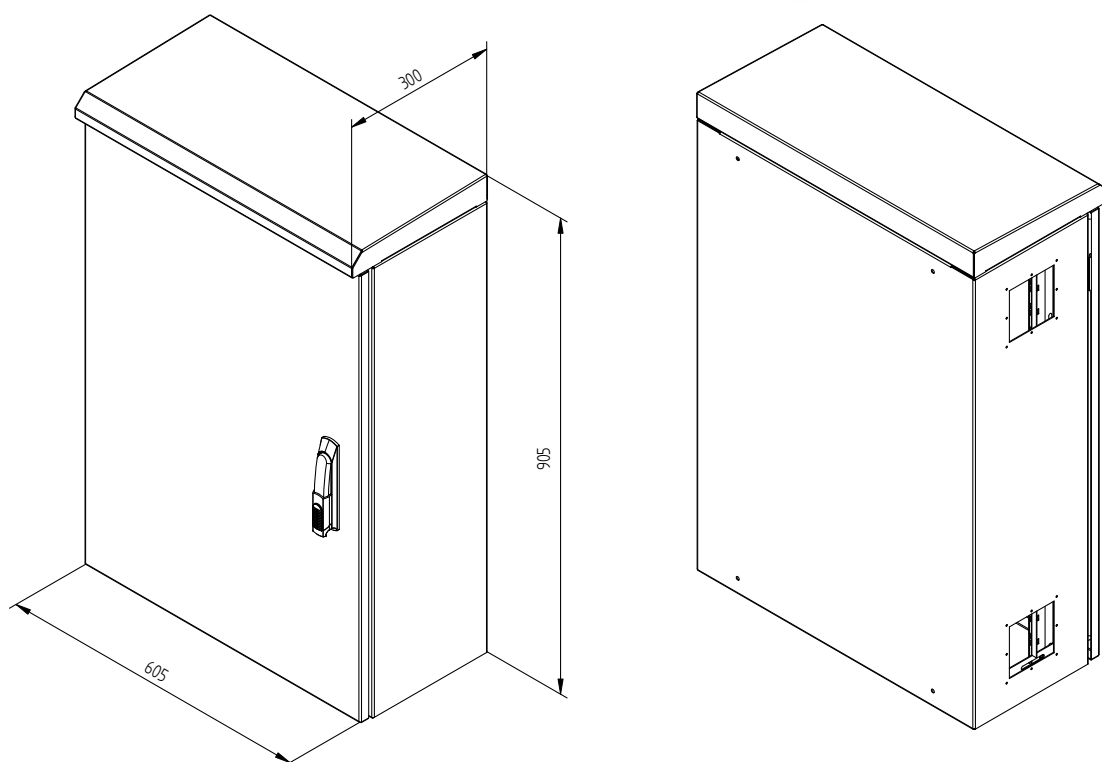
Multipoint locks provide a perfect door seal to ensure IP protection.



#### ■ HANDLE

All common types of lock inserts can be used with the handle.





### Hybrid cabinet SIF IP 55 - stainless steel

TYPE	A	B	C	Heat Dis- sipation [W]*	Weight brutto (kg)	Weight netto (kg)
	(mm)					
SIF-090060030-NCE	905	605	300	60	28,53	27,84

\* Scattering of thermal energy is set by calculation according IEC 890+A1 for: cabinet by its back to the wall , withouth fan openings, withouth horizontal bulkhead, warming up to 20 K in 3/4 hight of the cover.



## HYBRID CABINET SIF

### ■ DESCRIPTION, PURPOSE OF USE

- Hybrid wall cabinet with IP 55/ IK 10 protection.
- The cabinet is hung directly on the wall.
- The cabinets include two pairs of vertical rails and step-adjustable brackets with 19" spacing.
- Cabinet construction:
  - welded frame from 1 mm thick sheet steel
  - all steel door of 1 mm thickness with foam seals around the edge
  - The cabinet door is connected to the frame by an earthing cable, which must be properly secured and inserted into the connectors for the entire duration of the cabinet's use.
- There is an M8 screw on the bottom of the cabinet which serves as a central earthing point.
- There is break-out cap screwed in the top or in the bottom part of the cabinet. This break-out cap has glued seal on it's circumference to fulfill the IP protection. After drilling out the break-out caps, multiple openings can be inserted, which must have a minimum protection IP 55. Multiple openings are not included in assembly pack.
- Maximum permissible load – cabinets: 50 kg; door: 5 kg.
- These cabinets are intended for the use of data and telecommunication equipment and their distribution and power supply systems.
- The frame of the cabinet and all removable parts are connected by earthing cables which must be properly secured and inserted into connectors during the entire time that the cabinet is in use.

### ■ OPERATING CONDITIONS

- Operating environment:
  - industrial, institutional or in private residences
  - cabinets can be use for outside installations, but are not intended for installation in environments which could adversely affect the functionality of the cabinet and the equipment installed in it (such as an environment where there is a danger of explosions or a damp or humid environment).
- Must be protected against:
  - Mechanical damage
  - Improper handling
  - A different usage than the cabinet is intended for
- Improper handling is especially:
  - Overloading (exceeding the maximum recommended load).
  - Installing devices which may negatively influence the operation and function of the cabinet or the installed equipment.
  - Change of the construction or design of the cabinet.

### ■ INSTALLATION OF THE CABINET

- The wall version of this type of cabinet is hung directly on the wall with screws, anchors and washers (included).
- To ensure the maximum recommended load, it is necessary to fix the cabinet to the wall with an appropriate loading capacity (brick, concrete or similar) and that the load installed in the cabinet is evenly distributed.

### ■ ENVIRONMENTAL PROTECTION

- All parts are made of recyclable materials and after decommissioning the cabinet, it must be disposed of according to relevant regulations.

### ■ CERTIFICATE AND CONFORMITY

- This product is fully in accordance with ČSN EN 62208 ed. 2 (357040), (EN 62208:2011), (idt IEC 62208:2011).

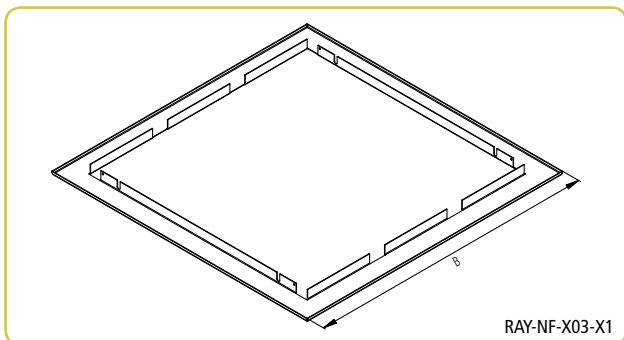


RNA, SNA



# RNA, SNA - Accessories

Accessories for RNA and SNA cabinets



RAY-NF-X03-X1

**RAY-NF-X0x-X1**

Assembly kit and cover frame for installation into the wall.

Typ	Height B (mm)
RAY-NF-X01-X1	216
RAY-NF-X02-X1	383
RAY-NF-X03-X1	550
RAY-NF-X04-X1	716
RAY-NF-X05-X1	883
RAY-NF-X06-X1	1050



RAY-NZ-X02-X1

**RAY-NZ-X0x-X1**

Side cover for RNA/SNA. Eliminates accidentally breaking of side cable entries when mounted on the wall.

Typ	Height (mm)
RAY-NZ-X01-X1	166
RAY-NZ-X02-X1	333
RAY-NZ-X03-X1	500

**RAY-NZ-X04-X1**

Top cover for RNA/SNA



RAY-NP-X01-X1

**RAY-NP-X01-X1**

Prepares the breakout-type cable entries of the cabinet for mounting the protection pipes and ensures high IP protection.



RAY-NP-X02-X1

**RAY-NP-X0x-X1**

Cover of the entry for the protection pipes for RNA/SNA. Protects cabling against damage. Height 166 mm.

Typ	Depth (mm)
RAY-NP-X02-X1	110
RAY-NP-X03-X1	140



RAY-NO-X02-X1

**RAY-NO-X0x-X1**

Assembly set for mounting on the wall, 30 mm depth, for RNA/SNA. Allows cabling behind the cabinet installed on / into the wall.

Typ	Height (mm)
RAY-NO-X01-X1	166
RAY-NO-X02-X1	333
RAY-NO-X03-X1	500



RAY-NO-X20-X1

**RAY-NO-X20-X1**

Cover for the assembly set RAY-NO-X0x-X1, 30 mm depth, for RNA/SNA. Covers top / bottom hole behind the cabinet when using RAY-NO-X0x-X1.



**Accessories**







## ACCESSORIES – OVERVIEW



### Active cooling

Fan units, cooling units with static evaporator

171



### Cable organization systems

A cable management system for fiber optic and copper data cables

179



### Othes accessories

Fibre optic	186
Shelves	188
Bases, filters	190
Mounting angles, castors, feet, stabilizers	191
Blanking panels, cable entry panels	192
Cable organisers	193
Power distribution 230 V – overview	194
Power distribution 230 V	195
Lighting unit	198
Breaker holder	198
Earthing, mounting packets	199
10" accessories	200
Locks	201
Tritón® locking system	202
Door hinges	203





Active cooling

# Active cooling >

Fan units, Air conditioning units with static evaporator



## ACTIVE COOLING



RAC-DV-A07-X1

### ■ RAC-DV-Axx-X1, RAC-DV-Axx-X1

In our selection we include a special sheet-metal door with a preparation for the installation of the RAX-CH-X0x-X3 ventilation units (two, four or six fans in the ventilating unit) designated for the most of the TRITON free standing cabinets. Each ventilation unit has its own separate thermostat which enables a better regulation of the excess heat dissipation.

Assembly of the ventilating units to the door is similar to the installation into a ceiling or into a base of the cabinet. The door is equipped with an opening in which you can fit the ventilating unit into and then fasten it simply in four points. Moreover, the unit is secured by four self-tapping screws which strengthen the mounting and the door gains the required toughness this way.

The number of the assembly holes is given by the door's height. Therefore, one for 15U and 18U, two for 22U and 27U and three assembly holes for 32U, 37U, 42U and 45U. You can order the door with the assembly holes for fan units by entering letter I for the left and J for the right door on the sixth position of the order code, e.g. RMA-15-I66-CAX-A1.

The active door provides a cool air supply to the device. For the maximum ventilation effectivity it is necessary to fit the rear part of the cabinet with the perforated door, e.g. RMA-15-I66-CAX-A1-MAA.

TYPE	Unit	A (mm)	B (mm)	Openings*
RAX-DV-A01-X1	15	675	600	1
RAX-DV-A02-X1	18	807	600	1
RAX-DV-A03-X1	22	985	600	2
RAX-DV-A04-X1	27	1205	600	2
RAX-DV-A05-X1	32	1430	600	3
RAX-DV-A06-X1	37	1655	600	3
RAX-DV-A07-X1	42	1875	600	3
RAX-DV-A08-X1	45	2010	600	3
RAX-DV-A09-X1	15	675	800	1
RAX-DV-A10-X1	18	807	800	1
RAX-DV-A11-X1	22	985	800	2
RAX-DV-A12-X1	27	1205	800	2
RAX-DV-A13-X1	32	1430	800	3
RAX-DV-A14-X1	37	1655	800	3
RAX-DV-A15-X1	42	1875	800	3
RAX-DV-A16-X1	45	2010	800	3

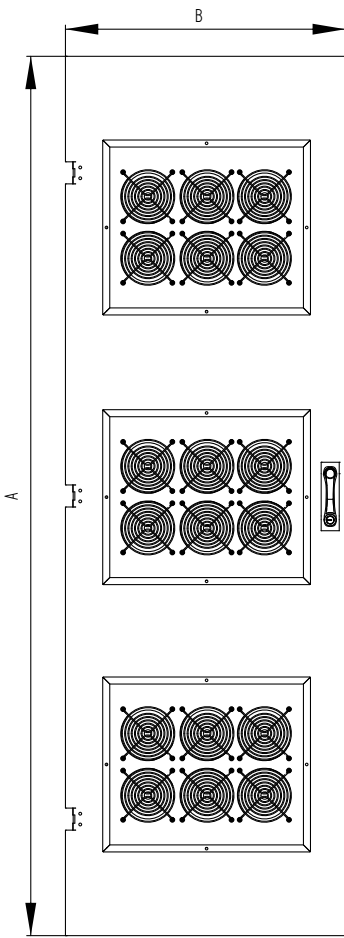
\* Openings for a fan



RAC-ZP-X21-X1

### ■ RAB-ZP-X21-X1, RAC-ZP-X21-X1

Blanking panel for doors with ventilation units







## STANDARD FAN UNITS



RAB-CH-X04-X3

### RAB-CH-Xxx-xx, RAC-CH-Xxx-xx

These fan units are made especially for free-standing cabinets. They are installed into the base, top cover or door of the cabinet as required.

A fan unit for free-standing cabinets – it is installed into the top cover from outside of the cabinet, into the bottom from inside of the cabinet. It is necessary to use the installation frame of the bottom fan unit when installing into the base of the cabinet – RAX-CH-XXX-X1 which is mounted using a two-sided gluing tape.

### Ventilation unit for free-standing cabinets

Product code	Input (W)	Number of ventilators	Extension of temperatures adjustment	Specified voltage (V/Hz)
RAX-CH-X03-X3	30	2	bimetallic thermostat	230/50-60
RAX-CH-X04-X3	60	4	bimetallic thermostat	230/50-60
RAX-CH-X05-X3	90	6	bimetallic thermostat	230/50-60



RAC-CH-X25-X1

### RAB-CH-Xxx-X1, RAC-CH-Xxx-X1

ventilation unit for wall-mounted cabinets

### Ventilation unit for wall-mounted cabinets

Product code	Input (W)	Number of ventilators	Extension of temperatures adjustment	Specified voltage (V/Hz)
RAX-CH-X24-X1	15	1	bimetallic thermostat	230/50-60
RAX-CH-X25-X1	30	2	bimetallic thermostat	230/50-60
RAX-CH-X26-X1	45	3	bimetallic thermostat	230/50-60



RAB-CH-X01-A1

### RAB-CH-X01-A1, RAC-CH-X01-A1

19" horizontal fan unit, 2 fans, 2U, 220 V / 30 W, a thermostat

#### Supply

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x



RAC-CH-X02-A1

### RAB-CH-X02-A1, RAC-CH-X02-A1

19" horizontal fan unit, 4 fans, 2U, 220 V / 60 W, a thermostat

#### Supply

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x



RAB-CH-X21-A1

### RAB-CH-X21-A1, RAC-CH-X21-A1

19" horizontal fan unit, 2 fans, 4U, 220 V / 30 W, a thermostat

#### Supply

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x





RAX-CH-X01-X9

### ■ RAX-CH-X01-X9

Thermostat – adjustable switching temperature range from 0 °C up to +60 °C



RAX-CH-X02-X9

### ■ RAX-CH-X02-X9

Plastic frame 120 x 120 mm with a filter



RAX-CH-X03-X9

### ■ RAX-CH-X03-X9

Metal frame 120 x 120 mm without a filter



RAX-CH-X06-X9

### ■ RAX-CH-X06-X9

Fan – 230 V / 15 W, 50 Hz / 0.09 A, 160 m<sup>3</sup>/h, 120 x 120 mm



RAX-CH-X07-X9

### ■ RAX-CH-X07-X9

Fan unit for RFA, RUA cabinet 230 V, 50 Hz, 0.09 A, 15 W, 160 m<sup>3</sup>/h



RAC-CH-XXX-X1

### ■ RAB-CH-XXX-X1, RAC-CH-XXX-X1

Bottom fixing frame for fan unit

The installation of fan units is prepared for Tritón cabinets only.



## ACTIVE COOLING – AIR CONDITIONERS

For active temperature management we offer high quality STULZ-Cosmotec A/C units under the Triton brand. These compact A/C ETE units are designed to cool equipment in every single data cabinet (RDA cabinets and RIE cabinets with IP54 protection). These A/C units are intended for both industrial and office environments thanks to their RPM management of the cooling fan in the compressor circuit. The A/C unit adjusts the RPM speed of the fan, which is a major cause of a noise. The A/C RPM adjustment is based on the current use of the cooling output inside the cabinet. It has a positive affect on the noise reduction of the unit when the maximum output capacity is not needed.

**The A/C unit has two separate circuits for air circulation:**

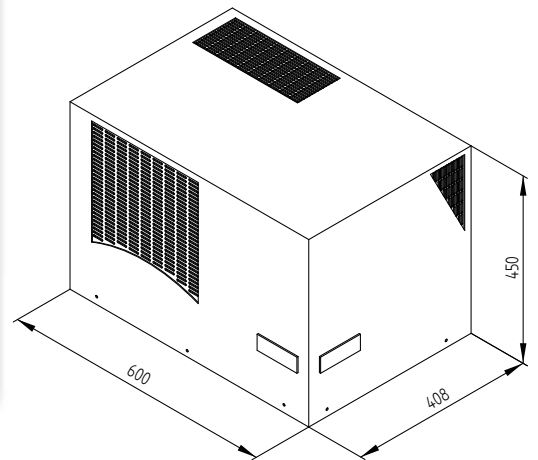
1. The inside circuit, which cools all installed equipment and enters the A/C unit, where the hot air is transferred to a cooling medium.
2. The cooling circuit controlled by the compressor, which is cooled by an air stream that takes the excess heat away

Thanks to its arrangement, the air from outside is not mixed with the air from the inside of the cabinet. So the humidity inside the cabinet is not affected. Excessive humidity can condense on the equipment or

can freeze inside the cooling unit which can lead to damage. It is very important to set up the A/C unit correctly and th consider the surrounding temperature and humidity. It is also possible to equip our data cabinet with a door sensor, which automatically shuts the compressor off when the door is opened. The A/C unit may be controlled by an electrical unit, which includes thermostats in two different parts of the cover. There are several options for installing such A/C units. The A/C unit can draw in the hot air and blow out cold air along the side panels of the cabinet or it can be installed on the front/rear side according to the customer's requirements. For the A/C unit to function properly, it is necessary to provide it with sufficient air circulation and an appropriate temperature. The unit has special sensors which monitor the space from surrounding objects. For more information please refer to the manual of each A/C unit.



RAC-KL-ETE-X1



### **RAB-KL-ETE-XX, RAC-KL-ETE-XX**

Roof cooling unit ETE. Specially designed for the installation to the top of the cabinet.

Cooling units 800 mm wide are possible to mount on cabinets 800 mm wide only.

Cooling units 600 mm wide are possible to mount on cabinets 600 mm and 800 mm wide.

Roof cooling unit ETE										
Part number	Coolant type	Cooling capacity (W)	External dimensions	Intended for cabinets wide	Temperature range set up	Power supply (V/Hz)	Air flow (m³/h)	Electric input (W)	Noise level (dB)	Weight (kg)
RAx-KL-ETE-X1	R134a	1400	450 x 600 x 408	600 and 800	electrical thermostat	230/50-60	575	950	58	48
RAx-KL-ETE-X2	R134a	2000	450 x 600 x 408	600 and 800	electrical thermostat	230/50-60	860	1200	62	51,5
RAx-KL-ETE-X3	R134a	2700	485 x 800 x 465	only 800	electrical thermostat	230/50-60	860	1580	77	74,5
RAx-KL-ETE-X4	R134a	3800	485 x 800 x 465	only 800	electrical thermostat	230/50-60	1450	2000	77	76,5

**Operating conditions:**

The ETE A/C unit is designed to work in a horizontal position as a roof unit for free-standing cabinets. It is also necessary to transport the unit in a horizontal position and install it accordingly. We offer adapters for installation on RDE and RIE data cabinets, which seal the A/C unit at the cabinet body and which also would direct

the cold air flow inside the cabinet. The units contain a drip tray, which collects condensation from the cooled space. Should there be an increase in condensation (which can happen with higher air humidity, lowered temperature inside the cabinet, the door left open, etc.) it is necessary to install a safety condensate draining pipe and follow the mounting instructions described in the attached manual.

**Operating environment:**

Min. ambient temperature in the working condition: +20 °C  
 Max. ambient temperature in the working condition: +50 °C  
 Adjustable temperature range: 25 – 45 °C

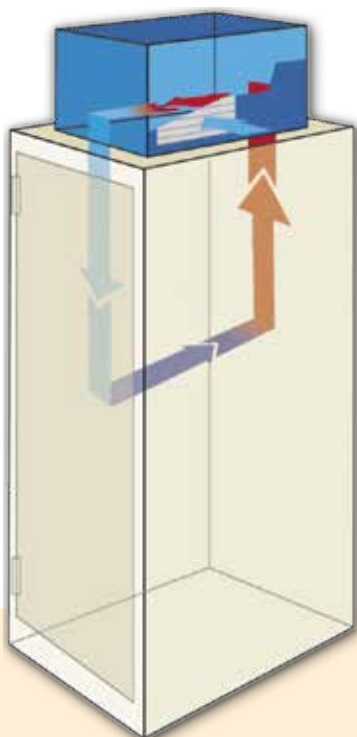
**Recommendation:**

With regard to the demand of a maximum life-time of the unit's equipment, those are the recommended parameters of the inner environment of the cabinet.

**Temperature limits: from +10 till + 40 °C**

**Relative humidity: 30 – 90 %**

Surface temperature of the inner equipment of the cabinet should not fall below the condensation temperature.

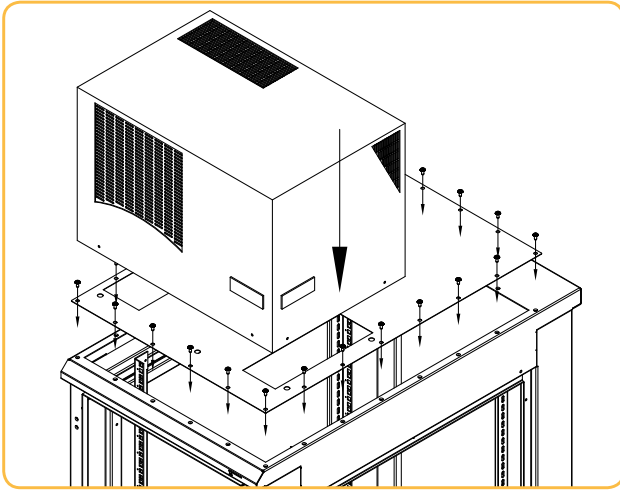


The A/C unit can be installed on cabinets in such a way that it reaches that reaches all needs of a cold air demanded by used equipment.

There is an opening located at the top of the RIE and RDE cabinet, which requires an installation of an adapter. An appropriate reduction can set the right direction of the A/C unit and it also sets the stream of the hot/cold air along the sides or along the front/rear sides of the cabinet.



# ADAPTER FOR THE A/C UNITS

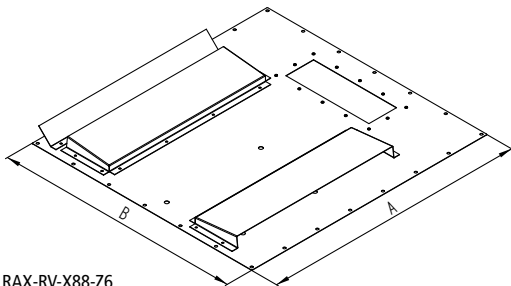


## A/C INSTALLATION

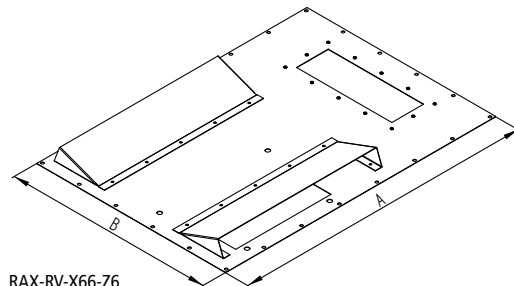
In order to utilise the maximum potential of A/C units with cooling air directed properly according to all equipment needs, we supply installation adapters for RDE and RIE cabinets. This is a metallic panel which is screwed to the large-sized opening at the top of the cabinet where the installation of A/C is required. Adapters are symmetric which means that rotating is simple. All sizes of adapters are shown in the table below. For easy access to the controlling panel it is possible to install it in two positions with simply plugging into the connector (see installation manual).

Cooling units 800 mm wide can be mounted on cabinets 800 mm wide only.

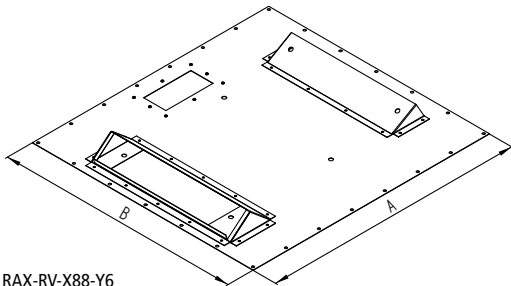
Cooling units 600 mm wide can be mounted on cabinets 600 mm and 800 mm wide.



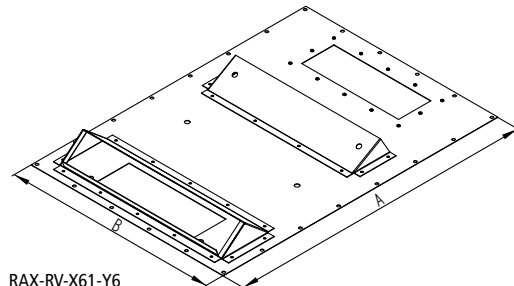
RAX-RV-X88-Z6



RAX-RV-X66-Z6



RAX-RV-X88-Y6



RAX-RV-X61-Y6

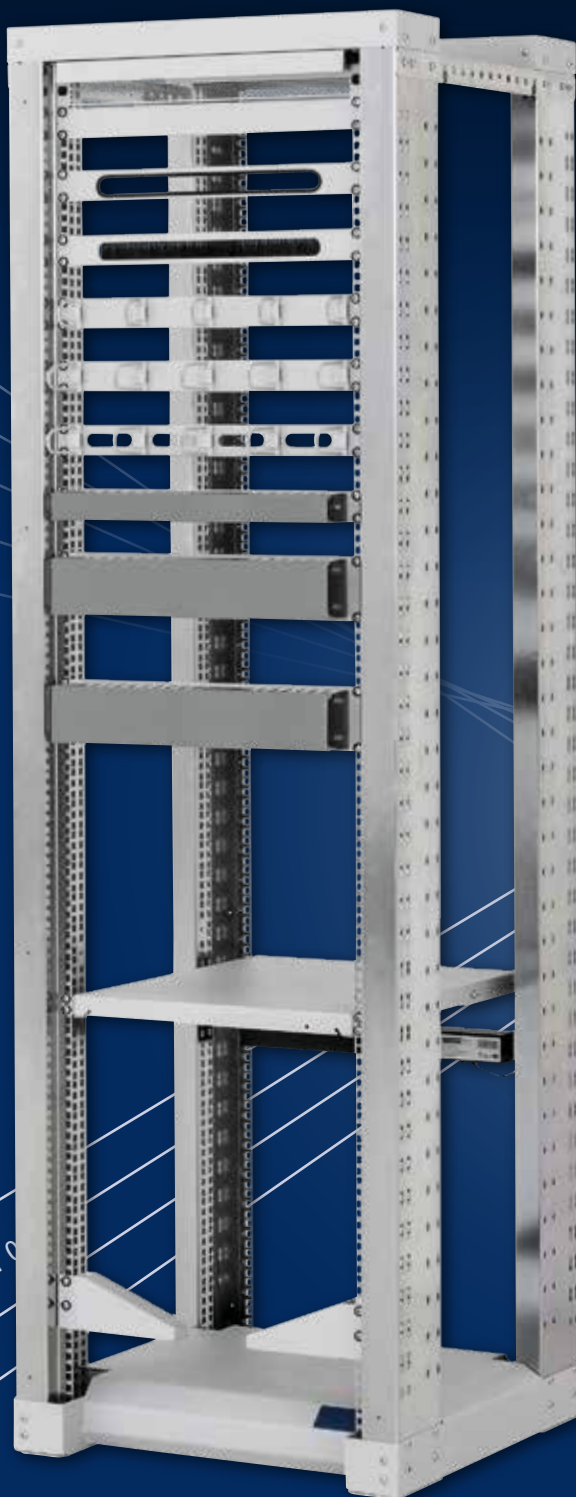
## Types and dimensions of A/C adapters

TYPE		A (mm) cabinet depths	B (mm) cabinet width	A/C unit type	Direction of A/C installation	Assem- bly set
RAX-RV-X66-Z6	A/C unit adapter X1, X2 into the cabinet width 600 x 600	600	600	X1, X2	into the cabinet width	A
RAX-RV-X68-Y6	A/C unit adapter X1, X2 into the cabinet depth 800 x 600	800	600	X1, X2	into the cabinet depth	A
RAX-RV-X68-Z6	A/C unit adapter X1, X2 into the cabinet width 800 x 600	800	600	X1, X2	into the cabinet width	A
RAX-RV-X61-Y6	A/C unit adapter X1, X2 into the cabinet depth 1000 x 600	1000	600	X1, X2	into the cabinet depth	C
RAX-RV-X61-Z6	A/C unit adapter X1, X2 into the cabinet width 1000 x 600	1000	600	X1, X2	into the cabinet width	C
RAX-RV-X61-Y8	A/C unit adapter X3, X4 into the cabinet depth 1000 x 600	1000	600	X3, X4	into the cabinet depth	C
RAX-RV-X88-Y6	A/C unit adapter X1, X2 into the cabinet depth 800 x 800	800	800	X1, X2	into the cabinet depth	B
RAX-RV-X88-Z6	A/C unit adapter X1, X2 into the cabinet width 800 x 800	800	800	X1, X2	into the cabinet width	B
RAX-RV-X88-Z8	A/C unit adapter X3, X4 into the cabinet width 800 x 800	800	800	X3, X4	into the cabinet width	B
RAX-RV-X81-Y6	A/C unit adapter X1, X2 into the cabinet depth 1000 x 800	1000	800	X1, X2	into the cabinet depth	D
RAX-RV-X81-Z6	A/C unit adapter X1, X2 into the cabinet width 1000 x 800	1000	800	X1, X2	into the cabinet width	D
RAX-RV-X81-Y8	A/C unit adapter X3, X4 into the cabinet depth 1000 x 800	1000	800	X3, X4	into the cabinet depth	D
RAX-RV-X81-Z8	A/C unit adapter X3, X4 into the cabinet width 1000 x 800	1000	800	X3, X4	into the cabinet width	D

### Supply:

A = 24 pcs M5x12 ; 24 pcs rubber sealing  
B = 30 pcs M5x12 ; 30 pcs rubber sealing

C = 30 pcs M5x12 ; 30 pcs rubber sealing  
D = 38 pcs M5x12 ; 38 pcs rubber sealing



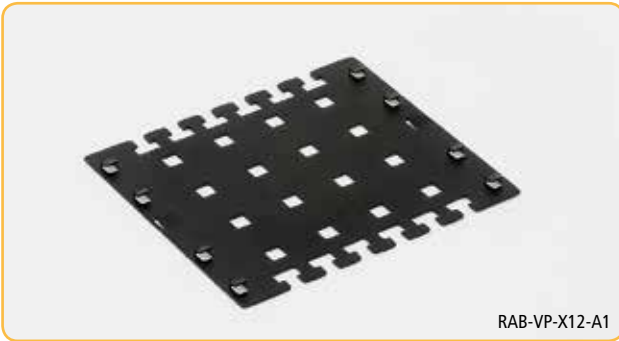
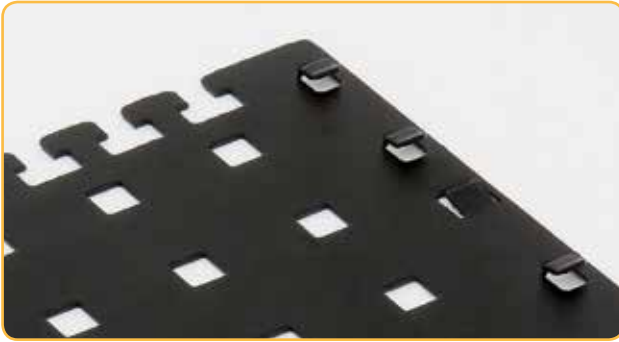
# Cable management >

Complex organization system for optical and metal data cables

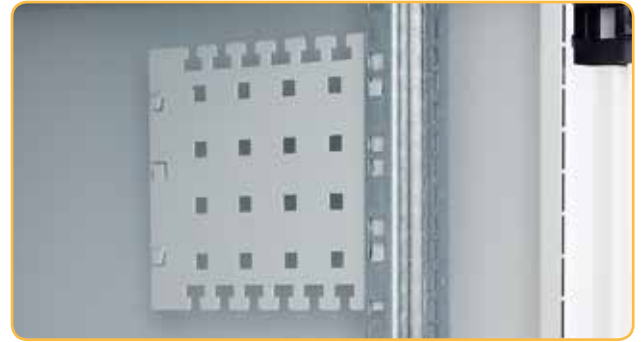




## CABLE ORGANIZATION SYSTEMS



RAB-VP-X12-A1



### ■ RAB-VP-X12-X1, RAC-VP-X12-X1

Special cable management panel

Special cable management panel is intended for installation on cabinet's vertical rails. It is also possible to be used for installation on vertical perforation in the rear section of wall-mounted cabinets. Cable management rings (RAB-MS-X21-X1) can be installed on the management panel for better organisation of cables. They are not included in the supply.

The easy fixing system consists in hanging on the vertical rail. A contra directional safety pin prevents an undesirable release.



RAB-VP-H10-X1

### ■ RAB-VP-H10-X1

Cable management vertical panel 10U - comb, for cabinets 800 mm width, RAL9005



### ■ REMOVABLE COVER

Swing, removable cover for cable management vertical panel RAB-VP-H10-X1



RAB-MS-X21-X1, RAB-MS-X23-X1

### ■ RAB-MS-X21-X1, RAC-MS-X21-X1, RAB-MS-X23-X1, RAC-MS-X23-X1

Plastic cable management ring big / small for cable management 60 x 30 mm / 35 x 30 mm.



RAB-VP-X02-A1

**■ RAB-VP-X02-A1, RAC-VP-X02-A1**

19" 1U panel with cable trunking, one side plastic rail

**Supply**

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-VP-X03-A1

**■ RAB-VP-X03-A1, RAC-VP-X03-A1**

19" 1U panel with cable trunking, two-sided plastic rail

**Supply**

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-VP-X04-A1

**■ RAB-VP-X04-A1, RAC-VP-X04-A1**

19" 2U panel with cable trunking, one side plastic rail

**Supply**

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-VP-X05-A1

**■ RAB-VP-X05-A1, RAC-VP-X05-A1**

19" 2U panel with cable trunking, two-sided plastic rail

**Supply**

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-VP-X11-A1

**■ RAB-VP-X11-A1, RAC-VP-X11-A1**

19" 1U panel with 6 x big cable management rings

**Supply**

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-VP-X13-A1

**■ RAB-VP-X13-A1, RAC-VP-X13-A1**

19" 1U panel with 6 x small cable management rings

**Supply**

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-VP-X16-A1

**RAB-VP-X16-A1, RAC-VP-X16-A1**

19" cable management panel 1U, 6 x big click-in ring, oval holes

**Supply**

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x

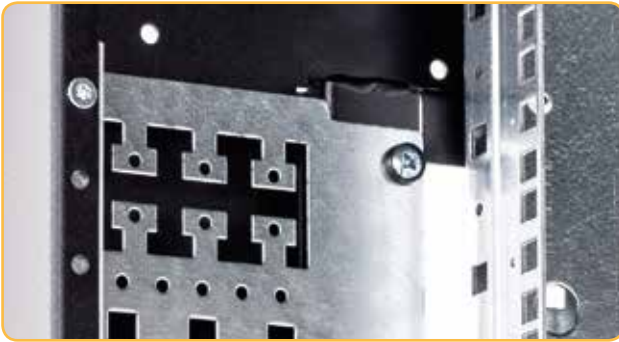


RAC-VP-X51-X1

**RAB-VP-X5x-X1, RAC-VP-X5x-X1**

Cable management rail for RMA, RZA skeleton

Type	Depth (mm)
RAX-VP-X50-X1	600
RAX-VP-X51-X1	800
RAX-VP-X52-X1	900
RAX-VP-X53-X1	1000
RAX-VP-X54-X1	1100
RAX-VP-X55-X1	1200



RAX-VP-Vxx-X2

**RAX-VP-Vxx-X2**

Vertical cable management rail for RDA cabinets. Suitable for widths 600 mm and 800 mm.

Type	Height (U)
RAX-VP-V37-X2	37
RAX-VP-V42-X2	42
RAX-VP-V45-X2	45
RAX-VP-V47-X2	47



RAX-VP-X71-X1

**RAX-VP-X7x-X1**

Installation cable management bar for cabinet width 800 mm.

Type	Cabinet depth (mm)
RAX-VP-X70-X1	600
RAX-VP-X71-X1	800
RAX-VP-X72-X1	900
RAX-VP-X73-X1	1000
RAX-VP-X74-X1	1100
RAX-VP-X75-X1	1200



RAX-VP-Xxx-X2



RAX-VC-X42-X2

■ **RAX-VP-Xxx-X2** - one piece

**RAX-VP-Xxx-X1** - set of 4 pieces

Vertical cable canal 14-45U for RMA and RZA of 800 mm width and for open frames RSX.

It is made of 1,5 mm thick galvanized steel and designed for installations on vertical rails to the cabinet side panel area.

Cable management rings can be installed on the cable canal for a better organisation of cables. They are not included in the supply.

**Supply (per piece)**

Screw M5 with integrated washer .....	3x
Enlarged washer 5,3 .....	7x
Nut beneath vertical rail .....	1x
Screw M5 x 12 .....	4x

Type	Height (U)
RAX-VP-X15-Xx	15
RAX-VP-X18-Xx	18
RAX-VP-X22-Xx	22
RAX-VP-X27-Xx	27
RAX-VP-X32-Xx	32
RAX-VP-X37-Xx	37
RAX-VP-X42-Xx	42
RAX-VP-X45-Xx	45
RAX-VP-X47-Xx	47

■ **RAX-VC-Xxx-X2** - one piece

**RAX-VC-Xxx-X1** - set of 4 pieces

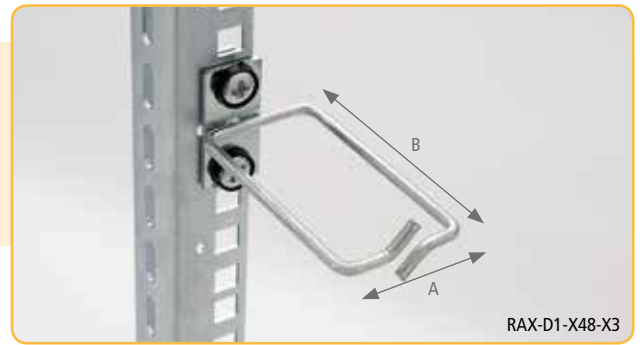
Vertical cable canal 14-45U for RMA and RZA of 800 mm width and for open frames RSX. C-shape with additional 19" installation openings 1U.

It is made of 1,5 mm thick galvanized steel and designed for installations on vertical rails to the cabinet side panel area. At the front there are additional 19" installation openings 1U high that increase overall capacity of the cabinet.

**Supply (per piece)**

Screw M5 with integrated washer .....	3x
Enlarged washer 5,3 .....	7x
Nut beneath vertical rail .....	1x
Screw M5 x 12 .....	4x

Type	Height (U)
RAX-VC-X15-Xx	15
RAX-VC-X18-Xx	18
RAX-VC-X22-Xx	22
RAX-VC-X27-Xx	27
RAX-VC-X32-Xx	32
RAX-VC-X37-Xx	37
RAX-VC-X42-Xx	42
RAX-VC-X45-Xx	45
RAX-VC-X47-Xx	47



**RAX-D1-Xxx-X3**

Steel cable management rings

**Supply**

Screw M6 x 10 .....	2x
Plastic washer .....	2x
Captive nut M6 .....	2x

Type D1



**RAX-D2-Xxx-X3**

Steel cable management rings

**Supply**

Screw M6 x 10 .....	2x
Plastic washer .....	2x
Captive nut M6 .....	2x

Type D2



**RAX-D3-Xxx-X3**

Steel cable management rings

**Supply**

Screw M6 x 10 .....	2x
Plastic washer .....	2x
Captive nut M6 .....	2x

Type D3





# Other accessories >

Accessories



# FIBRE OPTIC



RAB-FO-X57-A1

### RAB-FO-X57-A1, RAC-FO-X57-A1

19" Fixed FO panel 1U

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-FO-X60-A1

### RAB-FO-X60-A1, RAC-FO-X60-A1

19" Fixed FO panel 2U

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAC-FO-X64-A1

### RAB-FO-X64-A1, RAC-FO-X64-A1

19" Sliding FO panel 1U

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAC-FO-X65-A1

### RAB-FO-X65-A1, RAC-FO-X65-A1

19" Sliding FO panel 2U

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-FO-X58-A1

### RAB-FO-X58-A1, RAC-FO-X58-A1

19" Front plate 1U 24 ST

#### Supply

Screw M6 x 10 .....	4x
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RAC-FO-X59-A1

### RAB-FO-X59-A1, RAC-FO-X59-A1

19" Front plate 1U 24 SC

#### Supply

Screw M6 x 10 .....	4x
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RAB-FO-X61-A1

**RAB-FO-X61-A1, RAC-FO-X61-A1**

19" Front plate 2U 48 ST

**Supply**

Screw M4 x 6 ..... 4x



RAC-FO-X62-A1

**RAB-FO-X62-A1, RAC-FO-X62-A1**

19" Front plate 2U 48 SC

**Supply**

Screw M4 x 6 ..... 2x



RAC-FO-X63-A1

**RAB-FO-X63-A1, RAC-FO-X63-A1**

19" Front plate 1U 24 SC DUPLEX

**Supply**

Screw M4 x 6 ..... 4x



RAC-FO-A07-X1

**RAB-FO-A07-X1, RAC-FO-A07-X1**

Wall-mounted fibre optic box 24 x ST, 24 x SC single, 16 x SC duplex

**Supply**

Screw 4 x 30 ..... 4x

Washer 4,2 ..... 4x

Wall plug 8 ..... 4x



RAC-VP-X14-X1

**RAB-VP-X14-X1, RAC-VP-X14-X1**

FO cable organizer 1U

**Supply**

Screw M4 x 6 ..... 2x



FTK-X01-H1

**FTK-X01-H1**

Splice cassette with a cover



## SHELVES



RAB-UP-X40-A1

### RAB-UP-X40-A1, RAC-UP-X40-A1

19" sliding / rotary shelf for keyboard and mouse

#### Supply

Screw M6 x 10 .....	8x
Plastic washer .....	8x
Captive nut M6 .....	8x



RAC-UP-X29-A1

### RAB-UP-X29-A1, RAC-UP-X29-A1

19" Sliding lockable shelf 2U for keyboard and mouse

#### Supply

Screw M6 x 10 .....	8x
Plastic washer .....	8x
Captive nut M6 .....	8x



RAB-UP-X09-A1

### RAB-UP-X09-A1, RAC-UP-X09-A1

19" Drop-down shelf for keyboard, maximum loading capacity 15 kg

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAC-UP-X31-A1

### RAB-UP-Xxx-A1, RAC-UP-Xxx-A1

19" sliding shelf - height 45 mm

Type	Depth (mm)	Max. loading capacity (kg)
RAx-UP-X30-A1	350	30
RAx-UP-X31-A1	450	30
RAx-UP-X20-A1	550	45
RAx-UP-X19-A1	650	45

#### Supply

Screw M6 x 10 .....	8x
Plastic washer .....	8x
Captive nut M6 .....	8x



RAC-UP-450-A4

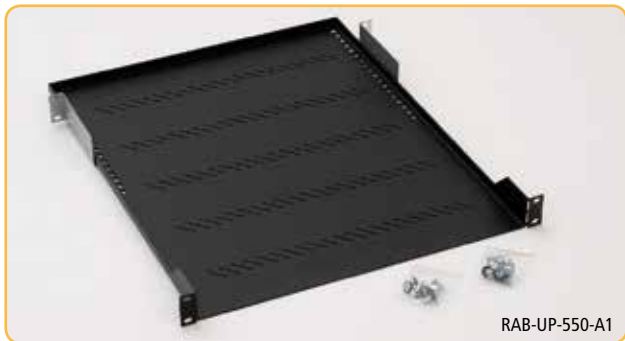
### RAB-UP-xxx-A4, RAC-UP-xxx-A4

19" Shelf with perforation 1U. PATENT: PUV 2012-25430.

Type	Depth (mm)	Max. loading capacity(kg)
RAx-UP-150-A4	150	15
RAx-UP-250-A4	250	20
RAx-UP-350-A4	350	50
RAx-UP-450-A4	450	80
RAx-UP-550-A4	550	80
RAx-UP-650-A4	650	80
RAx-UP-750-A4	750	80
RAx-UP-850-A4	850	80
RAx-UP-950-A4	950	80

#### Supply

Screw M6 x 10 (dimensions 150 and 250 mm – 4x) .....	8x
Plastic washer (dimensions 150 and 250 mm – 4x) .....	8x
Captive nut M6 (dimensions 150 and 250 mm – 4x) .....	8x
Screw M5 x 12 Thorx (dimensions 150 and 250 mm – 4x).....	8x



RAB-UP-550-A1

**RAB-UP-XXX-A1, RAC-UP-XXX-A1**

Shelf with perforation 1U

Type	Depth (mm)	Max. loading capacity(kg)
RAX-UP-150-A1	150	15
RAX-UP-250-A1	250	20
RAX-UP-350-A1	350	40
RAX-UP-450-A1	450	40
RAX-UP-550-A1	550	40
RAX-UP-650-A1	650	40
RAX-UP-750-A1	750	40

**Supply**

- Screw M6 x 10 (dimensions 150 and 250 mm – 4x) ..... 8x
- Plastic washer (dimensions 150 and 250 mm – 4x) ..... 8x
- Captive nut M6 (dimensions 150 and 250 mm – 4x) ..... 8x
- Screw M5 x 12 Thorx (dimensions only 350 mm and larger) ..... 4x
- Back holder (dimensions only 350 mm and larger) ..... 2x



RAC-UP-650-H4

**RAB-UP-xxx-H4, RAC-UP-xxx-H4**

19" Heavy duty shelf

Type	Depth (mm)	Max. loading capacity(kg)
RAX-UP-450-H4	450	150
RAX-UP-550-H4	550	150
RAX-UP-650-H4	650	150
RAX-UP-750-H4	750	150
RAX-UP-850-H4	850	150
RAX-UP-950-H4	950	150

**Supply**

- Screw M6 x 10 ..... 8x
- Plastic washer ..... 8x
- Captive nut M6 ..... 8x
- Screw M5 x 12 Thorx ..... 4x



RAX-DR-X02-X1

**RAX-DR-X01-X1**

Shelf holders for middle vertical rail of free-standing cabinets deeper than 800 mm – a pair.



RAX-DR-X03-X1

**RAX-DR-X03-X1**

Holder for middle rail (pair), allows installation of standard 19" equipment.

**Supply**

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x



RAX-DR-X01-X1

**RAX-DR-X01-X1**

Rear holder of shelves for RBA wall mounted cabinets – a pair.



RAX-RV-X01-X2

**RAX-RV-X01-X2**

Adapter 23"/21" and 21"/19" universal for 1U - a pair.





## BASES, FILTERS



RAC-PO-X88-XN

### RAB-PO-Xxx-XN, RAC-PO-Xxx-XN RAB-PO-Xxx-XD, RAC-PO-Xxx-XD

The base is fully universal, which means that it is usable for all types of free-standing cabinets except ROA and RSX. The construction of the base is formed of two side profiles which correspond to the depth of the cabinet, and two cover panels (front and back) with a corresponding width. Bases XN series have a load capacity of 400 kg, bases XD series have a load capacity 1500 kg.

#### SUPPLY INCLUDES

- 2 x side base profile with a cable entry (with breakout-type blanking panels)
- 2 x cover with cable openings (with breakout-type blanking panels)
- 1 x cover with a filter
- 1 x anti-dust brush
- fasteners

The bases are delivered dismantled. The second dust filter for the second cover replacing can be easily ordered later. The base always exactly copies the ground plan of the cabinet regardless of installation of filter. The bases are standardly supplied in widths of 600 and 800 mm and depths from 600 to 1200 mm. All the bases are 120 mm high.

**TIP:** The base is prepared for installation of stabilisers, which are highly recommended to use on cabinets with sliding servers.



Type XN	Dimensions (mm)	Maximum recommended load (kg)
RAX-PO-X66-XN	600 x 600	400
RAX-PO-X68-XN	600 x 800	400
RAX-PO-X69-XN	600 x 900	400
RAX-PO-X61-XN	600 x 1000	400
RAX-PO-X60-XN	600 x 1100	400
RAX-PO-X62-XN	600 x 1200	400
RAX-PO-X86-XN	800 x 600	400
RAX-PO-X88-XN	800 x 800	400
RAX-PO-X89-XN	800 x 900	400
RAX-PO-X81-XN	800 x 1000	400
RAX-PO-X80-XN	800 x 1100	400
RAX-PO-X82-XN	800 x 1200	400
Type XD	Dimensions (mm)	Maximum recommended load (kg)
RAX-PO-X68-XD	600 x 800	1500
RAX-PO-X61-XD	600 x 1000	1500
RAX-PO-X60-XD	600 x 1100	1500
RAX-PO-X62-XD	600 x 1200	1500
RAX-PO-X88-XD	800 x 800	1500
RAX-PO-X81-XD	800 x 1000	1500
RAX-PO-X80-XD	800 x 1100	1500
RAX-PO-X82-XD	800 x 1200	1500



RAC-PO-XF2-X1

### RAB-PO-XFx-X1, RAC-PO-XFx-X1

Filter for bases

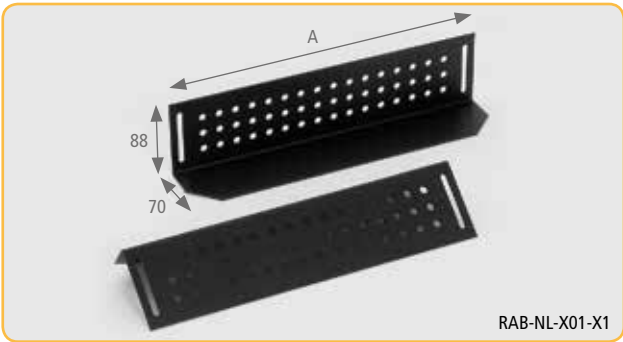
Type	Dimensions – w * h (mm)
RAX-PO-XF1-X1	600 x 120
RAX-PO-XF2-X1	800 x 120

#### Supply

Screw M5 x 30 ..... 4x



# MOUNTING ANGLES, CASTORS, FEET, STABILIZERS



RAB-NL-X01-X1

## RAB-NL-X0x-X1, RAC-NL-X0x-X1

Pair of mounting angles.

Type	A (mm)
RAX-NL-X01-X1	380
RAX-NL-X05-X1	480
RAX-NL-X02-X1	580
RAX-NL-X03-X1	680
RAX-NL-X04-X1	780



RAX-MS-X81-X1

## RAX-MS-X81-X1

Castors with maximum loading capacity of 4 castors 800 kg. Cabinet's height increases by 108 mm.

### Set

- Castors with a brake ..... 2x
- Castors without a brake ..... 2x
- Screw M5 x 12 Thorx ..... 16x
- Enlarged washer 5,5 ..... 16x



RAC-SS-X01-X1

## RAB-SS-X01-X1, RAC-SS-X01-X1

Stabilizers for free-standing cabinets.

### Supply

- Screw M5 x 12 ..... 4x



RAX-MS-X06-X1

## RAX-MS-X06-X1

Set of adjustable feet for free-standing cabinets.



RAX-MS-X27-X1

## RAX-MS-X27-X1

Joining kit for free standing cabinets - with sealing tape.



RAX-MS-X28-X1

## RAX-MS-X28-X1

Joining kit for free standing cabinets - without sealing tape.



## BLANKING PANELS, CABLE ENTRY PANELS



RAB-ZP-X03-A1

### RAB-ZP-X03-A1, RAC-ZP-X03-A1

19" 1U Cable entry panel

**Supply**

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x



RAB-ZP-X03-A2

### RAB-ZP-X03-A2, RAC-ZP-X03-A2

19" 1U Cable entry panel with brush strip

**Supply**

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x



RAB-ZP-X02-A1

### RAB-ZP-X0x-A1, RAC-ZP-X0x-A1

19" Blanking panel

Type	Height (mm)	Height (U)
RAx-ZP-X01-A1	44	1
RAx-ZP-X02-A1	88	2
RAx-ZP-X04-A1	133	3
RAx-ZP-X05-A1	177	4

**Supply**

- Screw M6 x 10 ..... 4x
- Plastic washer ..... 4x
- Captive nut M6 ..... 4x



RAC-ZP-X32-A1

### RAB-ZP-X3x-A1, RAC-ZP-X3x-A1

19" Blanking panel 1U with plastic pins

### RAB-ZP-X9x-A1, RAC-ZP-X9x-A1

19" Blanking panel 1U with plastic pins - logo Triton

Type	Height (U)	Plastic pins
RAx-ZP-Xx1-A1	1	2
RAx-ZP-Xx2-A1	2	4
RAx-ZP-Xx3-A1	3	4
RAx-ZP-Xx4-A1	4	4
RAx-ZP-Xx5-A1	5	4

**Supply**

- for 1U ..... plastic pins 2x
- for 2U and further ..... plastic pins 4x



RAC-ZP-X41-A1

### RAB-ZP-X4x-A1, RAC-ZP-X4x-A1

19" perforated blanking panel

Type	Height (U)	Plastic pins
RAx-ZP-X41-A1	1	2
RAx-ZP-X42-A1	2	4
RAx-ZP-X43-A1	3	4
RAx-ZP-X44-A1	4	4
RAx-ZP-X45-A1	5	4



## CABLE ORGANISERS



RAB-PP-X10-A1

### ■ RAB-PP-X10-A1, RAC-PP-X10-A1

19" modular patch panel for max. 24 Keystone modules

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAX-MS-X18-X1, RAX-MS-X17-X1

### ■ RAX-MS-X17-X1, RAX-MS-X18-X1

#### RAX-MS-X17-X1

– plastic frame for a breakout-type blanking panel  
300 x 70 mm

#### RAX-MS-X18-X1

– plastic frame for a breakout-type blanking panel  
370 x 90 mm



RAX-MS-X15-X1, RAX-MS-X16-X1

### ■ RAX-MS-X15-X1, RAX-MS-X16-X1

#### RAX-MS-X15-X1

– blanking panel with a brush, 370 x 90 mm

#### RAX-MS-X16-X1

– blanking panel with a brush, 300 x 70 mm

Openings with breakout-type blanking panels fixed with several bonds are intended for cables entering into a cabinet. After breaking-out the blanking panel, sharp edges sometimes remain. They can damage a cable or injure the operator. To eliminate this imperfection, we have developed a plastic frame.

The frame is to be fixed into the breakout by a simple click and it is included in every 19" cabinet supply.

We make the frames in two sizes – for wall-mounted and free-standing cabinets.



RAC-ZP-X19-X1

### ■ RAX-ZP-X19-X1

Blanking panel for top roof fan unit opening.



RAX-ZP-X17-X1

### ■ RAX-ZP-X17-X1

Clip-in blanking panel for cable entry 300 x 70 mm

### ■ RAX-ZP-X18-X1

Clip-in blanking panel for cable entry 370 x 90 mm

### ■ RAX-ZP-X20-X1

Clip-in blanking panel for cable entry at the bottom of RCA cabinet



# POWER DISTRIBUTION 230 V – OVERVIEW

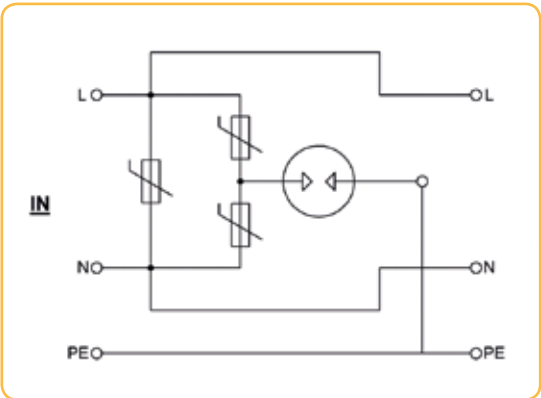
Part no	Height	Width	Depth	Socket				Power input		Switch	Power indicator	Varistor surge protection	Circuit breaker 2 x 16 A	Note
				ČSN 16 A	DE 16 A	IEC320 C13 10 A	IEC320 C19 16 A	Cable	Plug					
RAB-PD-X01-A1	1U	19"	1U	8 x				2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X03-A1	1U	19"	1U	8 x				2m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X05-A1	1U	19"	1U	8 x				2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X07-A1	1U	19"	1U	8 x				2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X11-A1	1U	19"	1U	7 x				2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X02-A1	1U	19"	1U		8 x			2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X04-A1	1U	19"	1U		8 x			2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X06-A1	1U	19"	1U		8 x			2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X08-A1	1U	19"	1U		8 x			2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X12-A1	1U	19"	1U		7 x			2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X09-A1	1U	19"	1U			14 x		2 m 3 x 1,5 mm	IEC320 C14					
RAB-PD-X10-A1	1U	19"	1U			14 x			IEC320 C14					Plug IEC320 C14 is on the PDU, w/o cable
RAB-PD-X51-X1	1274 mm	1U	1U	24x				2 m 3 x 2,5 mm	IEC 60309 16A					
RAB-PD-X52-X1	1281 mm	1U	1U			20 x	4 x	3 m 3 x 6,0 mm	IEC 60309 32A					Each circuit breaker protects one group covering 10 x IEC320 C13 + 4 x IEC320 C19
RAB-PD-X53-X1	1281 mm	1U	1U			20 x	4 x	3 m 3 x 6,0 mm	IEC 60309 32A					Each circuit breaker protects one group covering 10 x IEC320 C13 /anti-fall model/ + 4x IEC320 C19
RAB-PD-X90-C1	1U	10"	1U	4 x				2 m 3 x 1,5 mm	CZ-DE Universal					
RAB-PD-X91-C1	1U	10"	1U		4 x			2 m 3 x 1,5 mm	CZ-DE Universal					

## Surge protection – Varistor protection against pulse overvoltage

Classification in compliance with norms: ČSN EN 61643-11 type 3  
IEC 61643-1 class III  
VDE 0675-6 class D

Surge protection protects the connected devices against pulse overvoltage using varistors, which resistance falls with increasing voltage.

Rating voltage	250 V AC 50/60 Hz
Maximum persist working voltage	300 V AC
Standard discharge current (8/20µs)	5 kA
Nominal discharge current (8/20 µs)	10 kA
Residual voltage (8/20 µs)	< 1000 V
Response time	< 25 ns
Maximum working current	16 A







## POWER DISTRIBUTION 230 V



RAB-PD-X01-A1

### ■ RAB-PD-X01-A1

19" distribution panel 1U, 8 sockets ČSN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, RAL 9005

#### Supply

Screw M6 x 16 with washer ..... 2x  
Captive nut M6 ..... 2x



RAB-PD-X02-A1

### ■ RAB-PD-X02-A1

19" distribution panel 1U, 8 sockets DIN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, RAL 9005

#### Supply

Screw M6 x 16 with washer ..... 2x  
Captive nut M6 ..... 2x



RAB-PD-X03-A1

### ■ RAB-PD-X03-A1

19" distribution panel 1U, 8 sockets ČSN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, lighted master switch with plastic cover, RAL 9005

#### Supply

Screw M6 x 16 with washer ..... 2x  
Captive nut M6 ..... 2x



RAB-PD-X04-A1

### ■ RAB-PD-X04-A1

19" distribution panel 1U, 8 sockets DIN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, lighted master switch with plastic cover, RAL 9005

#### Supply

Screw M6 x 16 with washer ..... 2x  
Captive nut M6 ..... 2x



RAB-PD-X05-A1

### ■ RAB-PD-X05-A1

19" distribution panel 1U, 8 sockets ČSN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, power indicator, RAL 9005

#### Supply

Screw M6 x 16 with washer ..... 2x  
Captive nut M6 ..... 2x



RAB-PD-X06-A1

### ■ RAB-PD-X06-A1

19" distribution panel 1U, 8 sockets DIN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, power indicator, RAL 9005

#### Supply

Screw M6 x 16 with washer ..... 2x  
Captive nut M6 ..... 2x



RAB-PD-X07-A1

**RAB-PD-X07-A1**

19" distribution panel 1U, 8 sockets ČSN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, Varistor surge protection, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X08-A1

**RAB-PD-X08-A1**

19" distribution panel 1U, 8 sockets DIN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, Varistor surge protection, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X09-A1

**RAB-PD-X09-A1**

19" distribution panel 1U, 14 sockets IEC320, max. 10 A, cable 3 x 1.5 mm x 2 m long, IEC320 C14 10 A plug, power indicator, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X10-A1

**RAB-PD-X10-A1**

19" distribution panel 1U, 14 sockets IEC320, max. 10 A, w/o cable, IEC320 C14 input, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X11-A1

**RAB-PD-X11-A1**

19" distribution panel 1U, 7 sockets ČSN standard, max. 16 A switch, surge protection, cable 3 x 1.5 mm x 2 m, DIN49441 16 A plug, FLEX, lighted master switch with plastic cover, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X12-A1

**RAB-PD-X12-A1**

19" distribution panel 1U, 7 sockets DIN standard, max. 16 A switch, surge protection, cable 3 x 1.5 mm x 2 m, DIN49441 16 A plug, FLEX, lighted master switch with plastic cover, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X51-X1

**RAB-PD-X51-X1**

Vertical distribution panel, 24 sockets ČSN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, IEC60309 plug, surge protection, Varistor surge protection, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X52-X1

**RAB-PD-X52-X1**

Vertical distribution panel, 20 sockets IEC320 C13, 4 sockets IEC320 C 19. 2 x 16 A master air circuit breaker, max. 32 A, cable 3 x 6.0 mm x 3 m long, IEC60309 plug, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X53-X1

**RAB-PD-X53-X1**

Vertical distribution panel, 20 sockets IEC320 C13 (anti-fall), 4 sockets IEC320 C 19. 2 x 16 A master air circuit breaker, max. 32A, cable 3 x 6.0 mm x 3 m long, IEC60309 plug, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X90-C1

**RAB-PD-X90-C1**

10" distribution panel, 4 sockets ČSN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x



RAB-PD-X91-C1

**RAB-PD-X91-C1**

10" distribution panel, 4 sockets DIN standard, max. 16 A, cable 3 x 1.5 mm x 2 m long, DIN49441 16 A plug, indicator light, RAL 9005

**Supply**

Screw M6 x 16 with washer ..... 2x  
 Captive nut M6 ..... 2x

**LIGHTING UNIT**



**RAX-OJ-X07-X1**  
LED-diode lighting unit with magnet 1/2U with possibility of fixing on the vertical 19" rails, external power supply 230 V, 315 lm.



**RAB-OP-X07-A1, RAC-OP-X07-A1**  
19" cover/holder for LED-diode lighting unit RAX-OJ-X07-X1



**RAB-OJ-X01-A1, RAC-OJ-X01-A1**  
19" lighting unit 1U, 288 lm

**Supply**

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x

**BREAKER HOLDER**



**RAB-JL-X01-A1, RAC-JL-X01-A1**  
19" rail 3U for circuit breakers with cover, removable, DIN, for 23 modules



**RAB-JL-X01-C1, RAC-JL-X01-C1**  
10" rail 3U for circuit breakers with cover, removable, DIN, for 10 modules



**RAB-JL-X02-A1, RAC-JL-X02-A1**  
19" rail 3U for circuit breakers with cover, DIN, for 22 modules



## EARTHING, MOUNTING PACKETS



RAX-ZL-X15-X1

### RAX-ZL-Xxx-X1

Earthing rail vertical, solid copper 5 x 20 mm

Type	Height (U)	Height (mm)
RAX-ZL-X15-X1	15	667
RAX-ZL-X18-X1	18	800
RAX-ZL-X22-X1	22	978
RAX-ZL-X27-X1	27	1200
RAX-ZL-X32-X1	32	1422
RAX-ZL-X37-X1	37	1645
RAX-ZL-X42-X1	42	1867
RAX-ZL-X45-X1	45	2000

#### Supply

- Screw M5 x 18 Thorx ..... 2x
- Enlarged washer ..... 2x
- Nut ..... 2x



RAX-MO-X09-X1

### RAX-MX-XXX-X1

Installation kit

#### RAX-MO-X03-X1

– Basic packet of components for fixing of device into a cabinet or a frame. It contains a captive nut – 50x, a screw – 50x, plastic washer – 50x.

#### RAX-MO-X09-X1

– Basic packet of components for fixing of device into a cabinet or a frame. It contains a captive nut – 20x, a screw – 20x, plastic washer – 20x.

#### RAX-MS-X19-X1

– Basic packet of components for fixing of device into a cabinet or a frame. It contains a captive nut – 4x, a screw – 4x, plastic washer – 4x.



RAX-ZL-X02-A1

### RAX-ZL-X02-A1

19" earthing rail horizontal, solid copper 5 x 20 mm

#### Supply

- Screw M6 x 12 Thorx ..... 2x
- Plastic pad ..... 2x
- Captive nut M6 ..... 2x



RAX-SV-X01-X1

### RAX-SV-X01-X1

Earthing clamp



RAX-MS-X84-X1

### RAX-MS-X84-X1

Earthing module on DIN rail designed for mounting on a 19" vertical, 36 earthing connections





## 10" ACCESSORIES



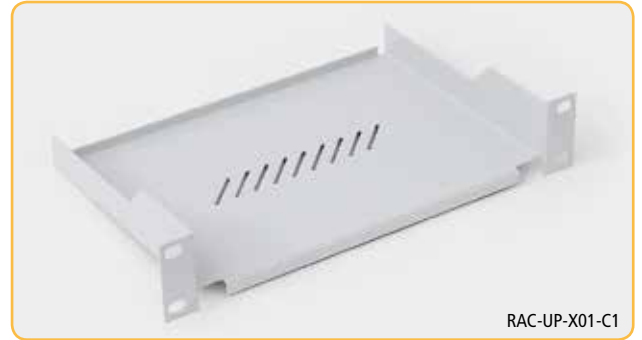
RAB-PP-X03-C1

### RAB-PP-X03-C1, RAC-PP-X03-C1

10" modular patch panel for max. 10 keystone modules

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAC-UP-X01-C1

### RAB-UP-X01-C1, RAC-UP-X01-C1

10" shelf

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAC-FO-X01-C1

### RAB-FO-X01-C1, RAC-FO-X01-C1

10" fibre optic box 1U, 8 ST connectors

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAC-FO-X01-C2

### RAB-FO-X01-C2, RAC-FO-X01-C2

10" fibre optic box 1U, 8 SC connectors

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-ZP-X01-C1

### RAB-ZP-X01-C1, RAC-ZP-X01-C1

10" blanking panel 1U

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



RAB-VP-X02-C1

### RAB-VP-X02-C1, RAC-VP-X02-C1

10" cable management panel 1U, a small ring 3x

#### Supply

Screw M6 x 10 .....	4x
Plastic washer .....	4x
Captive nut M6 .....	4x



## LOCKS



RAX-MS-X07-X1

### ■ RAX-MS-X07-X1

Key lock for wall-mounted rack, universal key



RAX-MS-X09-X1

### ■ RAX-MS-X09-X1

Key lock for side panels of free-standing racks



RAX-MS-X25-X1

### ■ RAX-MS-X25-X1

Lock for handles of free-standing cabinets



RAX-ZM-X04-X1

### ■ RAX-ZM-X04-X1

Lock for back panel suitable for RMA, RZA – 1 pair



RAX-MS-X10-X1

### ■ RAX-MS-X10-X1

Standard keys for the front doors of wall-mounted and free-standing cabinets



## TRITÓN® LOCKING SYSTEM



RAX-MS-X35-X1

RAX-MS-X68-X1

PATENT: 2013-27443



RAX-MS-X36-X1

Triton plastic swing handle brings revolutionary innovation. Just by replacing the plastic inlet you can choose classic or half-cylindrical lock. Even while in use, on fully equipped cabinet you can easily switch simply by changing a few parts at a higher security level or the general key systems. Half-cylindrical lock must have an adjustable rotating latch

The handle is not compatible with the older model.



### ■ MULTI POINT LOCKING SYSTEMS

We have been supplying these systems for many years and especially cabinets with a high IP rating could not exist without them. With the new handle comes also the ability to use a wider range of lever and sliding multipoint locking systems from reputable manufacturers.



RAX-ZK-X11-X1

### ■ RAX-ZK-X11-X1

Handle with code lock.



## DOOR HINGES



RAX-MS-X12-X1

### ■ RAX-MS-X12-X1

Door hinge for wall-mounted fibre optic boxes



RAX-MS-X13-X1

### ■ RAX-MS-X13-X1

Door hinge for free-standing and wall-mounted cabinets. Max. loading capacity of 1 piece is 15 kg

#### Supply

Screw M5 x 12 ..... 2x  
Nut M5 ..... 2x



RAX-MS-X14-X1

### ■ RAX-MS-X14-X1

Side hinge for double sectioned wall-mounted cabinets

#### Supply

Screw M5 x 12 ..... 4x  
Nut M5 ..... 4x



RAX-MS-X20-X1

### ■ RAX-MS-X20-X1

Triton plastic hinge for flat-pack, RKA and 10" cabinets



RAX-MS-X22-X1

### ■ RAX-MS-X21-X1, RAX-MS-X22-X1

Hook-on door hinge for free standing cabinets. Loading capacity of one hinge is 15 kg.

Type	Hinge orientation
RAX-MS-X21-A1	left
RAX-MS-X22-A1	right

#### Assembly set

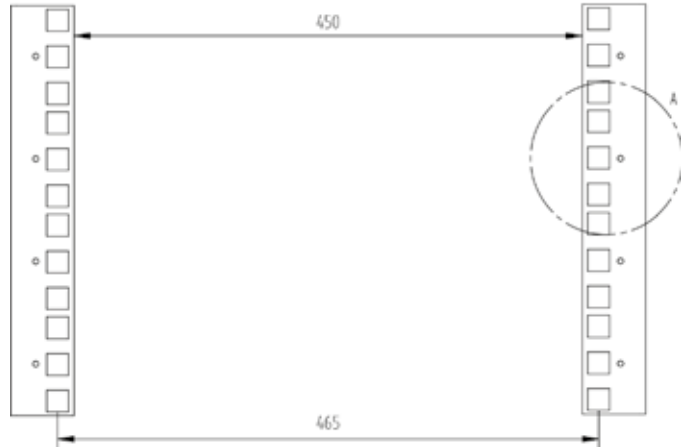
Screw M5 x 12 ..... 2x  
Nut M5 ..... 2x



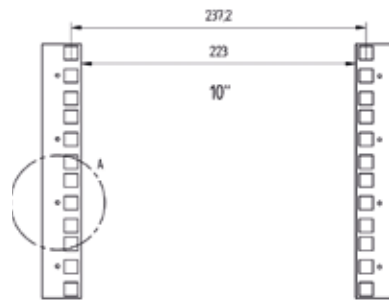
# ▶ TECHNICAL SUPPORT

## 1. Vertical rail

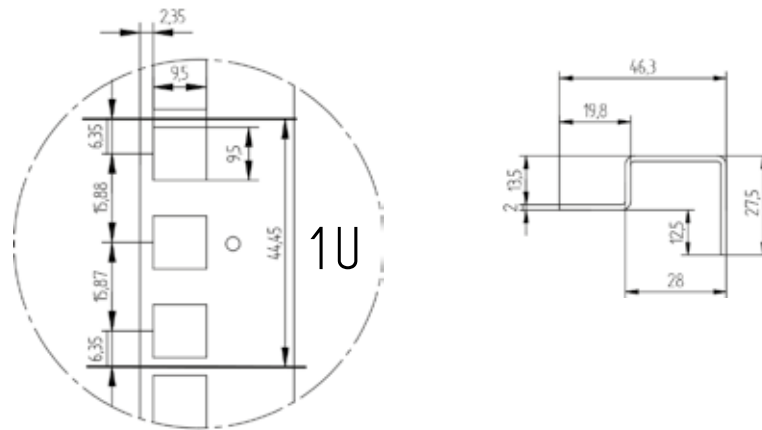
19" system



10" system

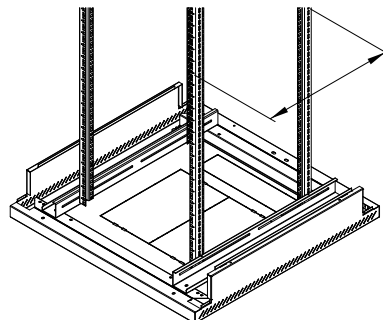


Detail A



## 2. Maximum spacing of vertical rails at free-standing cabinets

800 x 600	- 470 mm
800 x 800	- 670 mm
800 x 900	- 770 mm
800 x 1000	- 870 mm
800 x 1100	- 970 mm
800 x 1200	- 1070 mm
600 x 600	- 510 mm
600 x 800	- 710 mm
600 x 900	- 810 mm
600 x 1000	- 910 mm
600 x 1100	- 1010 mm
600 x 1200	- 1110 mm





### 3. Maximum available depths in free-standing and wall-mounted cabinets

#### Free-standing cabinets

800 x 600	– 575 mm
800 x 800	– 775 mm
800 x 900	– 875 mm
800 x 1000	– 975 mm
800 x 1100	– 1075 mm
800 x 1200	– 1175 mm
600 x 600	– 575 mm
600 x 800	– 775 mm
600 x 900	– 875 mm
600 x 1000	– 975 mm
600 x 1100	– 1075 mm
600 x 1200	– 1175 mm

#### Wall-mounted cabinets

AS3	– 200 mm
AS4	– 360 mm
AS5	– 460 mm
AS6	– 560 mm
AD2	– 260 mm
AD5	– 480 mm
AD6	– 580 mm

### 4. Spacing between the front vertical rail and the door glass at the maximum span

#### Free-standing cabinets

600 x	– 35 mm
800 x	– 50 mm

#### Wall-mounted cabinets

RBA	– 25 mm
RBA 10"	– 30 mm
RFA	– 20 mm
RKA	– 30 mm
RUA	– 50 mm
RXA	– 35 mm

### 5. Spacing between the rear vertical rail and the rear cover at the maximum span

600 x	– 37 mm
800 x	– 55 mm

### 6. Units of measurements (unit/inch)

unit	= 44.45 mm
inch	= 25.4 mm
unit	= 1.75 inch

### 7. Basic dimensions of universal feet for a free standing cabinet:

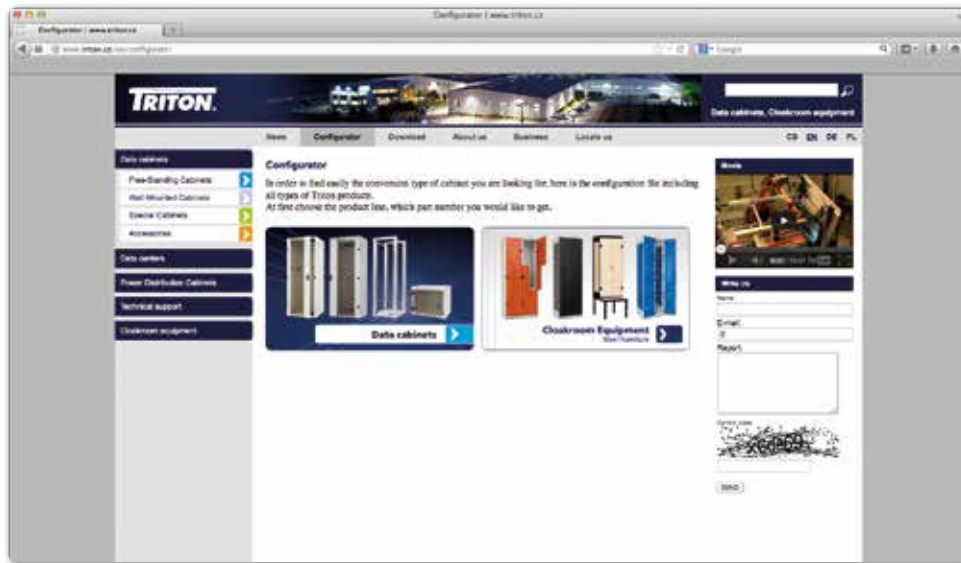
Screw:	M10
Uplift:	6 mm

### 8. Sliding shelf - spacing between vertical rails into the depth of the cabinet for fixing the shelf

RAx-UP-X30-A1:	minimum 350 mm, maximum 500 mm
RAx-UP-X31-A1:	minimum 450 mm, maximum 630 mm



## CONFIGURATOR

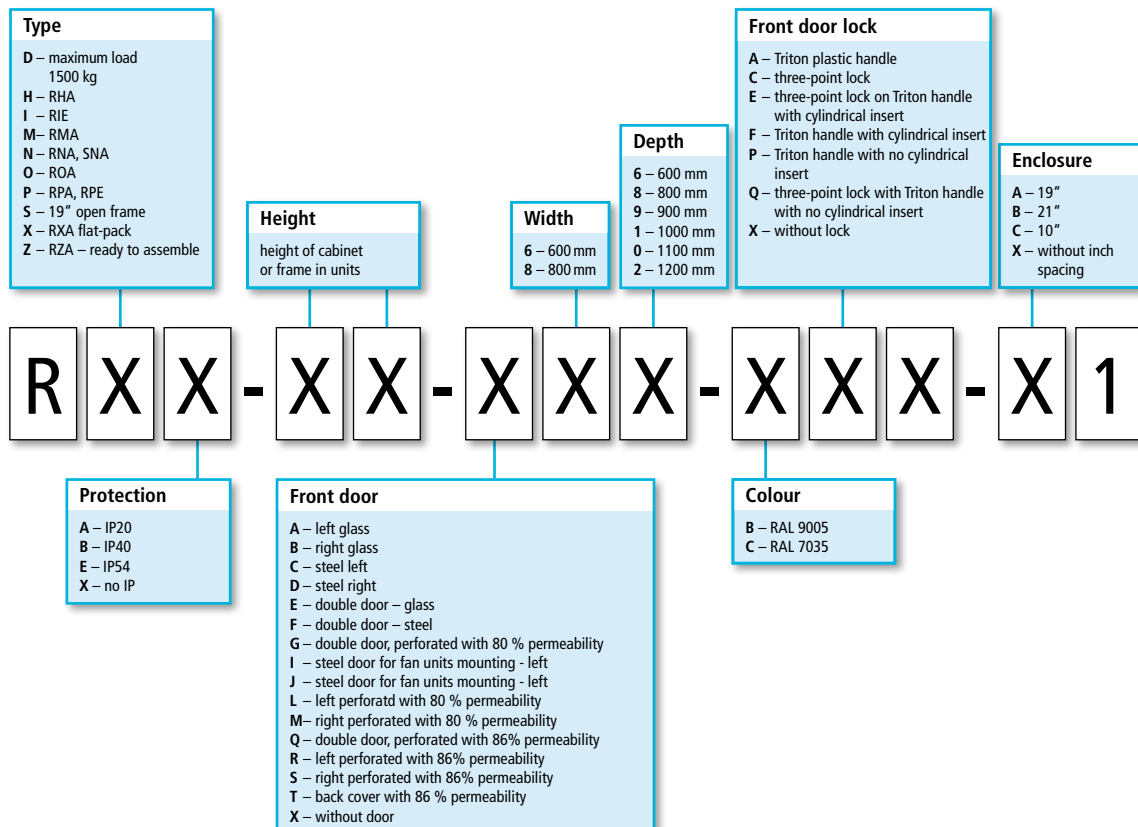


To help you with selecting the right type of product for your needs we have prepared a configurator of Triton products. **Create a product code** of cabinet as per your needs.

Exact specification of free-standing cabinets can be found in our configurator on web page <http://www.triton.cz/en/configurator>

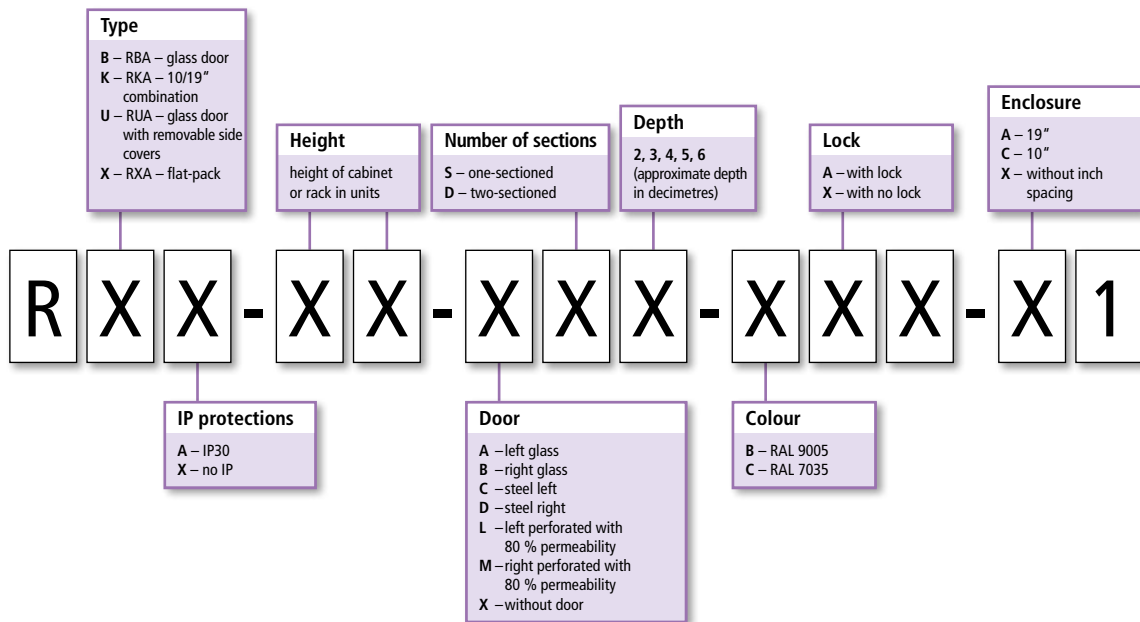


## PART NUMBERING OF FREE-STANDING CABINETS

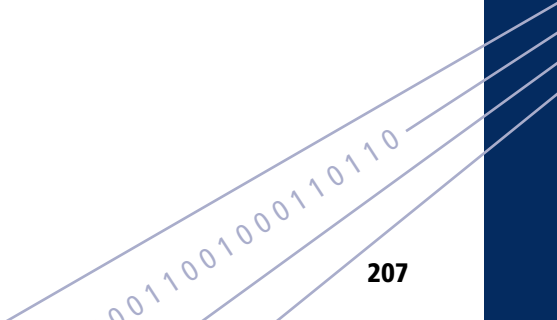
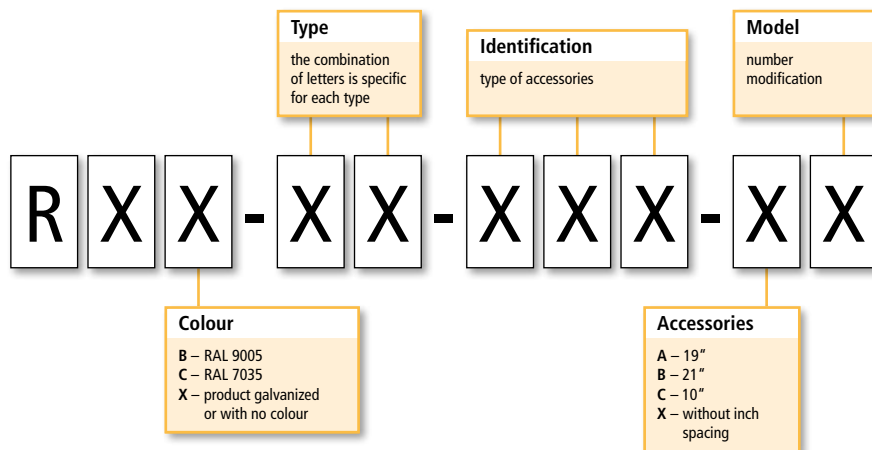




## PART NUMBERING OF WALL-MOUNTED CABINETS



## PART NUMBERING OF ACCESSORIES





# CERTIFICATION



■ ISO 9001-2008



■ ISO 14001-2004



■ OHSAS 18001-2007



■ RIE



■ RMA



■ RZA



■ RDA



■ RPA



■ RXA







■ Ventilation units



■ Power distribution



■ Castors, assembly material



■ Base filters



■ Panels and accessories



■ 19" Cabinets and open frames



■ Blanking panels, fan units, bases



■ Earthing rails



Current certificate versions are at your disposal here: <http://www.triton.cz/en/download/certificates>



## PACKING, TRANSPORTATION, WARRANTY

### Packing

Edges are protected by a highly resistant polyurethane foam and the whole cabinet is protected with shrink-wrap against dust and scratching during transportation. Free standing cabinets are delivered on wooden pallets.

### Transportation

Transportation is provided via our contract carriers.

### Warranty

Triton focuses a great deal on the quality of its products. In the rare occurrence of a problem with defective material or function it is covered by our warranty. Most products have a warranty of 24 months, except for the air conditioning unit which has a warranty for one year. The warranty begins upon dispatch from our central warehouse. If the air conditioning units are installed and started up by our certified technicians, then the warranty period will begin from the time of initial launch. If necessary, please contact your supplier who will arrange all the necessary information to deal with the situation.



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## MARKETING – TRADE FAIRS

Triton focuses a great deal on marketing its products. We place emphasis on personal contact with the customer. Presenting the products we manufacture personally to customers is a little complicated because of their size and weight. Therefore, we focus on exhibitions, where we regularly invite our partners and customers. Our first major exhibition was INVEX in 1995, and we attended four times in a row. With the growth of the company and its success abroad, it was necessary to present our products on the European market. Since 1998 we have regularly and continuously participated

in CeBIT, Europe's largest IT fair in Hanover, Germany. This year marks the beginning of our rocket growth and European wide success of our solutions. Participation in exhibitions is an opportunity for us to introduce both to our partners and to a wider audience new and innovative products; here we also show original solutions and future development directions.

At the same time we receive very important feedback from our customers, comments and suggestions for changes or improvements.







Not only the cabinet market but of course exhibitions are also changing. In particular, mainly due to the influence of the Internet smaller exhibitions are gaining importance, which are more accessible for busy people. Therefore it is possible to find our displays beside major exhibitions at many smaller, regional presentations. Needless to say we also support our partners in these activities. Our cabinets can be found in places such as the Eliaden exhibition in Lillestrom, Norway or the EnergoTab exhibition in Poland, but our products can be seen at exhibitions throughout Europe. Besides exhibitions we attend various conferences, seminars and panel discussions where we see the development of requirements for cabinets and other products from our portfolio.





## TRITON SHOWROOM

There is no better argument for something than the demonstration of a particular sample. For this purpose, we have prepared a presentation center with samples of our cabinets, with a data center and other products. Here you can upon agreement show to your customers all the benefits of different models during a personal visit.

If interested in a personal visit with us please do not hesitate to arrange a date.







## MARKETING – SHOW TRUCK

In order to improve our support, we have acquired a mobile presentation workplace which is ready to go out to your important or potential clients and to present the TRITON company products.

With this, we will make an effort to support your sales activities which we greatly appreciate.

The van in the photographs is equipped with up-to-date presentation facilities, samples of the TRITON products, a bar and a place for making refreshments. When necessary, even a power unit can be connected, thus we are not dependent on a power supply in the presentation venue.

You can order **an attendance of our presentation van** including a trained lector on: Phone: +420 467 401 111, Or by email: [sale@triton.cz](mailto:sale@triton.cz)





## SEF - Adjustable power distribution cabinet

A distribution cabinet for distribution, installation and control systems. The cabinets can be used alone or fixed to other cabinets. IP55, load capacity 600 kg



## SAC - Power distribution cabinet

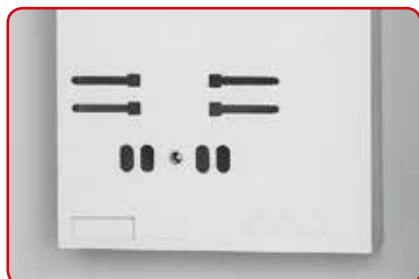
This cabinet is primarily intended for industrial installations and applications. IP65, load capacity 30 kg





## SBA, SFA - Power metering cabinet

Power distribution cabinet for measuring systems.  
Designed to be installed under plaster  
or on a wall; in two sizes  
IP30, load capacity 30 kg



## SCA, SDA - Installed power distribution cabinet

Distribution cabinet for home distribution  
systems. Designed to be mounted  
on the wall or under the plaster.  
IP30, load capacity 30 kg



## Stainless steel design

It is possible to make all shown cabinets  
in stainless steel design.





## CLOTHES LOCKERS AND CLOAK ROOM EQUIPMENT

Due to the development of our factory building and modernization of our production processes in 2008, we have succeeded in extending the assortment of products intended for cloakrooms, workshops and offices. To all our customers we offer a personal attitude and complete services from drafting a project to its final completion. The high level of our services is confirmed by many satisfied customers who contact us again and again. Also the share of new customers is not to be overlooked, who contact us on the basis of current customers' recommendation.

Our main target is not only the top quality of final product, but also its exclusive design.

### Our product line includes:

- Clothes lockers and compartment lockers in combination of steel and laminated chipboard
- Steel clothes lockers and compartment lockers
- Exclusive lockers
- Design lockers
- Key lockers
- Shoe lockers under the clothes lockers
- Cloakroom benches and seats
- Golf lockers
- Fire lockers and lockers for rescue services

We provide these products to **hospitals, schools, retirement homes, fitness facilities, companies, aqua parks, fire and rescue brigades and golf clubs.**

### More information

tel.: +420 467 401 111, e-mail: info@satniskrinky.cz

[www.clotheslockers.eu](http://www.clotheslockers.eu)









**TRITON®**

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[www.garderobenspinde.de](http://www.garderobenspinde.de)