

Heavy-duty cabinet RDA

Welded server cabinet, IP20, capacity 1800 kg



Loading capacity 1800 kg The RDA data cabinet has a reinforced construction and it is made of 2mm thick 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.



Power distribution unit inside of cabinet frame 2U PDU holder (optional accessory) mounted on a wide skeleton strut.



Cooling air intake (A3, A7) 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 installed directly on the floor without levelling feets.



Flex frame (for 800mm wide cabinets) This system allows for vertical rail installation in 19", 21" and 23" spans according to the specific needs of equipment in use.



Skeleton perforation The RMA cabinet has a perforated skeleton to ensure access of cooling air to the equipment inside. The installation of fan units can further generate cool air.





Wider body rails

Wider rails of the cabinet skeleton are intended for an additional installation of accessories, such as power distribution units or vertical cable management panels, which 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 wide cabinet type.



Triton handles

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



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.



Bonding All detachable parts are bonded in compliance with the relevant standards.

The RDA data cabinet has a robust welded construction with high load capacity. It is designed for demanding applications data and telecommunications centres. 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. Slightly different versions (A3, A7) are developed for "Data centers". The difference is given by screwed side panels, cable entries and hole in the floor of cabinets.









Doors

Single or double wing doors in the variants of solid metal, perforated (80% and 86% permeability) or glazed with 4 mm safety tempered glass, which can be on the front and back of the cabinet. In the picture, the door with 86% permeability.

RDA 600 x 800								
Туре	A	В	с	D	E	Weight	Weight	Maximal recommended load
		(mm)					net (kg)	(with legs or base)
RDA-37-L68-CAX-Ax-GDA	1750	1648	497	600	800	104,3	96,0	
RDA-42-L68-CAX-Ax-GDA	1970	1868	497	600	800	113,3	104,8	1800 kg
RDA-45-L68-CAX-Ax-GDA	2105	2003	497	600	800	118,8	110,1	1800 kg
RDA-47-L68-CAX-Ax-GDA	2194	2092	497	600	800	121,6	113,0	

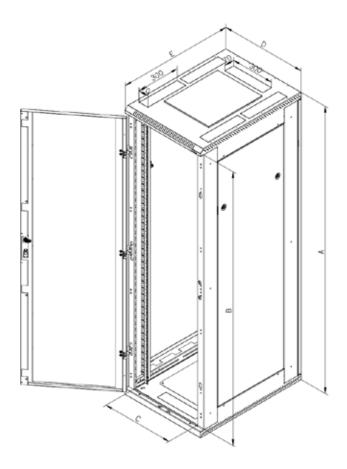
RDA 600 x 1000

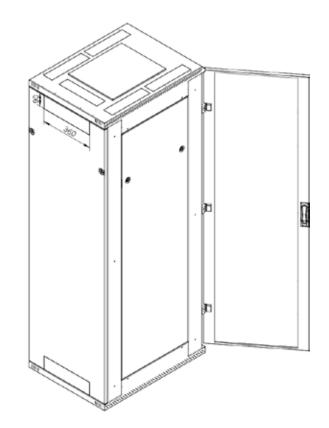
Туре	A	В	с	D	E	Weight	Weight	Maximal recommended load
	(mm)					gross (kg)	net (kg)	(with legs or base)
RDA-37-L61-CAX-Ax-GDA	1750	1648	497	600	1000	121,8	110,9	
RDA-42-L61-CAX-Ax-GDA	1970	1868	497	600	1000	131,7	120,7	1800 kg
RDA-45-L61-CAX-Ax-GDA	2105	2003	497	600	1000	137,8	126,8	1800 kg
RDA-47-L61-CAX-Ax-GDA	2194	2092	497	600	1000	141,1	130,1	

RDA 600 x 1100								
Туре	Α	В	с	D	E	Weight	Weight	Maximal recommended load
		(mm)					116,9	(with legs or base)
RDA-37-L60-CAX-Ax-GDA	1750	1648	497	600	1100	129,8	116,9	
RDA-42-L60-CAX-Ax-GDA	1970	1868	497	600	1100	140,1	127,1	1800 kg
RDA-45-L60-CAX-Ax-GDA	2105	2003	497	600	1100	146,4	133,4	1800 Kg
RDA-47-L60-CAX-Ax-GDA	2194	2092	497	600	1100	149,9	136,8	

RDA 600 x 1200								
Туре	A	В	с	D	E	Weight	Weight	Maximal recommended load
		(mm)					net (kg)	(with legs or base)
RDA-37-L62-CAX-Ax-GDA	1750	1648	497	600	1200	133,3	121,1	
RDA-42-L62-CAX-Ax-GDA	1970	1868	497	600	1200	145,9	133,6	1800 kg
RDA-45-L62-CAX-Ax-GDA	2105	2003	497	600	1200	152,4	140,1	
RDA-47-L62-CAX-Ax-GDA	2194	2092	497	600	1200	154,9	142,7	

With exact configuration will help you program on our website www.triton-racks.com/configurator/.





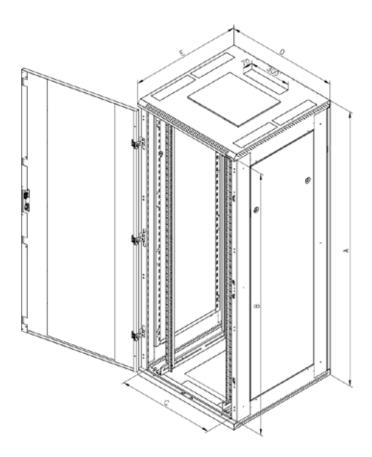
RDA 800 x 800								
Туре	Α	В	с	D	E	Weight	Weight	Maximal recommended load
		(mm)					net (kg)	(with legs or base)
RDA-37-L88-CAX-Ax-GDA	1750	1648	697	800	800	153,8	139,4	
RDA-42-L88-CAX-Ax-GDA	1970	1868	697	800	800	129,9	120,1	1800 kg
RDA-45-L88-CAX-Ax-GDA	2105	2003	697	800	800	135,5	125,6	1800 kg
RDA-47-L88-CAX-Ax-GDA	2194	2092	697	800	800	135,5	125,6	

RDA 800 x 1000

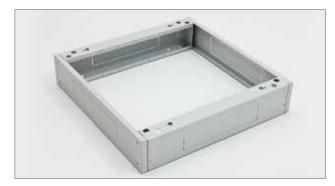
Туре	Α	В	с	D	E	Weight	Weight	Maximal recommended load
	(mm)					gross (kg)	net (kg)	(with legs or base)
RDA-37-L81-CAX-Ax-GDA	1750	1648	697	800	1000	138,7	128,7	
RDA-42-L81-CAX-Ax-GDA	1970	1868	697	800	1000	141,1	137,6	1800 kg
RDA-45-L81-CAX-Ax-GDA	2105	2003	697	800	1000	157,5	143,8	1800 kg
RDA-47-L81-CAX-Ax-GDA	2194	2092	697	800	1000	161,0	147,4	

RDA 800 x 1100								
Туре	Α	В	с	D	E	Weight	Weight	Maximal recommended load
		(mm)					net (kg)	(with legs or base)
RDA-37-L80-CAX-Ax-GDA	1750	1648	697	800	1100	147,6	134,6	
RDA-42-L80-CAX-Ax-GDA	1970	1868	697	800	1100	158,2	145,1	1800 kg
RDA-45-L80-CAX-Ax-GDA	2105	2003	697	800	1100	164,6	151,6	1800 kg
RDA-47-L80-CAX-Ax-GDA	2194	2092	697	800	1100	169,7	155,1	

RDA 800 x 1200								
Туре	Α	В	с	D	E	Weight	Weight	Maximal recommended load
		(mm)					3	(with legs or base)
RDA-37-L82-CAX-Ax-GDA	1750	1648	697	800	1200	153,8	139,4	
RDA-42-L82-CAX-Ax-GDA	1970	1868	697	800	1200	166,8	152,2	1800 kg
RDA-45-L82-CAX-Ax-GDA	2105	2003	697	800	1200	173,5	158,8	
RDA-47-L82-CAX-Ax-GDA	2194	2092	697	800	1200	177,3	162,5	







Туре	Dimensions (mm)	Maximum recom- mended load (kg)
RAx-PO-X66-XD	600 x 600	1900
RAx-PO-X68-XD	600 x 800	1900
RAx-PO-X69-XD	600 x 900	1900
RAx-PO-X61-XD	600 x 1000	1900
RAx-PO-X60-XD	600 x 1100	1900
RAx-PO-X62-XD	600 x 1200	1900
RAx-PO-X86-XD	800 x 600	1900
RAx-PO-X88-XD	800 x 800	1900
RAx-PO-X89-XD	800 x 900	1900
RAx-PO-X81-XD	800 x 1000	1900
RAx-PO-X80-XD	800 x 1100	1900
RAx-PO-X82-XD	800 x 1200	1900

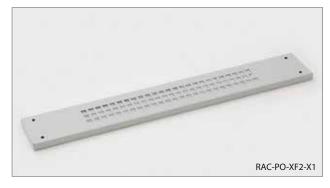
RAB-PO-Xxx-XD, RAC-PO-Xxx-XD

The base is fully universal, which means that it is usable for all types of free-standing cabinets except 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 XD series have a load capacity 1900 kg.

Supply includes

- 2x side base profile with a cable entry (with breakout-type blanking panels)
- 2x cover with cable openings (with breakout-type blanking panels)
- 1x cover with a filter
- 1x anti-dust brush
- 4x Screw M10 x 30
- 4x Washer 10,5
- 8x Screw M5 x 30

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.



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

RAB-PO-XFx-X1, RAC-PO-XFx-X1 Filter for bases.

Supply

Screw M5 x 30 4x



RAB-SS-X01-X1, RAC-SS-X01-X1 Stabilizers for free-standing cabinets.

Supply

Screw M5 x 12 4x



Cabinet depth	Cabinet width (mm)								
(mm)	600	800							
600	RAX-VP-X77-X1	RAX-VP-X83-X1							
800	RAX-VP-X78-X1	RAX-VP-X84-X1							
900	RAX-VP-X79-X1	RAX-VP-X85-X1							
1000	RAX-VP-X80-X1	RAX-VP-X86-X1							
1100	RAX-VP-X81-X1	RAX-VP-X87-X1							
1200	RAX-VP-X82-X1	RAX-VP-X88-X1							

RAX-VP-Xxx-X1

Installation cable management bar for RMA, RZA, RTA, RYA, RDA.

For the correct use of the optional Accessories the following instructions are important:

- install the cabinet on a level and sufficiently firm floor

- place at least 65% of the load in the the lower half of the height of the cabinet

- ensure that the load is evenly distributed between the front and rear vertical rails

- when taxiing with a cabinet, comply with the relevant standards.

Calculation of the load capacity of one wheel:

*Total weight of the cabinet (i.e. own weight + installed accessories) / 3 = load capacity of one castor.

The load capacities of the castors are applicable for travel speed up to 4 km/h on level ground and smooth surface at ambient temperature in the range of 10-30 $^{\circ}$ C.

All dimensions, load capacities and tolerances correspond to following standards: EN 12527-12533, DIN 7845.



	Cabinet width (mm)							
Cabinet depth (mm)	600	800						
600	RAX-RK-T66-X1	RAX-RK-T86-X1						
800	RAX-RK-T68-X1	RAX-RK-T88-X1						
900	RAX-RK-T69-X1	RAX-RK-T89-X1						
1000	RAX-RK-T61-X1	RAX-RK-T81-X1						
1100	RAX-RK-T60-X1	RAX-RK-T80-X1						
1200	RAX-RK-T62-X1	RAX-RK-T82-X1						

RAX-RK-Txx-X1

Castors with reinforcing fram

Castors with reinforcing frame for RTA, RYA, RDA, RDE type enclosures. Must be ordered according to the floor plan of the cabinet.

Max. load capacity when using RAX-RK-Txx-X1: - 1500 kg including the weight of the cabinet.

The height of the cabinet is increased by 143 mm.

Set

Castors with a brake	2x
Castors without a brake	2x
Screw M5 x 12 Thorx	16x
Screw M5 x 20 Thorx	16x
Flat washer 5,3	16x
U-profile	4x



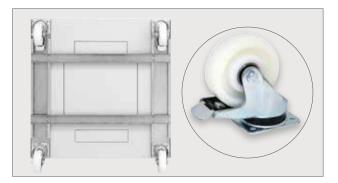
RAX-MS-X47-X1

Direct mounting castors set with max. recommended load capacity*:

- 500 kg for type RTA, RYA, RDA, RDE 600 mm wide,
 - 600 kg for type RTA, RYA, RDA, RDE 800 mm wide.
 The height of the cabinet is increased by 155 mm.

Set

Castors with a brake	2x
Castors without a brake	2x
Screw M5 x 20 Thorx	16x
Flat washer 5,3	16x



Cobinet denth	Cabinet width (mm)	
Cabinet depth (mm)	600	800
600	RAX-RK-H66-X1	RAX-RK-H86-X1
800	RAX-RK-H68-X1	RAX-RK-H88-X1
900	RAX-RK-H69-X1	RAX-RK-H89-X1
1000	RAX-RK-H61-X1	RAX-RK-H81-X1
1100	RAX-RK-H60-X1	RAX-RK-H80-X1
1200	RAX-RK-H62-X1	RAX-RK-H82-X1

RAX-RK-Hxx-X1

Castors with reinforcing fram

Castors with reinforcing frame for RTA, RYA, RDA, RDE type enclosures. Must be ordered according to the floor plan of the cabinet.

Max. recommended load capacity:

- 1600 kg for type RTA, RYA,
- 1900 kg for type RDA, RDE.

The height of the cabinet is increased by 168 mm.

Set

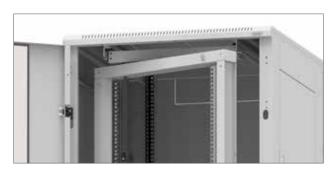
Castors with a brake	2x
Castors without a brake	2x
Screw M5 x 12 Thorx	16x
Screw M5 x 20 Thorx	16x
Flat washer 5,3	16x
U-profile	



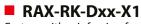
Cabinet depth (mm)	Cabinet width (mm)	
	600	800
600	RAX-RK-D66-X1	RAX-RK-D86-X1
800	RAX-RK-D68-X1	RAX-RK-D88-X1
900	RAX-RK-D69-X1	RAX-RK-D89-X1
1000	RAX-RK-D61-X1	RAX-RK-D81-X1
1100	RAX-RK-D60-X1	RAX-RK-D80-X1
1200	RAX-RK-D62-X1	RAX-RK-D82-X1

Swing frame

■ All 800 mm wide Triton cabinets can be equipped with a swing frame for mounting devices that require rear access. The swing frame reduces the usable height of the cabinet by 5U and can support up to 150 kg. The frame has two locks for securing it when closed. The distance of the swing frame from the cabinet doors







Castors with reinforcing fram

Castors with reinforcing frame for RMA, RZA, RTA, RYA, RDA, RDE type enclosures. Must be ordered according to the floor plan of the cabinet. **Max. recommended load capacity:** - **900 kg** for type **RMA**, **RZA**,

- 1050 kg for type RTA, RYA, RDA, RDE.

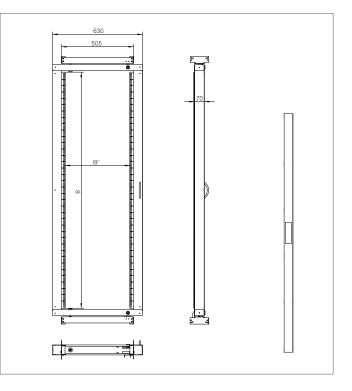
The height of the cabinet is increased by 158 mm.

Set

Castors with a brake	2x
Castors without a brake	2x
Screw M5 x 12 Thorx	16x
Screw M5 x 20 Thorx	16x
Flat washer 5,3	16x
U-profile	

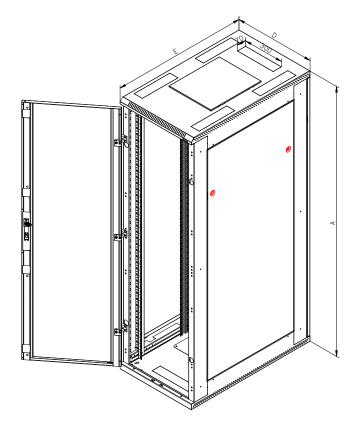
can be smoothly adjusted. The position of the frame affects the maximum usable depth of the mounted devices. When mounted in the optimal position, it can accommodate a 19" device with a depth of up to 300 mm. The swing frame can be mounted simultaneously with 19" verticals.

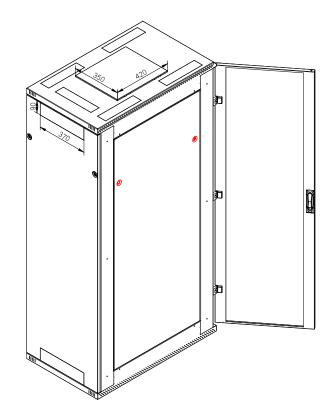
Swing frame	Cabinet height (U)	B (U) Usable frame height
RAC-VM-A17-A1	22	17
RAC-VM-A22-A1	27	22
RAC-VM-A27-A1	32	27
RAC-VM-A32-A1	37	32
RAC-VM-A37-A1	42	37
RAC-VM-A40-A1	45	40
RAC-VM-A42-A1	47	42



Variant A1

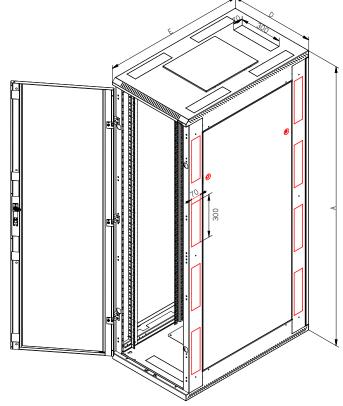
- with metal bottom,
- base, levelling feet and castors possible,
 side panels fixed by locks

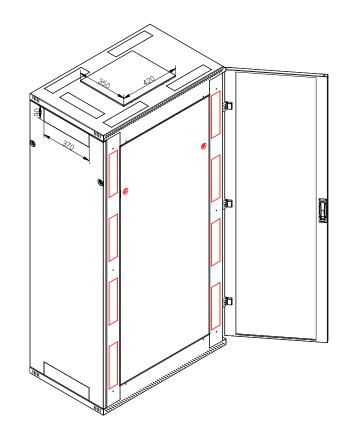




Variant A5

- with metal bottom
- base, levelling feet and castors possible
 side panels fixed by locks
- breakout cable entries in skeleton

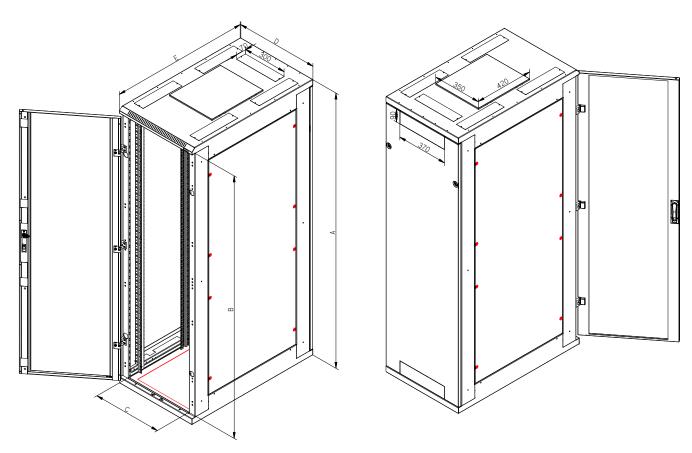




Variant A3 for data centers

- without metal bottom

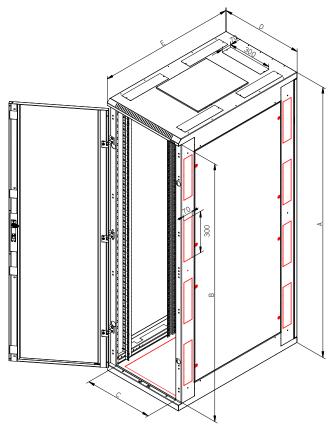
- side panels fixed by recessed screws fromt the outside (from inside possible on request)

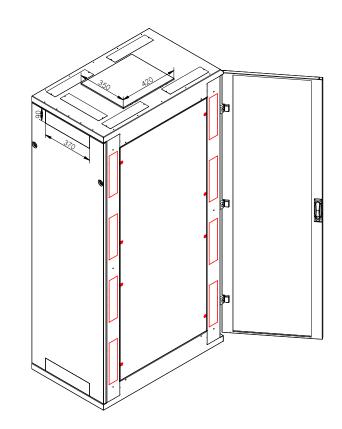


Variant A7 for data centers

- without metal bottom

- side panels fixed by recessed screws fromt the outside (from inside possible on request)
- breakout cable entries in skeleton





RDA free-standing cabinet

A universal cabinet for data and telecommunication purposes. High capacity for demanding applications, a large selection of sizes and options together with a wide selection of accessories and excellent development make it the best-selling cabinet in our range.

PRODUCT DETAILS

Rigid construction

The RDA has a robust welded construction that is made completely of 2 mm thick material. High quality workmanship and the latest technology ensure excellent 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. The double wing doors are equipped with hook-on hinges.

Tritón handles

We manufacture our own handles for the free-standing cabinets. By replacing the plastic module (not included), a half-cylindrical lock insert can be fitted. Patent: PUV 2013-27443

Adjustable vertical rails

Reinforced 19" vertical rails for higher load capacity can be infinitely adjusted at any depth of the cabinet. This simplifies mounting of the devices and the organisation of the patch cables.

Removable side panels and rear cover

The RDA is a cabinet with a welded skeleton, removable side panels and rear cover. Panels are attached to the skeleton by locks, as standard with a uniform key (variants A1 and A5). Variants A3 and A7 has panels secured by safety recessed screws.

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.

Break-out blanking panels

The cable entries of the cabinet are covered with break-out covers (variant A1 and A5). In the case of A3 and A7, the covers are screwed on. The cables in the opening can be sealed against the ingress of dust with a brush. To protect the cables from damage, a fringe edge is used (both supplied with the cabinet).

Opening for a fan unit

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

Castors, levelling feet, base

The cabinet can be placed on levelling feet (included) or, with optional equipment, on a base, castors or heavy-duty castors with reinforcing frame.

Rear side of the cabinet

There are two cable entries on the rear wall of the cabinet covered with breakout panels. One is at the top and the other at the bottom edge of the cover. The other cable entries are on the ceiling and in the base of the cabinet.

Perforation of the skeleton

The RDA cabinets have a perforated skeleton to provide cooling air access to the installed technology. Cooling can be supported by the installation of fan units.

Bonding

All detachable parts are bonded together according to the requirements of the relevant standard.

Flex frame

(valid for 800mm wide cabinets) The system allows the installation of sliding rails in 19", 21" and 23" spans. Another option is to shift the 19" vertical rail spacing to one side to provide more space on the other side.

Middle pair of vertical rails

For enclosures deeper than 800 mm, a third pair of vertical rails for mounting the technology is supplied as standard. Thanks to their open profile, they do not restrict the installation of deeper equipment. Shorter devices can be mounted on the central vertical rail using different types of brackets (optional accessories).

Wide skeleton rails

The wide skeleton rails are designed for the additional installation of accessories, such as power distribution units or vertical cable management panels that do not occupy the 19" units inside cabinet. Thanks to the design, the power distribution panels do not limit the use of slide-out servers even in 600 mm wide cabinets.

Accessories in skeleton rails

The skeleton rails have mounting holes on the inner edges throughout their entire height. The holes are at the unit spacing of the vertical rails and can be used for mounting certain types of accessories.

Skeleton rails on A5 and A7 versions

The "A5" and "A7" versions (at the end of the cabinet code) have in skeleton rails the cable entries with break-out covers to allow patch cords to be routed between the adjacent cabinets.

OPTIONAL ACCESSORIES

RAC-VP-D5x-X1

Horizontal cable management panel. Installation in the skeleton (rail) of the cabinet.

RAX-VP-Vxx-X2

Vertical cable management panel. Installation in the cabinet skeleton rail.

Power distribution units

Possibility of installing the PDU in the skeleton rails of the cabinet using a bracket (optional accessory).

Swing frame

All 800mm wide RDA cabinets can be equipped with a swing frame with a load capacity of 150kg. Maximum available depth of the 19" equipment is 330 mm.

DESCRIPTION, USAGE

- 19" free-standing cabinet with IP20 protection.
- Cabinet includes 4 adjustable 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 versions of solid metal, perforated (80% and 86% air permeability)
- or glazed with safety tempered glass 4 mm (they can be on the front or back of the cabinet),
- ready for installation of vertical cable management panels and power distribution units including mounting brackets into the skeleton of the cabinet,
- preparation for easy joining of cabinets into larger assemblies.
- Max. permissible load of the door is 20 kg.
- Min. thickness of the surface finish is 65 $\mu m.$
- 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 bonded with flexible cables that have to be properly fixed and inserted into connectors throughout the period of use of the cabinet.
- There is one M8 screw placed on the bottom part of the cabinet as a central earthing point..
- Cable openings covered with breakout-type blanking panels are placed in the top and the bottom part of the cabinet.
- The "A5" and "A7" versions have in skeleton rails the cable entries with break-out covers to allow patch cords to be routed between the adjacent cabinets.
- The maximum recommended static load of the cabinet is 800 kg using levelling feet or a base.

ADDITIONAL INFORMATION

Operating conditions

- Operating environment:
- the indoor environment,
- the cabinet is not intended for outdoor installations and for installations in environment that can negatively influence 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 capacity),
 - installation of equipment that adversely affects the operation and function of the cabinet or installed equipment,
 - change of the construction or design of the cabinet.
- When using the RAX-MS-X47-X1 castor set for direct mounting on the cabinet (the height of the cabinet is increased by 155 mm), the maximum total load capacity must be observed including the weight of the cabinet:
 - 500 kg for type RTA, RYA, RDA, RDE 600 mm wide,
 - 600 kg for type RTA, RYA, RDA, RDE 800 mm wide.

- When using the RAX-RK-Dxx-X1 castor set with reinforcing frame (RAX-MS-X47-X1 castors included), the maximum total load capacity is 1050 kg including the weight of the cabinet**. The height of the cabinet is increased by 158 mm. The specified load capacity is valid for both 600 and 800mm cabinet widths.
- When using the RAX-RK-Txx-X1 castor set with reinforcing frame, the maximum total load capacity is 1500 kg including the weight of the cabinet**. The height of the cabinet is increased by 143 mm. The specified load capacity is valid for both 600 and 800mm cabinet widths.
- When using the RAX-RK-Hxx-X1 castor set with reinforcing frame, the maximum total load capacity is 1900 kg including the weight of the cabinet**. The height of the cabinet is increased by 168 mm. The specified load capacity is valid for both 600 and 800mm cabinet widths.
- The A3 and A7 models are for direct floor mounting only and cannot use bases, levelling feet or castors.
- To guarantee stability, at least 65% of the load must be installed in the lower half of the cabinet height.
- The relevant standards* must be observed when taxiing with a loaded cabinet.

Installation of the cabinet

- To ensure the maximum recommended load capacity and stability, it is essential that the load is evenly distributed between the front and rear vertical rails.
- The cabinet must be placed on a level floor and 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 brush and secured by the fringe edge (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

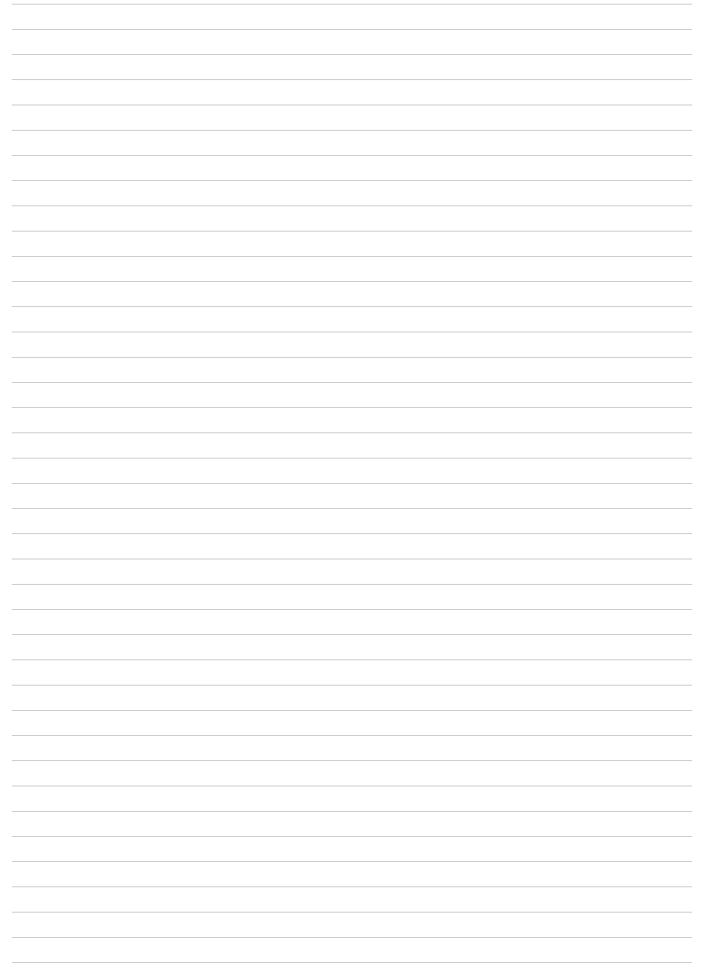
Certificate and conformity

• This product is certified with TÜV SÜD Czech and fully in accordance with ČSN EN 62208 ed.2:2012(EN 62208:2011). Latest certificate is available at www.triton-racks.com/certificates.

* The load capacities of the castors are applicable for travel speed up to 4 km/h on level ground and smooth surface at ambient temperature in the range of 10-30 °C. All dimensions, load capacities and tolerances correspond to following standards: EN 12527-12533, DIN 7845.

** Total weight of the cabinet = weight of the cabinet itself + installed accessories + installed equipment. Load capacity per wheel = Total weight of the enclosure / 3.









Tritón Pardubice, spol. s r. o.

č.p. 130, 530 02 Starý Mateřov, Czech Republic Tel.: +420 467 401 111 E-mail: sale@triton.cz

Triton Chemnitz GmbH

Teichstraße 11, 09366 Niederdorf, Germany Tel.: +49 (0) 37296 5498-0 E-mail: info@triton-racks.de

www.triton-racks.com www.clotheslockers.eu