

## RZ Pro Racks

*for energy efficiency in data center*



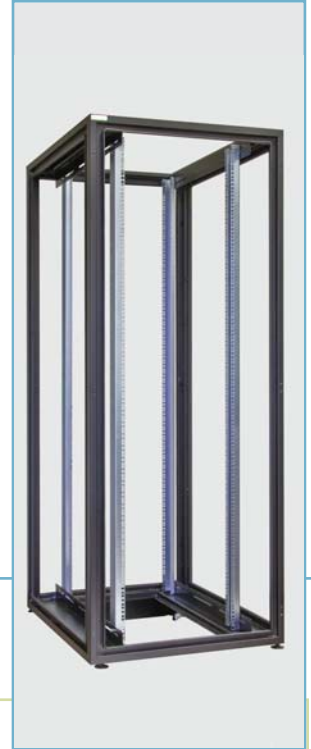
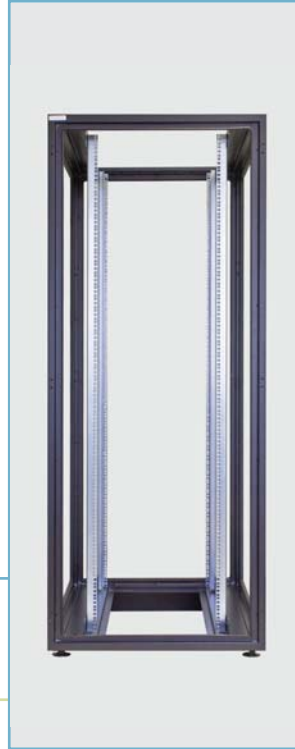
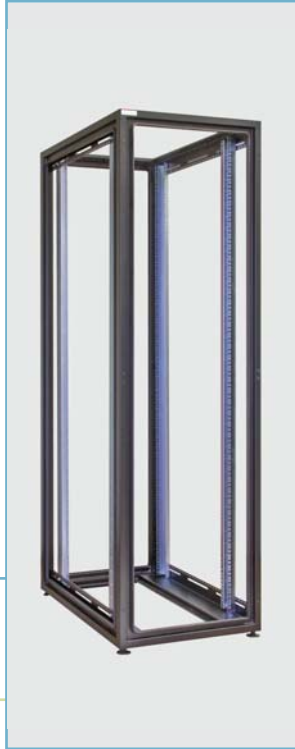
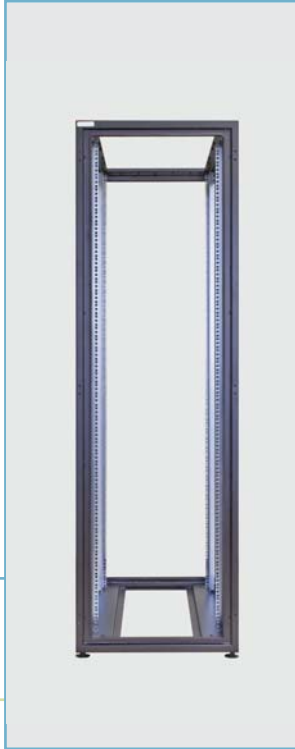
### ■ Server- and network enclosures for energy efficiency in data center

The RZ Pro Rack - Series is Lehmann's newest solution for data center with a maximum of energy optimization and efficiency. The fundament is the stable frame structure with a load capacity up to 1.5 T. The hexagon perforated front and rear doors ensure an high horizontal air flow to the installed hardware components. Vertical panels make sure that the cool air at the front of the racks reaches to 100% the server without a loss to the sides. A special bottom cover allows to regulate and adjust the volume of the cold air flow out of the raised floor directly inside the front of the enclosures. It is possible to adjust the air flow according the heat load in each enclosure separately. The RZ Pro Racks can be configured in all details to all requirements in the data center.



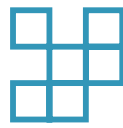
## RZ Pro Racks

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■ The fundament of the RZ Pro Racks is the welded and extremely stable frame section with a width of 600 mm and 800 mm. The carrying capacity is 1.5 T.

The punch holes in the framework allows a complete flexibility in the interior and permits a mounting of heterogeneous hardware not only at the With sealing gaskets on the frame to the doors and side panels the protection class is IP54.



**RZ Pro Racks**

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■ RZ Pro Rack with glazed front door and plinth

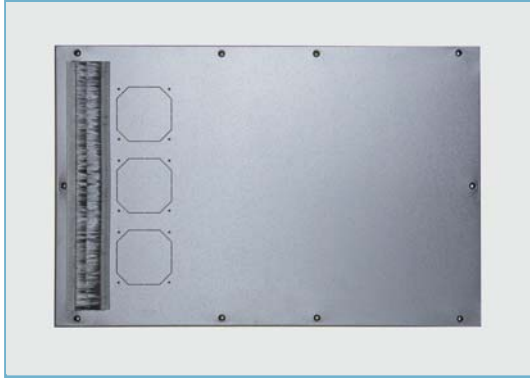


■ RZ Pro Rack with front and rear doors with ventilated hexagon surface

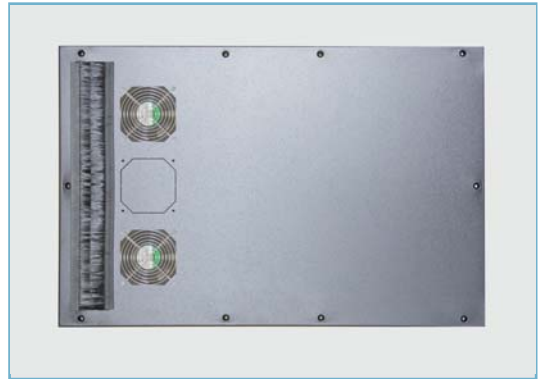


## RZ Pro Racks

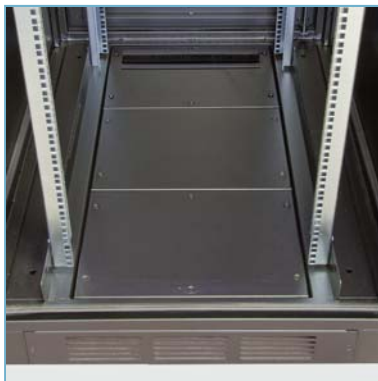
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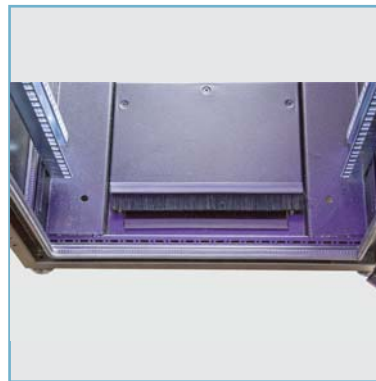
■ Top cover with cable entry



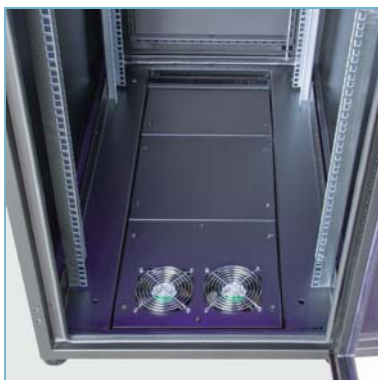
■ Top cover with cable entry and fans



■ Bottom cover, three sectioned, with cable entry



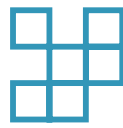
■ Bottom cover with cable entry



■ Bottom cover with blowing in fans in the front and cable entry in the rear



■ Sectioned bottom cover with adjustable front slot for air flow regulation



RZ Pro Racks

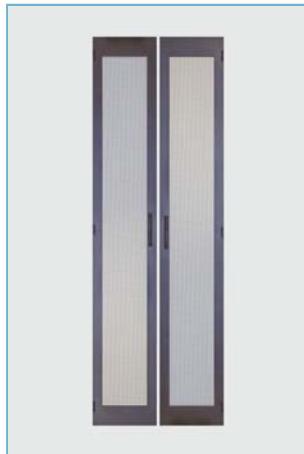
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■ Doors glazed or with ventilated hexagon surface or steel sheet; width 600 mm



■ Doors glazed or with ventilated hexagon surface or steel sheet; width 800 mm



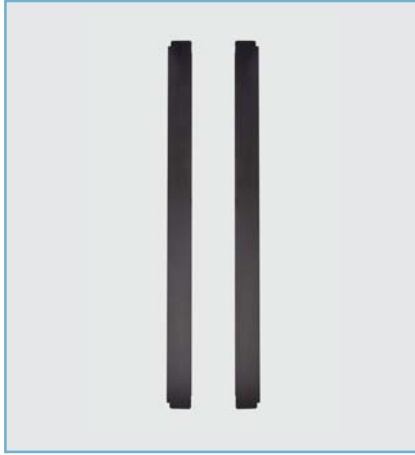
■ Twosected double-doors glazed or with ventilated hexagon surface or steel sheet





## RZ Pro Racks

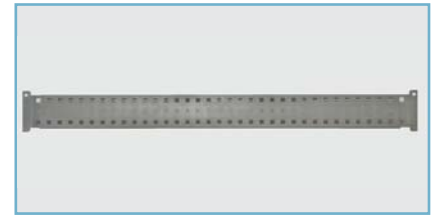
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■ The pass partition panels separate the cold air section in front and warm air section in the rear. The panels can be mounted in 800 mm width racks on the front side.



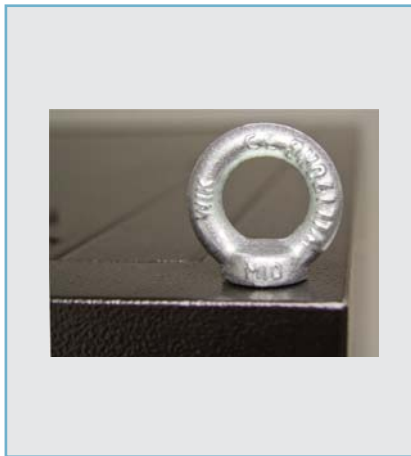
■ 19" extrusions for horizontal 19"-mounting



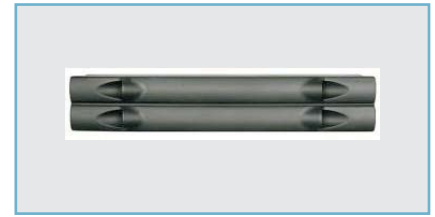
■ side braces with 1 and 2 U



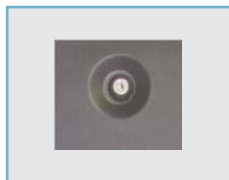
■ All RZ Pro Racks are with levelling feet and transport wheels



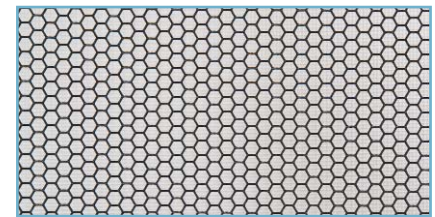
■ transport lugs



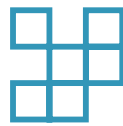
■ blanking panels in 1 and 2 U, fast click-mounting (no screws)



■ Side panel, optional lockable and with sealing gaskets

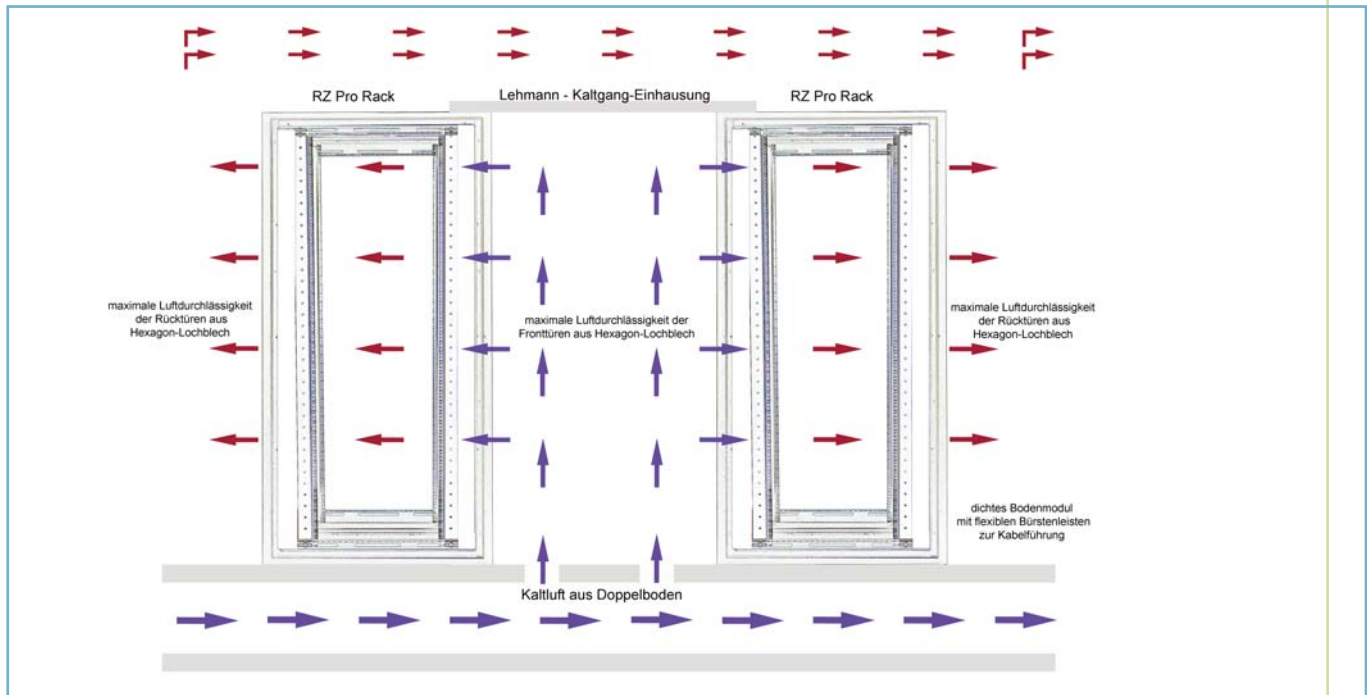


■ hexagon surface of the perforated doors provides maximum air flow

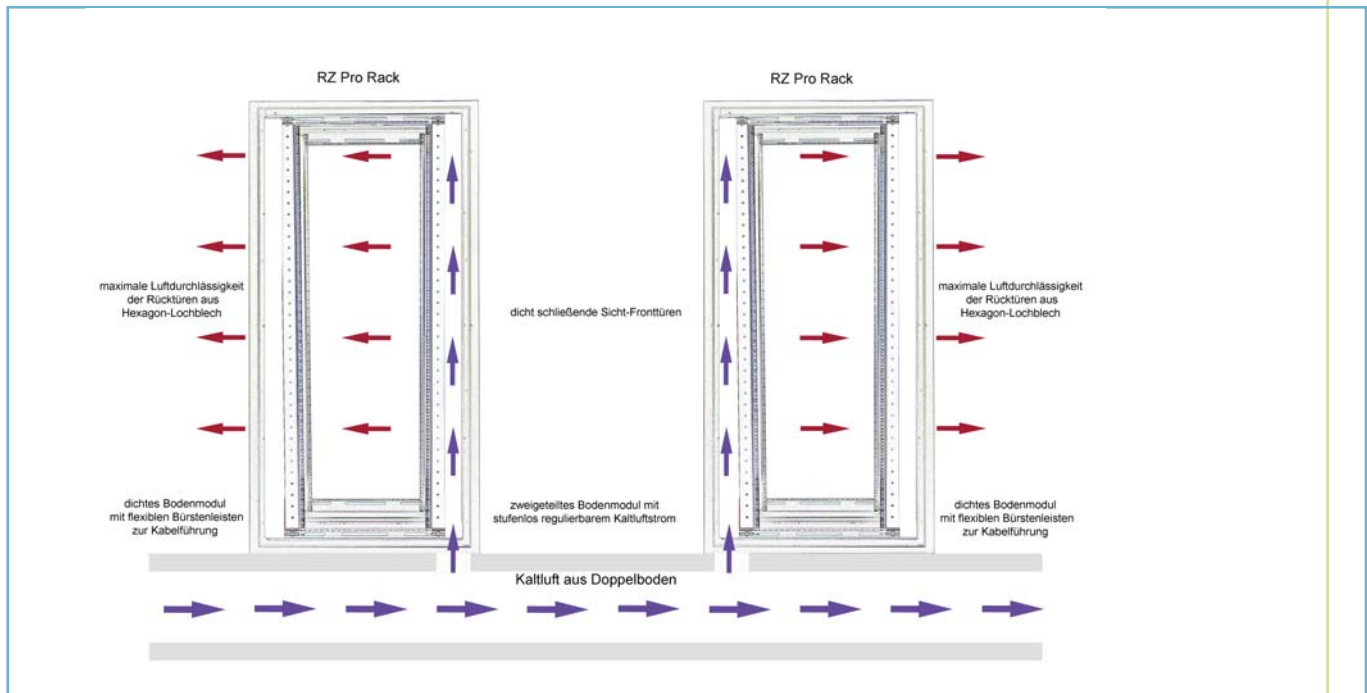


## RZ Pro Racks

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■ RZ Pro Rack with perforated front and rear doors for optimum horizontal air flow



■ RZ Pro Rack with tight glazed front doors and cold air flow out of the raised floor and perforated rear doors

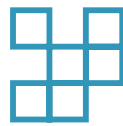


## RZ Pro Racks

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Item no.	RZ Pro Racks with active ventilation with fans	Measures in mm (WxDxH)	U	PU
RZ-S-6-10-42-V	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, glazed front door, Sichttür mit 3-point locking, sealing gaskets, 3 pcs. hinges, right/left opening with 180° angel, rear door steel sheet, 2x side panels, plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels, top cover with cable entry and two exhausting fans, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	600x1000x2000	42	1
RZ-S-8-10-42-V	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, glazed front door, Sichttür mit 3-point locking, sealing gaskets, 3 pcs. hinges, right/left opening with 180° angel, rear door steel sheet, 2x side panels, plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels, top cover with cable entry and two exhausting fans, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	800x1000x2000	42	1
RZ-S-6-12-42-V	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, glazed front door, Sichttür mit 3-point locking, sealing gaskets, 3 pcs. hinges, right/left opening with 180° angel, rear door steel sheet, 2x side panels, plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels, top cover with cable entry and two exhausting fans, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	600x1200x2000	42	1
RZ-S-8-12-42-V	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, glazed front door, Sichttür mit 3-point locking, sealing gaskets, 3 pcs. hinges, right/left opening with 180° angel, rear door steel sheet, 2x side panels, plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels, top cover with cable entry and two exhausting fans, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	800x1200x2000	42	1
X-48-X	RZ Pro Racks with 48 U		48	





## RZ Pro Racks

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Item no.	RZ Pro Racks with horizontal air flow with perforated front and rear doors	Measures in mm (WxDxH)	U	PU
RZ-S-6-10-42-LB	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, perforated front and rear doors with hexagon surface, 3 pcs. hinges, right/left opening with 180° angel, 2x side panels, top cover with cable entry, levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	600x1000x2000	42	1
RZ-S-8-10-42-LB	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, perforated front and rear doors with hexagon surface, 3 pcs. hinges, right/left opening with 180° angel, 2x side panels, top cover with cable entry, levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	800x1000x2000	42	1
RZ-S-6-12-42-LB	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, perforated front and rear doors with hexagon surface, 3 pcs. hinges, right/left opening with 180° angel, 2x side panels, top cover with cable entry, levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	600x1200x2000	42	1
RZ-S-8-12-42-LB	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U, perforated front and rear doors with hexagon surface, 3 pcs. hinges, right/left opening with 180° angel, 2x side panels, top cover with cable entry, levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	800x1200x2000	42	1
X-48-X	RZ Pro Racks with 48 U		48	
RZ-209-0222-10	sealing gasket (IP54) for 1000x2000 mm (DxH) side panels			
RZ-209-0222-12	sealing gasket (IP54) for 1200x2000 mm (DxH) side panels			
RZ-500-9202	lock for side panel			



## RZ Pro Racks

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Item no.	RZ Pro Racks - open rack	Measures in mm (WxDxH)	U	PU
RZ-S-6-10-42	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U,levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	600x1000x2000	42	1
RZ-S-8-10-42	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U,levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	800x1000x2000	42	1
RZ-S-6-12-42	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U,levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	600x1200x2000	42	1
RZ-S-8-12-42	RZ Pro Rack - welded frame with punch holes, carrying capacity 1548 kg, depth adjustable 19" extrusions, 42 U,levelling feet and transport castors, powder coating RAL 9005, black (also available: RAL 7035, lightgrey item no. RZ-G-xx)	800x1200x2000	42	1
	<b>Doors for the RZ Pro Rack-Series</b>			
RZ-S-6-42-FST	Glazed door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	600x2000 (BxH)	42	1
RZ-S-6-42-RVT	Steel sheet door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	600x2000 (BxH)	42	1
RZ-S-6-42-LB	Perforated door with hexagon surface with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	600x2000 (BxH)	42	1
RZ-S-8-42-FST	Glazed door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	800x2000 (BxH)	42	1
RZ-S-8-42-RVT	Steel sheet door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	800x2000 (BxH)	42	1
RZ-S-8-42-LB	Perforated door with hexagon surface with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	800x2000 (BxH)	42	1
RZ-S-6-42-FSTD	2-Sected glazed double-door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	600x2000 (BxH)	42	1
RZ-S-6-42-RVTD	2-Sected steel sheet double-door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	600x2000 (BxH)	42	1
RZ-S-6-42-LBTD	2-Sected perforated double-door with hexagon surface with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	600x2000 (BxH)	42	1
RZ-S-8-42-FSTD	2-Sected glazed double-door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	800x2000 (BxH)	42	1
RZ-S-8-42-RVTD	2-Sected steel sheet double-door with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	800x2000 (BxH)	42	1
RZ-S-8-42-LBTD	2-Sected perforated double-door with hexagon surface with 3-point locking with turning handle, lockable, sealing gasket, 3 pcs. hinges, right/left opening with 180° angel	800x2000 (BxH)	42	1



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Item no.	Description	Measures in mm (WxDxH)	U	PU
	<b>Side Panels for the RZ Pro Rack-Series</b>			
RZ-S-10-42-SW	Side panel puggable, screwed	1000x2000 (TxH)		1
RZ-S-12-42-SW	Side panel puggable, screwed	1200x2000 (TxH)		1
RZ-209-0222-10	sealing gasket (IP54) for 1000x2000 mm (DxH) side panels			
RZ-209-0222-12	sealing gasket (IP54) for 1000x2000 mm (DxH) side panels			
RZ-500-9202	lock for side panel			
	<b>Plinth for the RZ Pro Rack-Series</b>			
RZ-S-6-10-SO	Plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels	600x1000x100		1
RZ-S-8-10-SO	Plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels	800x1000x100		1
RZ-S-6-12-SO	Plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels	600x1200x100		1
RZ-S-8-12-SO	Plinth with levelling feet and transport castors, removable perforated front panel, removable cable entry panel in the rear, removable side panels	800x1200x100		1
	<b>Top cover for the RZ Pro Rack-Series</b>			
RZ-S-6-10-DMK	Top cover with cable entry	600x1000 (BxT)		1
RZ-S-8-10-DMK	Top cover with cable entry	800x1000 (BxT)		1
RZ-S-6-12-DMK	Top cover with cable entry	600x1200 (BxT)		1
RZ-S-8-12-DMK	Top cover with cable entry	800x1200 (BxT)		1
RZ-S-6-10-DMKV	Top cover with cable entry and two exhausting fans	600x1000 (BxT)		1
RZ-S-8-10-DMKV	Top cover with cable entry and two exhausting fans	800x1000 (BxT)		1
RZ-S-6-12-DMKV	Top cover with cable entry and two exhausting fans	600x1200 (BxT)		1
RZ-S-8-12-DMKV	Top cover with cable entry and two exhausting fans	800x1200 (BxT)		1
RZ-S-6-DMEV	Extension top cover with cable entry and two exhausting fans for enclosures W=600 mm			1
RZ-S-8-DMEV	Extension top cover with cable entry and two exhausting fans for enclosures W=800 mm			1



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Item no.	Description	Measures in mm (WxDxH)	U	PU
	<b>Bottom cover for the RZ Pro Rack-Series</b>			
RZ-S-6-10-BMK	Bottom cover with cable entry	600x1000 (BxT)		1
RZ-S-8-10-BMK	Bottom cover with cable entry	800x1000 (BxT)		1
RZ-S-6-12-BMK	Bottom cover with cable entry	600x1200 (BxT)		1
RZ-S-8-12-BMK	Bottom cover with cable entry	800x1200 (BxT)		1
RZ-S-6-10-BMKV	Bottom cover with cable entry and two blowing-in fans in the front	600x1000 (BxT)		1
RZ-S-8-10-BMKV	Bottom cover with cable entry and two blowing-in fans in the front	800x1000 (BxT)		1
RZ-S-6-12-BMKV	Bottom cover with cable entry and two blowing-in fans in the front	600x1200 (BxT)		1
RZ-S-8-12-BMKV	Bottom cover with cable entry and two blowing-in fans in the front	800x1200 (BxT)		1
RZ-S-6-BMEV	Extension bottom cover two blowing-in fans in the front for enclosures with W=600 mm			1
RZ-S-8-BMEV	Extension bottom cover two blowing-in fans in the front for enclosures with W=800 mm			1
RZ-S-6-10-BM2G	Bottom cover, 2-sectioned with cable entry and an adjustable front section for air flow regulation	600x1000 (BxT)		1
RZ-S-8-10-BM2G	Bottom cover, 2-sectioned with cable entry and an adjustable front section for air flow regulation	800x1000 (BxT)		1
RZ-S-6-12-BM2G	Bottom cover, 2-sectioned with cable entry and an adjustable front section for air flow regulation	600x1200 (BxT)		1
RZ-S-8-12-BM2G	Bottom cover, 2-sectioned with cable entry and an adjustable front section for air flow regulation	800x1200 (BxT)		1
RZ-S-42-SB	Vertical panel, mountinable between the 19" extrusions and the side panels, separates cold and hot air and optimizes the air flow in racks with W=800 mm	130x1930 (BxH)		2
RZ-20186	side brace 1 U for racks with D=1000 mm	45x930 (HxT)	1	1
RZ-20187	side brace 1 U for racks with D=1200 mm	45x1130 (HxT)	1	1
RZ-20188	side brace 2 U for racks with D=1000 mm	85x930 (HxT)	2	1
RZ-20189	side brace 2 U for racks with D=1200 mm	85x1130 (HxT)	2	1