Product Data Sheet

Eaton RA Series IT Rack

27U, 42U & 47U



Eaton's RA Series IT racks deliver advanced protection for critical IT equipment in network closets, small server rooms and data centre applications.

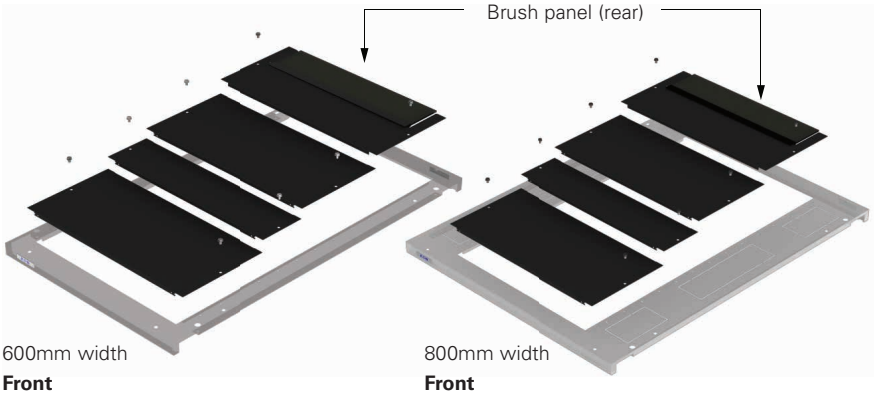
Designed for fast and easy set-up, the RA Series has features IT specialists need in an affordable ready-to-go rack system. Standard builds include load bearing castors (750kg dynamic load), jacking feet (adjustable from inside or outside the rack) locking front and rear doors, locking side panels, U-markings front and rear, 100mm enhanced cable tray in rear, baying kit and earth kit.

The RA Series racks all have the ability to be assembled within an aisle containment configuration with pre-fabricated end-of-row doors and horizontal roof panels which are also simple and quick to install.

Standard racks include:

- Fully assembled rack frame with load bearing castors, jacking feet and integrated bolt-down facility.
- Four painted infinitely adjustable (step-less) 19" mounting rails with unit height markings on front & rear.
- Enhanced cable trays facilitating PDU and accessory mounting fitted at rear
- Top panel with removable plates and brush entry panel at rear. Side cable twist-outs (on 800W only)
- Perforated steel or glass front door
- Split rear doors (on 800mm wide vented models) or single rear door (on 600mm wide models & solid steel rear door models).
- Swing handles with key lock front and rear
- Locking side panels with flush fitting locks
- Fixings kit (50 cage nuts, screws and washers)
- Bolt-together / baying kit
- Grounding kit
- 2 year standard warranty

Top panel configuration (1000D shown)



600mm width
Front

800mm width
Front

Technical specifications

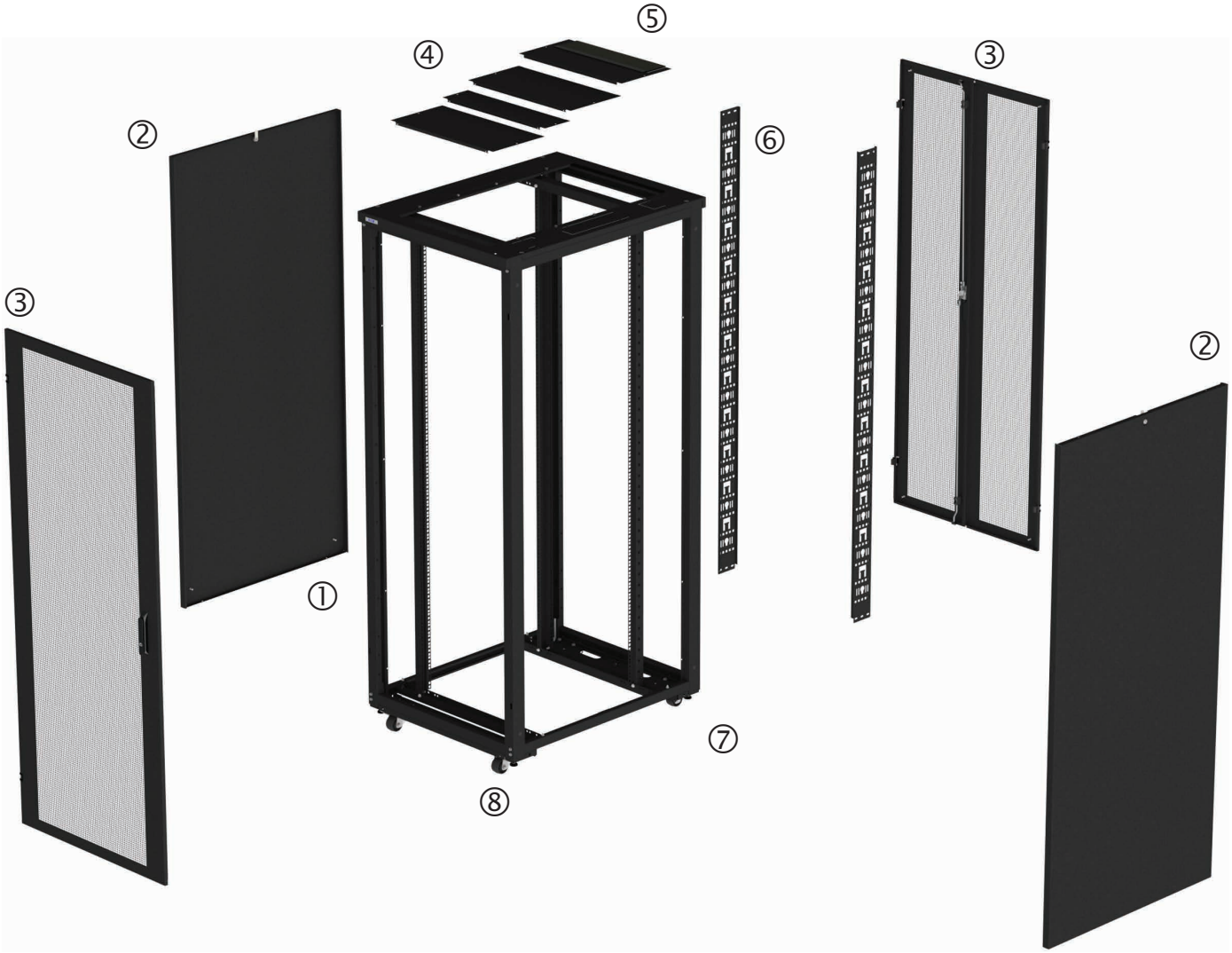
Applicable to all in this range.

Rail Mounting Width	482.6mm (19") fully compliant to EIA-310-E
Static Load rating	1100kg evenly distributed
Dynamic Load rating	750kg evenly distributed
Colour	Black RAL 9005
Door opening angle	180° angle with non-bayed installations, left-hand hinged, field reversible. (140°for bayed racks)
Door perforation (vented door models);	80%
Glass specification (glass door models);	4mm clear toughened, conforms to EN12150
Regulatory approvals & standards	EIA-310-E, IEC / EN 60950, IEC / EN 60297, IEC 529
Protection class	IP20—when configured with doors and side panels
Warranty	2 years

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Eaton RA Series IT Rack Technical Specifications

RA Series exploded view (800 wide vented door model shown);



① Rack frame

② Locking Side Panel

③ Locking Vented Door split rear door on 800w)

④ Plain Top Panels

⑤ Brush Top Panel

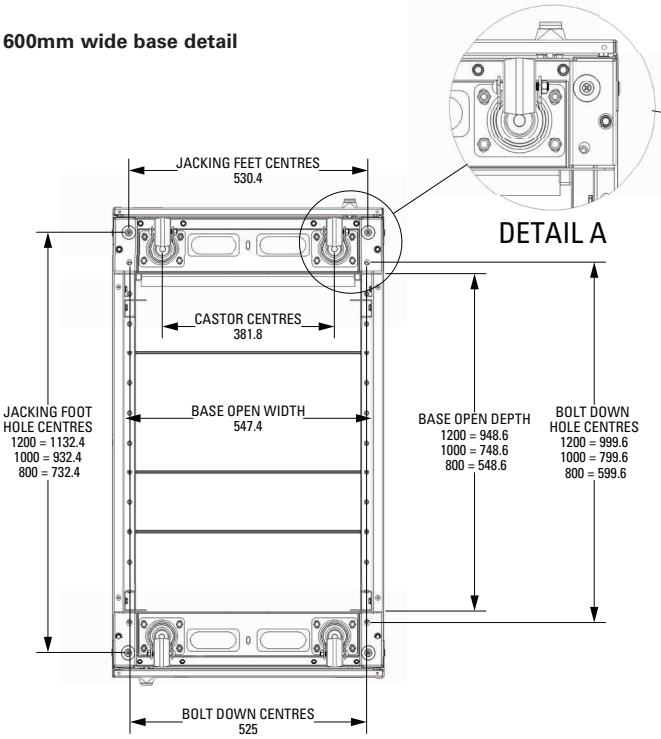
⑥ 100mm Enhanced Cable Tray

⑦ Jacking Feet (4 off)

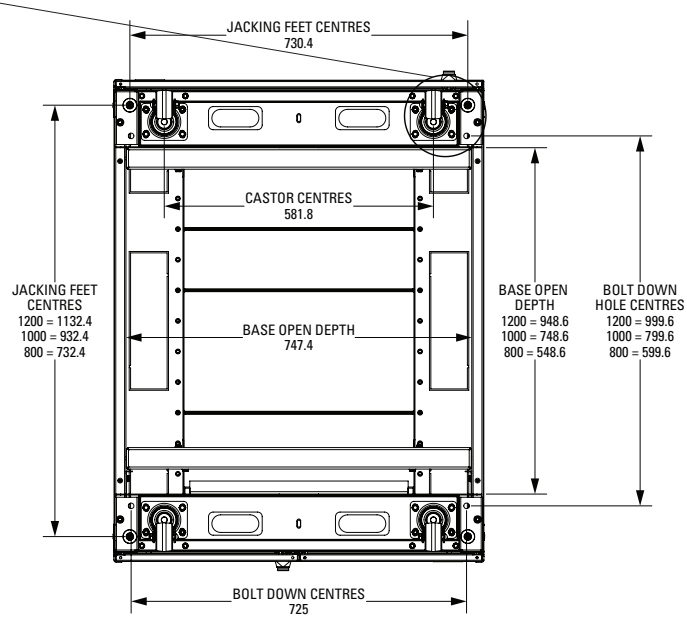
⑧ HD Castors (4 off)

Due to continuous product improvement programs specifications are subject to change without notice.

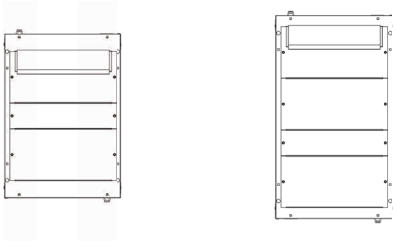
600mm wide base detail



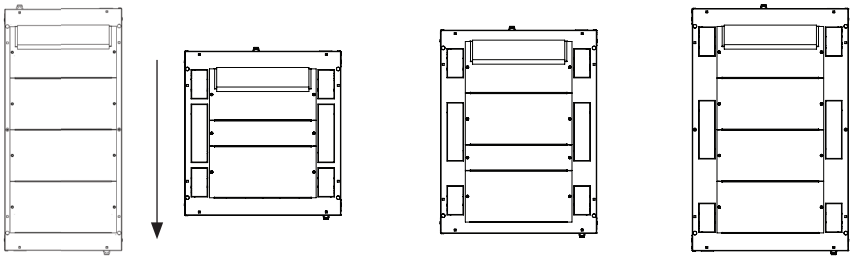
800mm wide base detail



600mm wide top panel detail



800mm wide top panel detail



Front

Due to continuous product improvement programs specifications are subject to change without notice.

Eaton RA Series IT Rack Technical Specifications & Order Codes

Equipment mounting height	27U	27U	27U	27U	27U	27U	42U
Width & Depth (mm)	**600W x 800D**	**600W x 800D**	**600W x 1000D**	**800W x 800D**	**800W x 800D**	**800W x 1000D**	**600W x 800D**
Order Code (Black finish)	RAA27608PSB13	RAB27608PSB13	RAA27610PSB13	RAA27808PSB13	RAB27808PSB13	RAA27810PSB13	RAA42608PSB13
Physical							
Height (castors fitted as standard)	1410mm	1410mm	1410mm	1410mm	1410mm	1410mm	2076mm
Height (castors removed)	1362mm	1362mm	1362mm	1362mm	1362mm	1362mm	2028mm
Width	600mm	600mm	600mm	800mm	800mm	800mm	600mm
Depth	840mm	840mm	1040mm	840mm	840mm	1040mm	840mm
Weight of assembled rack	71kg	75kg	79kg	96kg	98kg	104kg	99kg
Front door—Perforated	Single		Single	Single		Single	Single
Front door—Glass		Single			Single		
Rear door—Perforated	Split		Single	Split		Split	Single
Rear door—Solid metal		Single			Single		
Max rail mounting depth (cable tray re-moved*)	538mm (638mm*)	538mm (638mm*)	738mm (838mm*)	538mm (638mm*)	538mm (638mm*)	738mm (838mm*)	538mm (638mm*)
Heat load stability for glass / solid doors**		<1.5kW			<1.5kW		

Equipment mounting height	42U	42U	42U	42U	42U	42U	42U
Width & Depth (mm)	**600W x 800D**	**800W x 800D**	**600W x 1000D**	**600W x 1200D**	**800W x 800D**	**800W x 1000D**	**800W x 1200D**
Order Code (Black finish)	RAB42608PSB13	RAB42808PSB13	RAA42610PSB13	RAA42612PSB13	RAA42808PSB13	RAA42810PSB13	RAA42812PSB13
Physical							
Height (castors fitted as standard)	2076mm	2076mm	2076mm	2076mm	2076mm	2076mm	2076mm
Height (castors removed)	2028mm	2028mm	2028mm	2028mm	2028mm	2028mm	2028mm
Width	600mm	800mm	600mm	600mm	800mm	800mm	800mm
Depth	840mm	840mm	1040mm	1240mm	840mm	1040mm	1240mm
Weight of assembled rack	103kg	133kg	109kg	119kg	131kg	141kg	151kg
Front door—Perforated			Single	Single	Single	Single	Single
Front door—Glass	Single	Single					
Rear door—Perforated			Single	Single	Split	Split	Split
Rear door—Solid metal	Single	Single					
Max rail mounting depth (cable tray re-moved*)	538mm (638mm*)	538mm (638mm*)	738mm (838mm*)	938mm (1038mm*)	538mm (638mm*)	738mm (838mm*)	938mm (1038mm*)
Heat load stability **	<1.5kW	<1.5kW					

Equipment mounting height	47U	47U	47U	47U	47U	47U
Width & Depth (mm)	**600W x 800D**	**600W x 1000D**	**600W x 1200D**	**800W x 800D**	**800W x 1000D**	**800W x 1200D**
Order Code (Black finish)	RAA47608PSB13	RAA47610PSB13	RAA47612PSB13	RAA47808PSB13	RAA47810PSB13	RAA47812PSB13
Physical						
Height (castors fitted as standard)	2298mm	2298mm	2298mm	2298mm	2298mm	2298mm
Height (castors removed)	2250mm	2250mm	2250mm	2250mm	2250mm	2250mm
Width	600mm	600mm	600mm	800mm	800mm	800mm
Depth	840mm	1040mm	1240mm	840mm	1040mm	1240mm
Weight of assembled rack	108kg	119kg	126kg	142kg	153kg	164kg
Front door—Perforated	Single	Single	Single	Single	Single	Single
Front door—Glass						
Rear door—Perforated	Single	Single	Single	Split	Split	Split
Rear door—Solid metal						
Max rail mounting depth (with cable tray removed*)	538mm (638mm*)	738mm (838mm*)	938mm (1038mm*)	538mm (638mm*)	738mm (838mm*)	938mm (1038mm*)
Heat load stability **						

** subject to sufficient cool air availability

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