

USPACE 5210 RACKS

5210 Data Centre Racks

The USpace 5210 Data Centre Rack Solution is designed to meet the demands of the ever increasing equipment densities while maintaining the benefits of cabling access and ease of installation.

The USpace 5210 enables you to re-configure the rack seamlessly, to allow growth and change, as the IT environment in your Data Centre evolves. Comprising of four aluminium corner posts, top and bottom aluminium end frames, front and rear 19" mounting angles, front infill panels (800w models), swing handle lockable front and rear door (available in a combination of options, 4-point and 6-point locking), internal pin lock side panels, Split top cover design (plain and brush) and a set of base skids.

Other standard USystems accessories can be added for specific rack designs.



Four Post configuration;
This is the traditional post
set-up for server cabinet
applications

Standard 5210 Racks Include:

- Aluminium four post frame configuration, which is ideally suited to server applications (other configurations available).
- 1500kg Static load rating.
- Four infinitely adjustable, step-less, tool-less 19" mounting rails with depth markings. Rails with U markings numbered bottom to top.
- Top panel cable entry brush strip front to rear.
- Vented mesh doors front and rear with swing handles and 4 point locking.
- Quick release side panels (accessible only from inside rack, perfect for security).
- Earth bonding kit.
- Smooth plastic base skids for easy movement on the Data Centre raised floor.

Standard 5210 Rack Door Options:

- AirTech vented V door.
- AirTech vented standard door.
- AirTech vented wardrobe door, suitable for narrow aisles and can also accommodate upgraded security locking.
- Solid Steel Door AirTech vented standard door.
- AirTech vented wardrobe door, suitable for narrow aisles and can also accommodate upgraded security locking.
- Solid Steel Door.

Technical Data

		5210			
General		Units	42U	47U	52U
Width Options		mm (")	600 (23.62) or 800 (31.50)		
Frame Depth	1000D & 1200D	mm (")	941.6 (37.1) or 1141.6 (44.94)		
Clad Depth	1000D & 1200D	mm (")	1000 (39.37) or 1200 (47.24)		
Height on Transport Skids		mm (")	2013 (79.25)	2236 (88.03)	2459 (96.81)
Height on Castors		mm (")	2082 (82)	2306 (90.79)	2528 (99.53)
Height on Plinth		mm (")	2099 (82.64)	2322 (91.42)	2545 (100.20)
Weight 600W x 1000D (*Vent Doors)		kg (lbs)	99.6 (219.6)	109.5 (241.1)	118.4 (261)
Weight 800W x 1000D (*Vent Doors)			114 (251.3)	124 (273.4)	134.1 (295.6)
Weight 600W x 1200D (*Vent Doors)			105 (231.5)	115 (253.5)	124.4 (274.3)
Weight 800W x 1200D (*Vent Doors)			127.3 (280.6)	137.9 (304)	148.5 (327.4)
Max. Rail Space - Plug in Depth (PID)	1000D	mm (")	850 (33.46)		
	2000D		1050 (41.34)		
Load Rating - Static		kg (lbs)	1500 (3307)		
Load Rating - Dynamic**			750 (1653.5)		
Feature		Included as Standard			
Colour (Cladding)		White RAL 9003, Texture - Fine Structure			
Colour (Internals - Rails, Cable Tray)		Black RAL 9005, Texture - Fine Structure			
Rails		19" Centred, set back 100mm with 30.0"/750mm Between Rails			
U Labels		Front and Rear			
Frame (Posts)		4 Post			
Base		Transport Skids			
Side Panels		Secure Quick Release Hinges			
Doors		Standard Flat Mesh Single (Options: V Mesh Door, Double Mesh Door)			
Locking		4 Point (6 on Wardrobe) with Swing Handle.			
Accessories		Earth Kit, Baying Kit			
Top Cover		Side Brush to Rear, Solid to Front (in Two Panels)			

* Vent Doors = Fully clad rack with 600w front and rear flat vented Airtech doors or 800w front flat Airtech and rear vented wardrobe doors.

** Dynamic load rating is the total rolling mass of the rack and includes the rack frame, cladding and any fitted equipment and accessories and is subject to the load being evenly distributed at 20U height and below. Dynamic load relates to the movement of a rack within the same Data Centre on a smooth floor clear of any obstacles. Not suitable for transportation on a vehicle when loaded to this weight.

Materials & Finish

Frame

Extruded Aluminium

AirTech, AirTech Wardrobe & V Doors

1.0mm & 1.2 & 2.0mm CR4 steel

Side Panels

1.0mm & 1.2mm CR4 steel

Top Cover

1.2mm CR4 steel

Mounting Angles

2.0mm CR4 steel

Infills for 800w

1.5mm CR4 steel



White - Fine Structure
RAL 9003
Standard



Black - Fine Structure
RAL 9005
Optional, extended
lead time

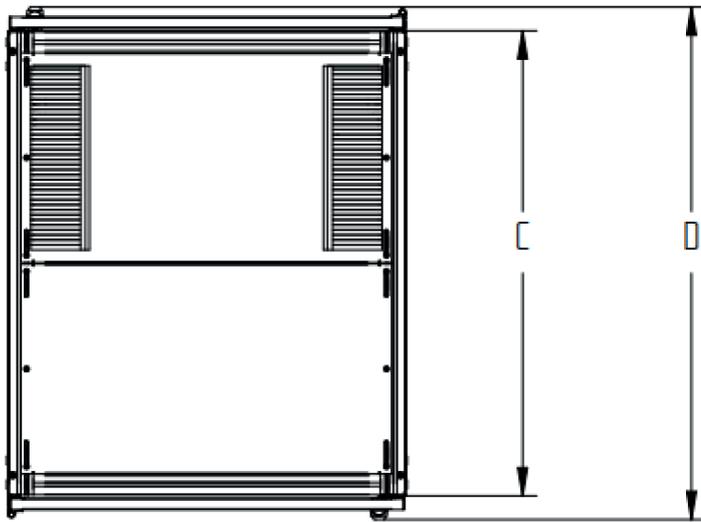
Standards

ANSI/EIA-310-E
IEC 60297-2
DIN EN 60297-3-100

Textured - Fine Structure

(Other colour and texture options are available on request)

Drawing

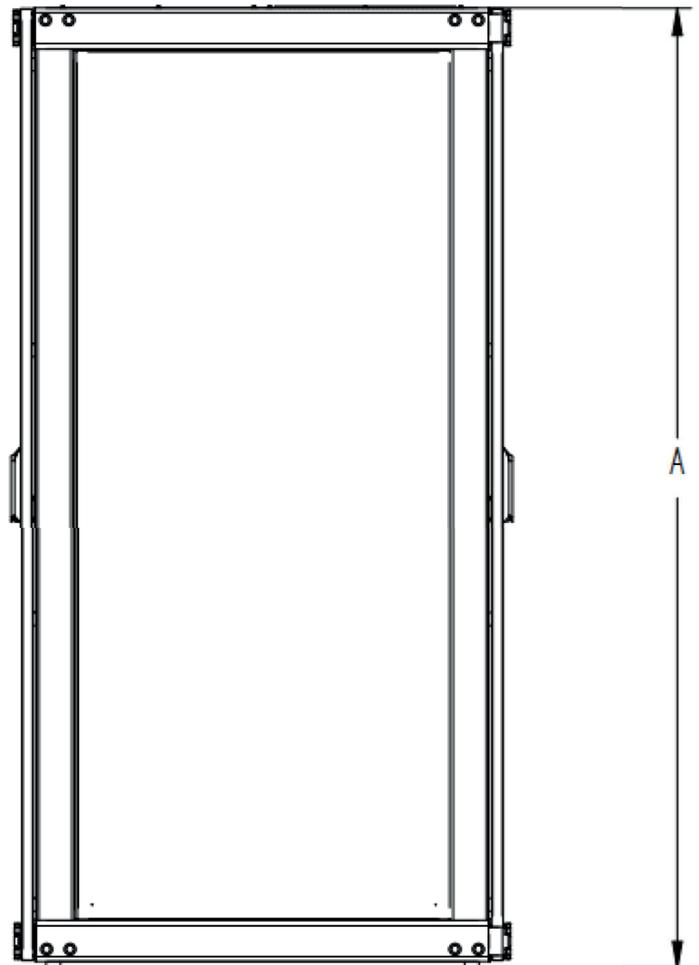
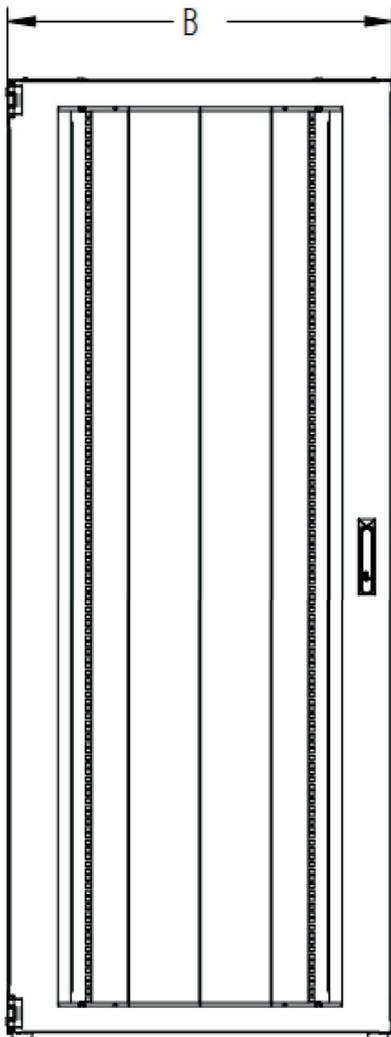


Frame Height on Skids (MAX)	42u	47u	52u
A (mm)	2013	2236	2459
A (in.)	79.25	88.03	96.81

Frame Width (MAX)	600w	800w
B (mm)	600	800
B (in.)	23.62	31.50

Frame Depth	875d	1000d	1200d
C (mm)	816.6	941.6	1141.6
C (in.)	32.15	37.1	44.94

Rack Depth (MAX)	875d	1000d	1200d	V Door (Single), dimension to add on frame depth
D (mm)	917	1042	1242	68.6
D (in.)	36.1	41.02	48.9	2.7





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