BLADE S-MAX
Cabinet for Blade Server

apw

BLADE S-MAX
Overview

Material specification

- **Corner verticals:** 1.5 mm steel
- **End frames:** 1.5 mm steel
- **Panel mounts:** 2.0 mm steel
- **Panel mount supports:** 1.5 mm steel
- **Side panels, door and top panels:** 0.9 mm steel
- **BLADE S-MAX load capacity:** 1.000 Kg

Standards

IEC 60297:	Dimensions of mechanical structures of the 482.6 mm (19") series
DIN 41494:	Basic specification for the 19" construction systems
EN 60950:	European safety standard for information technology equipment
VDE 0100:	Instalation and Set up of current systems and earthing
DIN-1249-11:	Glass in building; glass edges

Colour specification

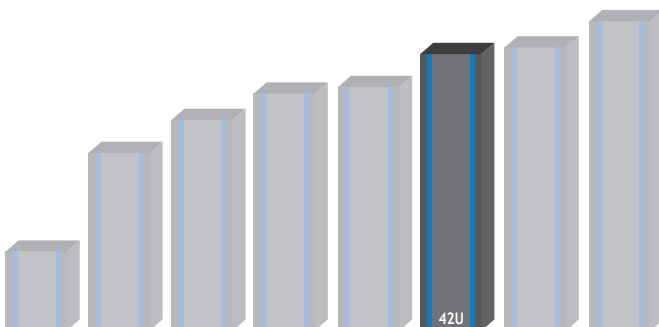**RAL 7016**   **RAL 9005**

Dimensions

Floor version
Depth: 1000 - 1200 mm   Width: 600 mm

42U

Introduction to Blade S-Max

Blade S-Max is a cabinet specially developed for housing of new generation servers that allow executions defined as " high density".

Strong and versatile Blade S-Max, besides providing the features of a traditional product, it also provides a supplementary vertical space for optimal management of cables or of server supply. In fact, besides the traditional 19" horizontal units, there are well 6/8 supplementary vertical units available for the user and one dedicated space in the superior covering as well as in the inferior one for housing of supply cables .

All this without interference with the dedicated server housing space. For example, Blade S-Max in a traditional execution from 42U puts at your disposal more than 8 units, bringing the capacity of the same rack to 50 comprehensive units.
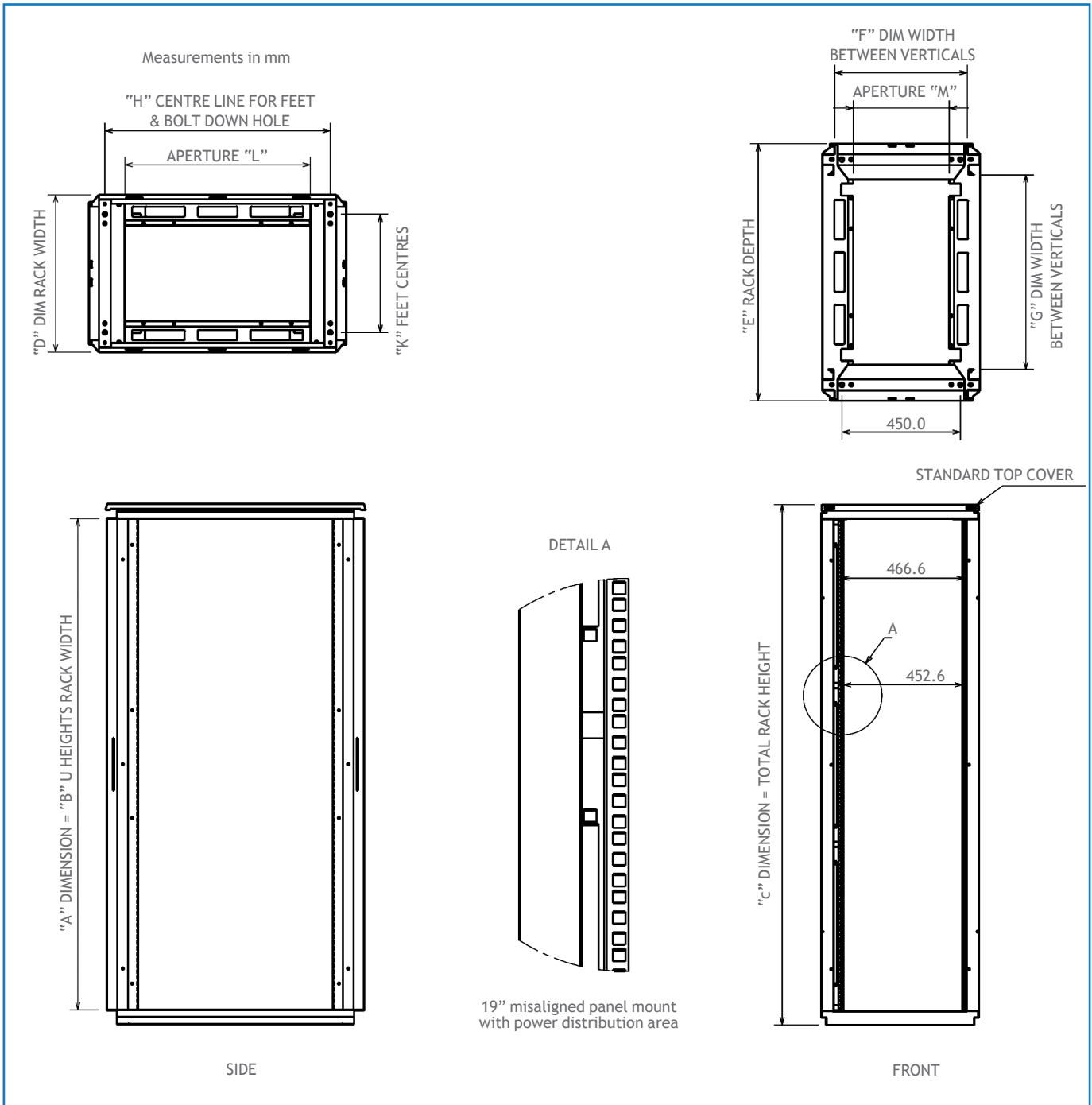
Key Features:

- Adaptable for Future needs - designed to house all major servers on the market
- Load capacity up to 1.000 Kg
- Fully vented doors and unique door vent pattern to optimize air flow
- Temperature sensor with 3 m cable supplied as standard
- Locking Side panels accessible from only inside the cabinet
- Unique "straight line" cable paths protect cable performance
- Supplied fully assembled
- Raft system for technical floor
- Vast selection of application specific accessories
- Height: 42U
- 2 depth options:1000 mm and 1200 mm
- 1 width options: 600 mm
- Choose from: pre-configured cabinets or configure your own
- Colour Finishing: - external colour: Anthracite Grey (RAL 7016)
                    - internal colour: Black (RAL 9005)

BLADE S-MAX
Technical specifications

Measurements in mm

"H" CENTRE LINE FOR FEET & BOLT DOWN HOLE

APERTURE "L"

"D" DIM RACK WIDTH

"K" FEET CENTRES

"F" DIM WIDTH BETWEEN VERTICALS

APERTURE "M"

"E" RACK DEPTH

"G" DIM WIDTH BETWEEN VERTICALS

450.0

STANDARD TOP COVER

466.6

A

452.6

"C" DIMENSION = TOTAL RACK HEIGHT

"A" DIMENSION = "B" U HEIGHTS RACK WIDTH

DETAIL A

19" misaligned panel mount with power distribution area

SIDE

FRONT

Order code	Rack dimensions	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"K"	"L"	"M"
VT555-500247	42U 600 x 1000	1868.5	42	1978.5	597.6	978	500	740	858	450	705	365.2
VT555-500248	42U 600 x 1200	1868.5	42	1978.5	597.6	1178	500	940	1058	450	905	365.2

Blade S-Max - "Primary" Ready to use

The Blade S-Max "Primary" is a ready to use configured cabinet designed for your convenience. One order code gives you a complete "Primary" cabinet ideal for housing active equipment, electronics and computer servers or can be used as a base cabinet to be completed by adding various accessories.
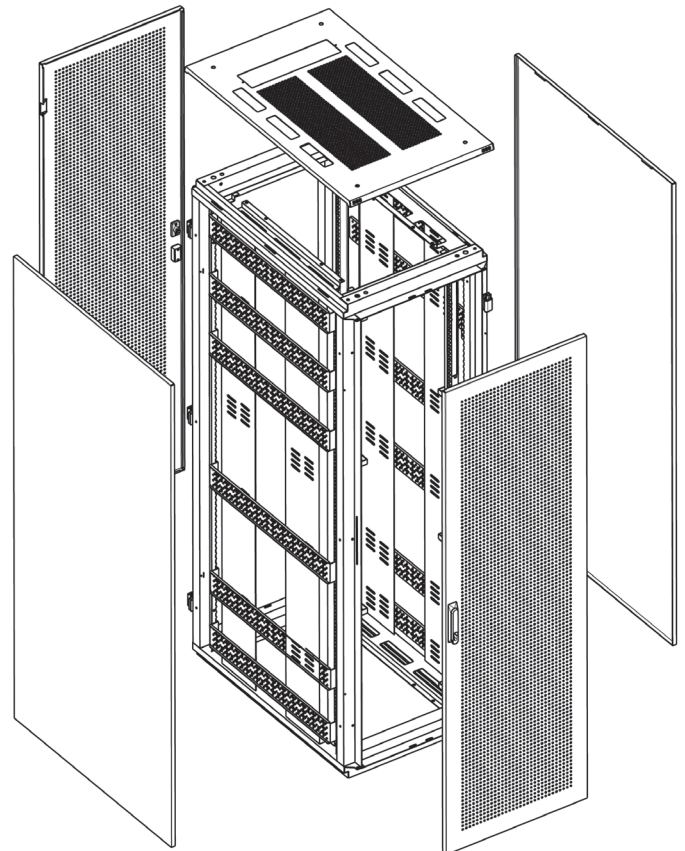
Contents of kit

Description	Qty	Finishes
Corner verticals	4	Black RAL9005
End frames	2	Black RAL9005
19" panel mounts (2 with power distribution area)	4	Black RAL9005
Panel mount supports kit	6	Black RAL9005
Side panels w/closing internal security	2	Anthracite RAL7016
Top cover ventilated	1	Anthracite RAL7016
Ventilated front door (81%)	2	Anthracite RAL7016
Set of adjustable feet	1	Black RAL9005
Earthing kit	1	

Dimensions

U Height	Overall Height mm	Internal Height mm
42U	1978.5	1868.5
	Addition to height	
Heavy duty castors	59.7 mm	
Adjustable feet	Min. 25 Max 60 mm	

Ordering information

Description	Order code
Blade S-Max 42U 600 x 1000 mm	VT555-500247
Blade S-Max 42U 600 x 1200 mm	VT555-500248

BLADE S-MAX
rack build 600 mm wide rack

BLADE S-MAX
Structural elements

Frame

The frame comprises of 4 verticals and 2 end frames.

19" panel mounts

A Blade S-Max is supplied with 4, 19" panel mounts (2 with power distribution area).

Side panels

Side panels are supplied in pairs and available in 0.9 mm steel with concealed catch locks.

Front door

New generation of perforated steel doors provide both a 180° opening and a 81% open area, that increase considerable the air flow into the rack. Doors have always swingh handle, 3 point locking and a self locking. Moreover, the front door has a digital led for monitoring the internal temperature of the rack. The feeler led can be fitted at the discretion of the customer.

Swing handles

The doors have a swing handle fitted as standard. As an option it can be requested with a manual key lock.

Vented top cover

Top cover is fully vented to allow air flow and 7 slots are present for cable entry.

Bottom

The bottom is open to offer maximum space (6 slots) for cables to pass comfortably through.

Additional units

Blade S-Max provides 6/8 additional vertical units (basis on the height), further to standard 19" orizzontal ones.
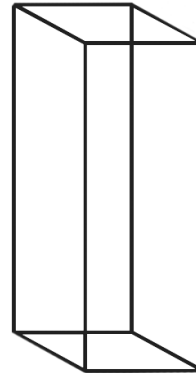The top of the rack has a dedicated area for power distribution.

Castors kit

Heavy duty: Load capacity up to 115 Kg each under average conditions; fitted to the rack with mounting plates. Available in braked and unbraked versions.
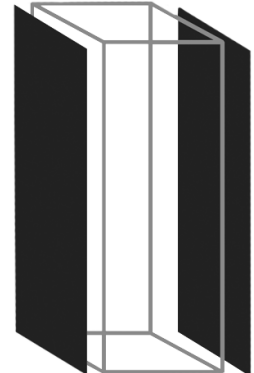
Lifting eyes

Lifting eyes are sold as a kit of 4. Each has a load capacity up to 320 Kg.
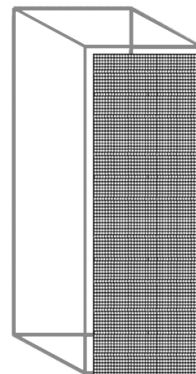
Note: "side vented" and "fully vented" top covers must be removed before lifting eyes can be fitted.

Frame

Side panels

Ventilated door

Top cover