DCMax Datacenter Cabinets

“Reliable, Flexible and Scalable high performance for Mission critical Data Center Infrastructures.”

- Zone 4 Seismic Certification
- Energy Efficient
- Reliable
- IP20, IP55 &High Density Cabling Versions

19” Datacenter Cabinets for Professional, Precise & Aesthetic Design for hot / cold corridor Datacenter architecture

SIZE RANGE

Up to 47U 800x1200

HIGHLIGHTS

ZONE 4 SEISMIC CERTIFICATION

- Heavy duty structure:
  1500 kg Static, 1000 kg Seismic Bellcore-Gr-63 Zone 4 NEBS Requirements

ENERGY EFFICIENT

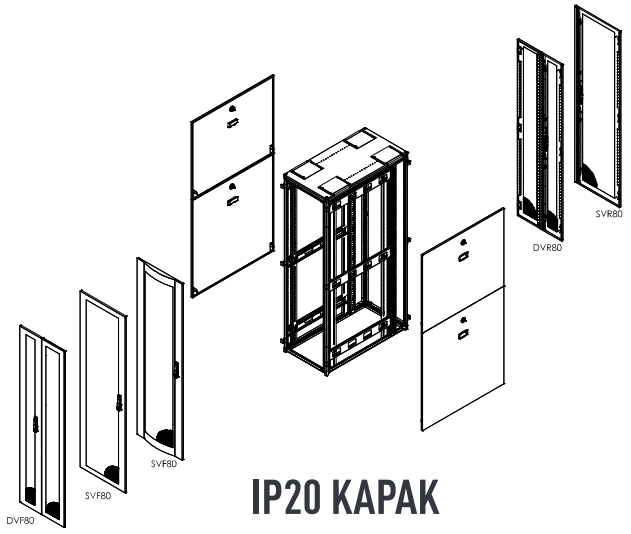
- Maximum Cooling Performance: IP20 %80 Perforated Doors
- IP55 - Air Conditioned version available

RELIABLE

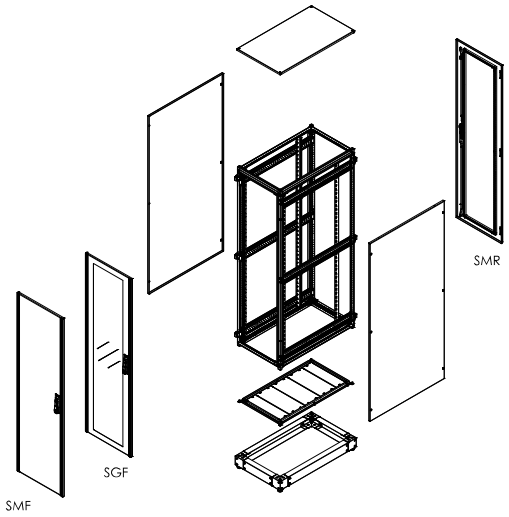
- Professional Internal and Overhead cable management options
- Maximum Internal, Minimum Environmental Space
- Compatible with leading server brands and types
- Easily Adjustable 19” rails
- High technical performance, grounding continuity
- Wide Security, Monitoring & Power Management options

DCMax Cabinets Size Range

Part Number	Product definition	Dimensions W x H x D (mm)
SRVES42U61055PWPD	19" 42U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2000x1000
SRVES42U61155PWPD	19" 42U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2000x1100
SRVES42U61255PWPD	19" 42U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2000x1200
SRVES47U61055PWPD	19" 47U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2200x1000
SRVES47U61155PWPD	19" 47U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors.	600x2200x1100
SRVES47U61255PWPD	19" 47U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	600x2200x1200
SRVES42U61055PWP	19" 42U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	600x2000x1000
SRVES42U61155PWP	19" 42U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2000x1100
SRVES42U61255PWP	19" 42U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	600x2000x1200
SRVES47U61055PWP	19" 47U, 600x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2200x1000
SRVES47U61155PWP	19" 47U, 600x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	600x2200x1100
SRVES47U61255PWP	19" 47U, 600x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	600x2200x1200
SRVES42U81055PWPD	19" 42U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Front and Double Opening Rear Doors	800x2000x1000
SRVES42U81155PWPD	19" 42U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2000x1100
SRVES42U81255PWPD	19" 42U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2000x1200
SRVES47U81055PWPD	19" 47U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2200x1000
SRVES47U81155PWPD	19" 47U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2200x1100
SRVES47U81255PWPD	19" 47U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2200x1200
SRVES42U81055PWP	19" 42U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2000x1000
SRVES42U81155PWP	19" 42U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2000x1100
SRVES42U81255PWP	19" 42U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2000x1200
SRVES47U81055PWP	19" 47U, 800x1000 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors	800x2200x1000
SRVES47U81155PWP	19" 47U, 800x1100 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2200x1100
SRVES47U81255PWP	19" 47U, 800x1200 mm DcMAX, %80 Perforated, Single Opening Front and Rear Doors.	800x2200x1200



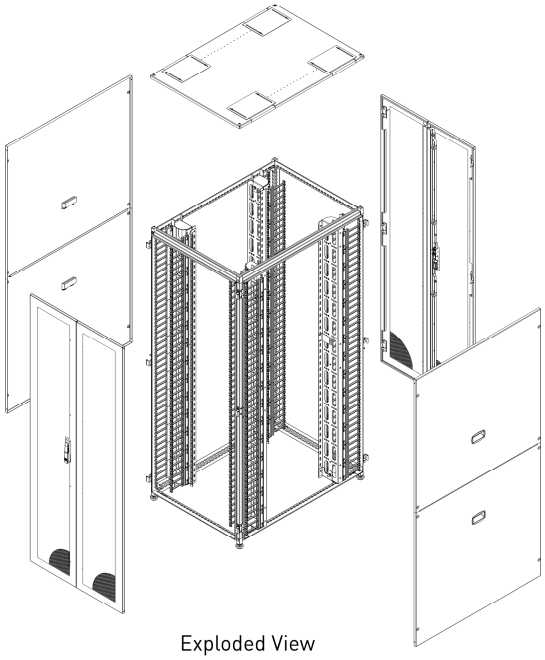
IP20 KAPAK



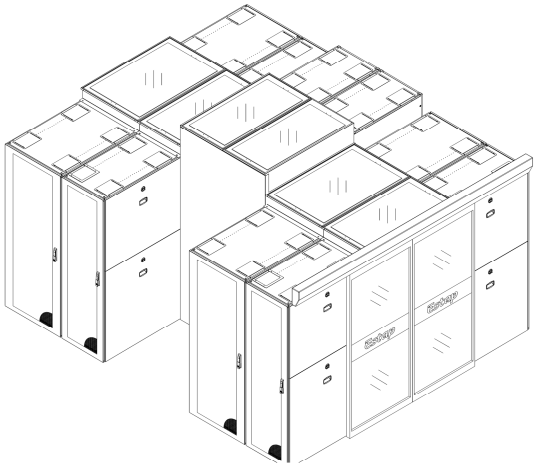
IP55 KAPAK

PLEASE CONTACT US FOR FURTHER OPTIONS & REQUIREMENTS

DCMax Free Standing



Exploded View

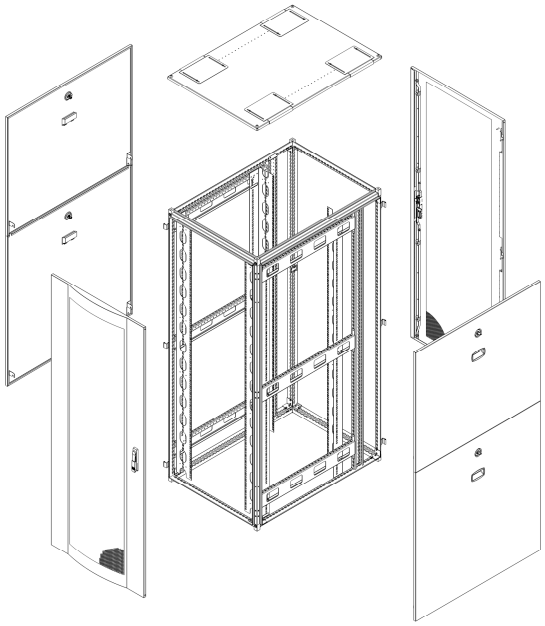


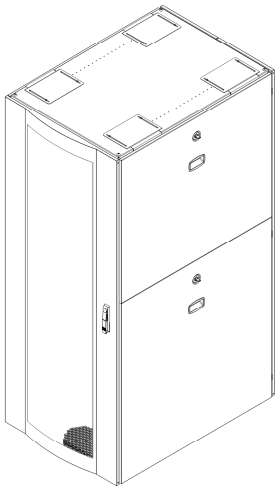
HIGH DENSITY CABLING VERSION

The DC Max High Density Cabling Version offers an ideal solution for the data center which includes high density cabling and needs effective cooling.

HOT & COLD CORRIDOR APPLICATIONS

Including In-Row Coolers, Chillers, Modular Polycarbonate Roof, Automatic or Manuel Sliding Doors, Overhead Cabling accessories and customizable End-User Branding.





IP55 and A/C mounted versions available; please contact us for more information.

DCMax Door Matrix

Door Code	Description	
	FRONT	
KC	Single, Full Frame Glass Front Door, single point locking	Standard IP55
SVF80	Single Vented Front Door, 80% perforated, single point locking	Standard
DVF80	Double Vented Front Door, 80% perforated, three point locking	Optional
SMF	Solid Metal Front Door	Optional IP55
	REAR	
SMR	Single Solid Metal Rear Door	Standard IP55
SVR80	Single Vented Rear Door, 80% perforated, single point locking	Optional
DVR80	Double Vented Rear Door, 80% perforated, three point locking	Standard

Marked are also Default Config.

FEATURE OF CABINETS

- IP20 protection level for cooling performance.
- %80 perforated front/rear doors for best air circulation.
- Easy move 19" rails while loaded.
- Curved door for free space for front cabling.
- Heavy duty structure, 1500kg load carrying capacity.
- Wide Range of cabinet sizes and accessories.

Dimensions:
42/47U 600 or 800x1000/1100/1200 mm

- Ready for cold / hot corridor containment.
- Wide range of accessories.
- Maximum inner space for servers.
- Professional cable management on top, bottom and inner of cabinet.
- Compatibility with all vendors' servers.
- High technical performance; grounding continuity.
- Aesthetic and professional view.
- Overhead cable trays separate electrical and data cables.
- 2 and 4 section Co-Location cabinets.
- By using cable rings, airflow is improved, installation time and cost is reduced. It creates space savings and flexibility inside the cabinet.
- Passed Belcore Zone 4 earthquake test with 1000kg. load.
- With special design of side frames, you can move the 19" mounting rails while equipments loaded.
- Simply the raceway for cables are created by fixing cable rings on all profiles in front and rear part of the cabinets.

MAIN STRUCTURE

Closed Form Frame Structure:
Produced from DKP sheetmetal with a special technique to have a strong frame.

FRONT DOOR
Structure:

- Produced from DKP sheet metal.
- The curved door has %80 perforations to have a good air flow.
  Provides enough space for patch cords between door and equipment.
- Can open 130°.

Locking Mechanism:
3 point lock, handle with semi cylindirical barrel of EMKA.
Hinge System:
3 pcs Zinc alloy Steel to fix the door.

SIDE PANEL
Structure:

- Produced from DKP sheet metal.
- Thickness is 1,5mm.
- Fixed to cabinet from 8 point by screw.
- 2 pcs in one side.

REAR ROOF
Structure:

- Produced from DKP sheet metal.
- The flat door has %80 perforations to have a good air flow.
- Can open 130°

Locking Mechanism
3 point lock, handle with semi cylindirical barrel of EMKA.
Hinge System:
3 pcs Zinc alloy Steel to fix the door.

ROOF
Structure:

- Produced from DKP sheet metal.
- Suitable to fan fixing.
- Cable Entry Alternatives
- High cable entry possibility.
- Brush type cable entries.
- Sliding cover cable entries.
- Cable Manager Bag option.

ENVIRONMENT

EN61587-1/4.2, IEC60068-2-1, IEC60068-2-2, IEC60068-2-30, IEC60917 ve IEC60297
Industrial Enviroment:
EN61587-1/4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-1, IEC60917 ve IEC60297
Static Mechanical Loding Test:
EN61587-1 / 5.2.1, IEC60917 and IEC60297
Static Mechanical Structure:
EN61587-1 / 5.2.2, IEC60917 ve IEC60297
Dynamic Load, Vibration and Mechanic:
EN61587-1 / 5.3.1, EN61587-1 / 5.3.3, IEC60917, IEC60297, IEC62208
Earthing:
EN61587-1 / 6.2, IEC60917 ve IEC60297
Fire Resistance:
EN61587-1 / 6.3, IEC60917 and IEC60297
Corossion:
ISO9227 and ASTM B 117-85, IEC60917 and IEC60297
IP Protection Level:
IP20 regarding to EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297
Carrying:
ETS300019-1-2 Class2.3
Loading:
ETS300019-1-1 Class1.2
Security:
EN60950_LVD
Loading Capacity:
1500 kg static load. Passed earthquake test with 1000kg. (BELLCORE GR-63-CORE ZONE 4, NEBS requirements).

PURCHASED PRODUCT CERTIFICATES

Sheet Metal:
ISO 9001, DIN EN 10130 – 99 Ereğli DC- 01 6112, RoHS
Electrostatic Dry Paint:
ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS, Reach, ISO 8130-1, ISO 8130, ISO 1519, ISO 1520, ISO 2815, ISO 2409
Fan:
ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS
Glass:
ISO 9001, EN 12150 – 1 : 2000 (tempered/security glass)
Fixing units (screw, washer, nut, etc):
DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS
Casters:
ISO 9001, TS EN 12530, TS EN 12532, RoHS
Locking Systems: DIN 1743, DIN 53571, RoHS