



### Elegant Net 19inch Free Standing Rack Cabinet H:42U W:800 x D:800

- Glass double front door
- Metal double rear door
- Optional perforated front and rear doors
- Removable and lockable side doors
- Optional fan-unit into the roof or 19inch rack mount type fan unit
- Bottom case with cable entry with sliding cover
- 2 sets of 19" mounting rails are adjustable throughout the entire depth of the cabinet, multi folded 1,50mm thickness
- High load carrying capacity ( standard 1000kg & Modified structure 1500kg )
- Flat-packed construction

**List Code :** ELGN42U8080CC221

#### Technical Data

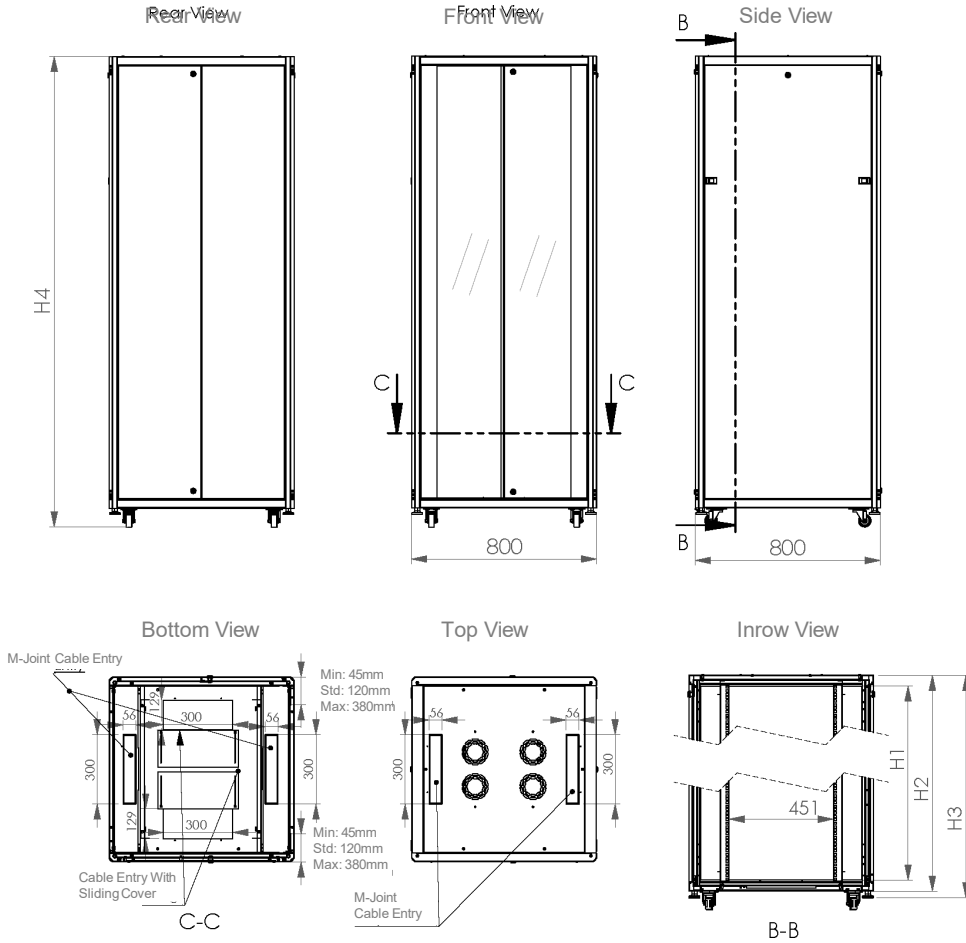
Dimensions HxWxD in mm	H:1955mm W:800mm D:800mm (Check 2nd page for different height options )
Height in U	42U
Color	RAL 9005 Black color = <b>ELGN42U8080BL221</b> or RAL 7035 L.gray color = <b>ELGN42U8080LG221</b>
Grounding continuity	EN 61587-1 / EN 61010-1
Standards	ISO9001-2015 TS EN 61587-1 :2016, 5.2.1 and 5.2.2 CE According the IEC/ISO 17050 – EN 60335-1

#### Mechanical Characteristics

Material	Sheet Steel, DIN EN 10130-99 / DC-01 6112 / DC-7122
Inside height in mm	1870,10
Outside height in mm	1955
Load Carrying Capacity	1000kg / 2204lbs (Modified structure up to 1500kg / 3306.93lbs)
IP rating	IP20

We are responding the needs of users with choice of 10 different height dimensions.

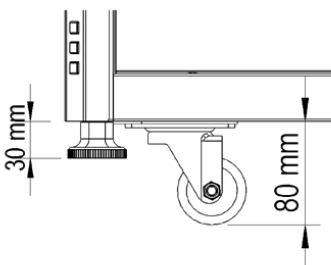
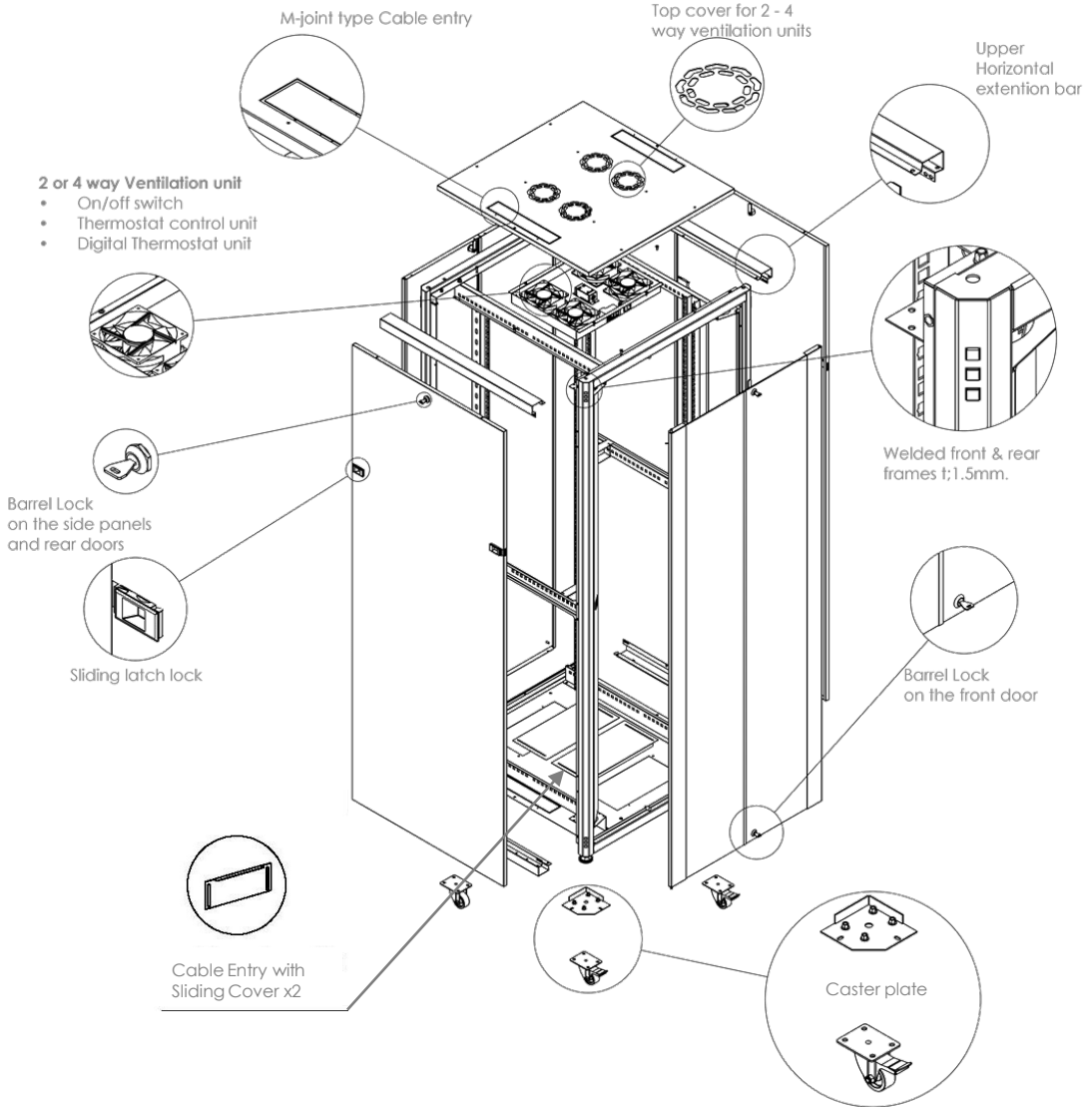
Height : 26U–32U–36U–42U–45U–47U  
Width : 800mm  
Depth : 800mm



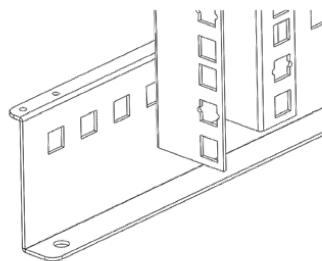
**ELEGANT NET 800 x 800 mm**

Product Code	Product Description	Width (W) mm	Depth (D) mm	H:1 Inner Height (mm)	H:2 Out Height (mm)	H:3 Out height with levelling feet	H:4 Out height with caster set
ELGN26U8080CC221	Elegant NET 19" 26U W=800 mm D=800 mm	800	800	1158,9	1243,8	1273,8	1324
ELGN32U8080CC221	Elegant NET 19" 32U W=800 mm D=800 mm	800	800	1425,6	1510,5	1540,5	1591
ELGN36U8080CC221	Elegant NET 19" 36U W=800 mm D=800 mm	800	800	1603,4	1688,3	1718,3	1768
ELGN42U8080CC221	Elegant NET 19" 42U W=800 mm D=800 mm	800	800	1870,1	1955	1985	2035
ELGN45U8080CC221	Elegant NET 19" 45U W=800 mm D=800 mm	800	800	2003,5	2088,35	2118,4	2168
ELGN47U8080CC221	Elegant NET 19" 47U W=800 mm D=800 mm	800	800	2092,4	2177,25	2207,3	2257

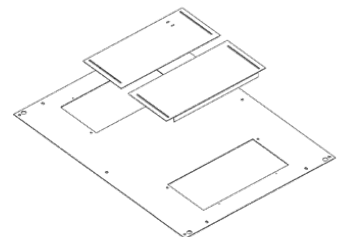
**Explode View**



Caster and Levelling feet



19" Mounting rail and Z-shape Horizontal bar



Front and rear cable entry panel with sliding cover

\*Fan unit and caster set must be ordered separately.

## VENTILATION OPTIONS

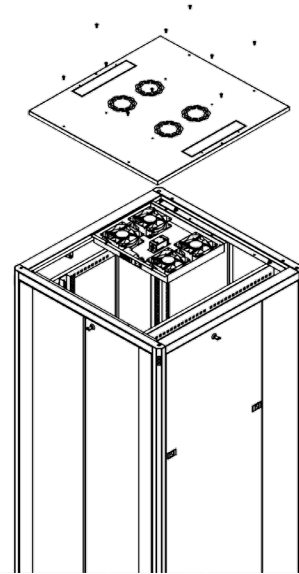
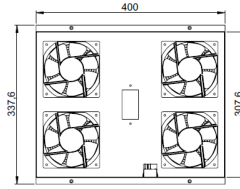
Quick-change fan trays that can be accessed without removing the cabling or the device from the rack

Elegant-Net ; Roof panel has been designed for ventilation module which can be detached by removing 4 pcs screws from the top in case of maintenance or replacement needs.

**STANDARDS:** EMC EN55032:2015 & LVD IEC 62368-1 :2018

### Power Characteristics

Voltage range	220/240
Freq Hz	50/60
Current (A)	0,14A
Power W	22
Speed RPM	2700/3000
Noise level in (dB)	40/47dB
Air flow M3/Hr & CFM	133/162 & 82/95

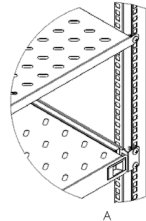
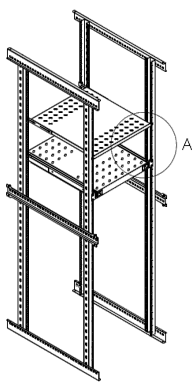


### Compatible Fan Units

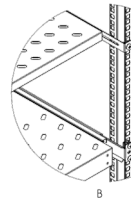
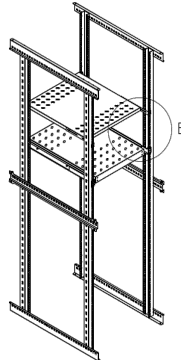
PACCELFN02	Ventilation unit with 2 Fans+with On/Off switch control
PACCELFN04	Ventilation unit with 4 Fans+with On/Off switch control
PACCELFNT2	Ventilation unit with 2 Fans+Analog Thermostat
PACCELFNT4	Ventilation unit with 4 Fans+Analog Thermostat
PACCELFNDT2	Ventilation unit with 2 Fans+Digital Thermostat
PACCELFNDT4	Ventilation unit with 4 Fans+Digital Thermostat

*Note: compatible with all 19inch rack mount Fan units*

### SHALVES



Front view  
Fixed & Sliding shelf  
installation



Rear view  
Fixed & Sliding shelf  
installation

#### FIXED /SLIDING SHELVES LOAD CARRYING CAPACITIES

- Fixed shelf : 50kg / 110lbs
- Sliding shelf : 25kg / 55 lbs

### Compatible Shelves

PACCRSR80	1/2U Fixed Shelf - 800 mm Depth Cabinets
PACCRKHR80	Sliding Shelf - 800 mm Depth Cabinets

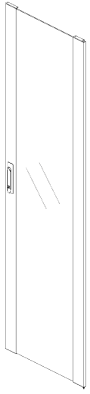
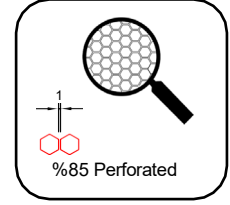
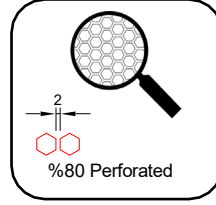
*Note: compatible with all cantilever shelves*

**\*Important:** Fan units and shelves are not including, please order separately.

**ELEGANT NET  
OPTIONS**

Institutional Coding Initial Character	U Height	Width-Depth Dimension	Color Code		Door Options		
					X	X	X
AAAA	XXU	WWDD	CC		Front Door	Rear Door	Side Panel
					ELGN	12U	6060
	16U	6080	RAL 9005	BL	<b>2</b> Hinged Glass Double Opening Front Door Metal Side Frames	<b>2</b> Hinged Metal Double Opening Rear Door	<b>1</b> Removable Side Panel
	20U	6010			<b>3</b> Hinged %85 Curved Perforated Single Opening Front Door	<b>3</b> Hinged %85 Curved Perforated Single Opening Rear Door	<b>2</b> Removable Side Panel with Louver
	22U	6011			<b>4</b> Hinged %85 Flat Perforated Double Opening Front Door	<b>4</b> Hinged %85 Flat Perforated Double Opening Rear Door	<b>3</b> Removable %80 Perforated Side Panel
	26U	6012			<b>5</b> Hinged %80 Curved Perforated Single Opening Front Door	<b>5</b> Hinged %80 Curved Perforated Single Opening Rear Door	
	32U	8080			<b>6</b> Hinged %80 Flat Perforated Double Opening Front Door	<b>6</b> Hinged %80 Flat Perforated Double Opening Rear Door	
	36U	8010			<b>7</b> Hinged Metal Single Opening Front Door	<b>7</b> Hinged Glass Single Opening Rear Door Metal Side Frames	
	42U	8011			<b>8</b> Hinged Metal Double Opening Front Door	<b>8</b> Hinged Glass Double Opening Rear Door Metal Side Frames	
	45U	8012			<b>9</b> Hinged %80 Flat Perforated Single Opening Front Door	<b>9</b> Hinged %80 Flat Perforated Single Opening Rear Door	
	47U				<b>A</b> Hinged Full Framed Glass Single Opening Front Door	<b>A</b>	
					<b>B</b> Hinged %85 Flat Perforated Single Opening Front Door	<b>B</b>	
					<b>C</b> Hinged Full Framed Glass Double Opening Front Door	<b>C</b> Hinged Metal Double Opening Rear Door with 3 Point Locking	

ELEGANT NET  
FRONT DOOR OPTIONS



**1**

Hinged Glass Single  
Opening Front Door  
Metal Side Frames



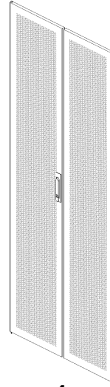
**2**

Hinged Glass Double  
Opening Front Door  
Metal Side Frames



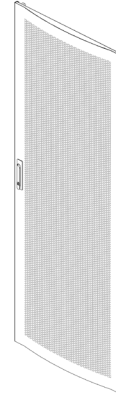
**3**

Hinged %85 Curved  
Perforated Single Opening  
Front Door



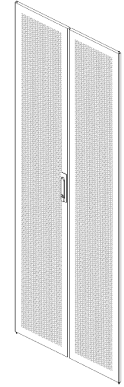
**4**

Hinged %85 Flat  
Perforated Double  
Opening Front Door



**5**

Hinged %80 Curved  
Perforated Single  
Opening Front Door



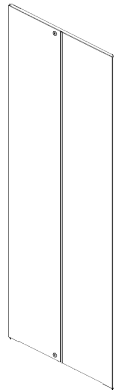
**6**

Hinged %80 Flat  
Perforated Double  
Opening Front Door



**7**

Hinged Metal Single  
Opening Front Door



**8**

Hinged Metal Double  
Opening Front Door



**9**

Hinged %80 Flat  
Perforated Single  
Opening Front Door



**A**

Hinged Full Framed Glass  
Single Opening Front  
Door



**B**

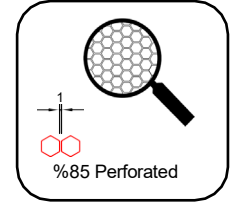
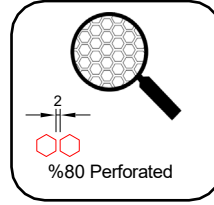
Hinged %85 Flat  
Perforated Single  
Opening Front Door



**C**

Hinged Full Framed  
Glass Double  
Opening Front Door

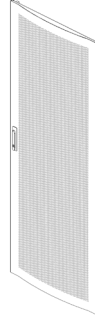
ELEGANT NET  
REAR DOOR OPTIONS



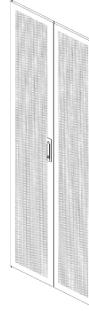
**1**  
Hinged Metal Single  
Opening Rear Door



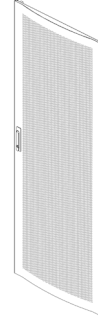
**2**  
Hinged Metal Double  
Opening Rear Door



**3**  
Hinged %85 Curved Perforated  
Single Opening Rear Door



**4**  
Hinged %85 Flat  
Perforated Double  
Opening Rear Door



**5**  
Hinged %80 Curved Perforated  
Single Opening Rear Door



**6**  
Hinged %80 Flat Perforated  
Double Opening Rear Door



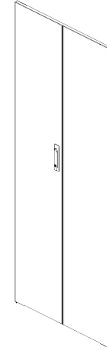
**7**  
Hinged Glass Single Opening  
Rear Door Metal Side Frames



**8**  
Hinged Glass Double  
Opening Rear Door  
Metal Side Frames



**9**  
Hinged %80 Flat Perforated  
Single Opening Rear Door



**C**  
Hinged Full Framed  
Glass Double  
Opening Front Door

ELEGANT NET  
SIDE PANEL OPTIONS



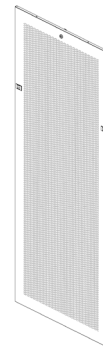
**0**  
No Side Panel



**1**  
Removable Side Panel

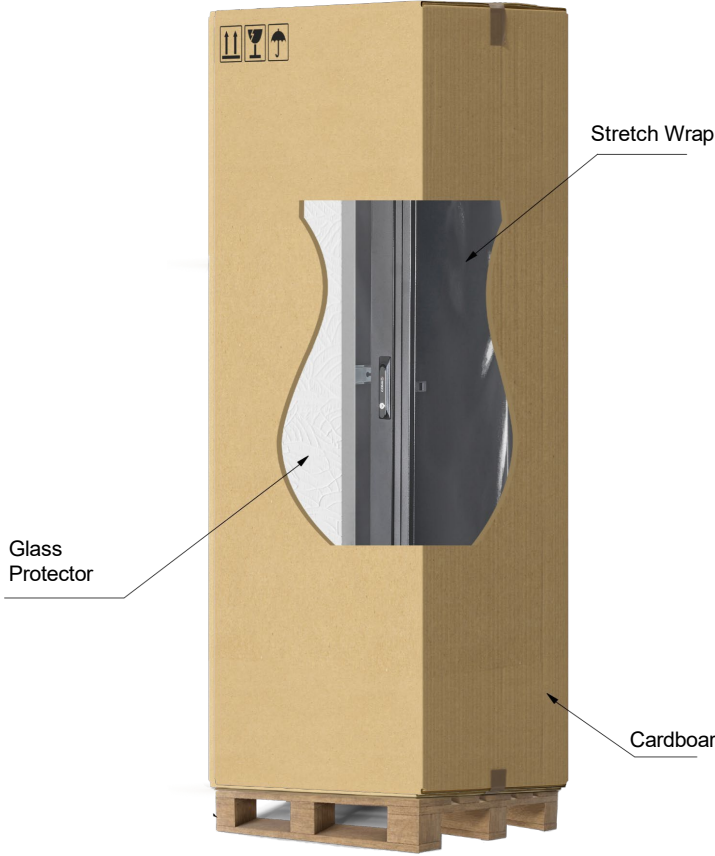


**2**  
Removable Side Panel with  
Louver

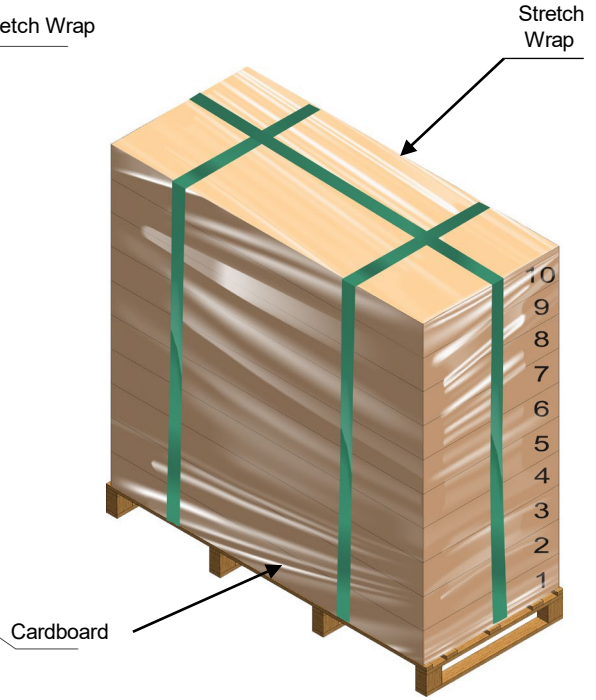


**3**  
Removable %80 Perforated Side  
Panel

**ASSEMBLED**



**ALLIN-1 Flat Package**  
MOQ : 10pcs



ELEGANT NET 800 x 800 mm		PACKING INFORMATION	DISSEMBLED PACKING INFORMATION	
Product Code	Product Description	WxDxH (mm)	Net Weight (kg)	Gross Weight (kg)
ELGN26U8080CC221	Elegant NET 19" 26U W=800 mm D=800 mm			
ELGN32U8080CC221	Elegant NET 19" 32U W=800 mm D=800 mm			
ELGN36U8080CC221	Elegant NET 19" 36U W=800 mm D=800 mm			
ELGN42U8080CC221	Elegant NET 19" 42U W=800 mm D=800 mm			
ELGN45U8080CC221	Elegant NET 19" 45U W=800 mm D=800 mm			
ELGN47U8080CC221	Elegant NET 19" 47U W=800 mm D=800 mm			

*\*\*The information given in the table above are average values and are for informational purposes only. It may vary according to accessories and door options. Please contact our sales consultant for the exact information of your orders.*



## TECHNICAL SPECIFICATIONS

### PROTECTION INDEX

- IP20 According to IEC 61587-1 :2016 / IEC 61587-2:2011 / IEC 61587-3:2013
- IEC 60529
- IP20

### MECHANICAL PERFORMAMANCE

- EN 61587-1 5.2.1 / 5.2.3
- Static mechanical load test (Performance level SL 12)
- Stiffness test (Performance level ST5)
- Dynamic mechanical load test (Performance level DL4V)
- Resonance point detection test Duration of lhe test at each frequency was 10 minutes
- Vibration test (Sinus-IEC 60068-2-6:Fc; 2007)
- Shock test (IEC 60068-2-27: Ea; 1987) Performance level DL4S
- Impact test (IEC 60068-2-75: Eh; 2014) (Performance level IK07)
- Permissible load carrying capacity : 1500kg

### CLIMATIC TESTS (Performance level C2)

- Cold (IEC 60068-2-1 :2007; Ab ) Temperature of the exposure: -25°C +/-3°C
- Dry heat (IEC 60068-2-2 :2007; Bd) Temperature of the exposure: +70°C +/-2°C
- Damp heat cyclic (IEC 60068-2-30:2005; Db ; (cyclic 2x), variant 2)

### INDUSTRIAL ATMOSPHERE (Performance level A2)

- Salt mist test IEC 60068-2-11
- Salt Spray Test TS EN ISO 9227
- Sulphur dioxide test and hydrogen sulphide test (IEC 60068-2-42, IEC 60068-2-43 and IEC 60068-2-49)

### GROUNDING CONTINUITY

EN 61587-1 / EN 61010-1

- The continuity of the protection circuit is in accordance with the standard regulations. The measured resistance was less than 0.1 Ohm.

### STANDARDS

1. **ISO9001-2008** Quality management system must be used in the production of 19" Rack cabinets
2. 19" Rack Cabinets must have a **TSE Certificate IEC 61587-1 :2016, IEC 61587-2:2011, IEC 61587-3:2013**
3. **IEC60917 – IEC 60297** standards
4. **CE** According the **IEC/ISO 17050 – EN 62208:2011 & EN 60335-1**
5. In addition, all of the main and auxiliary materials used in the manufacturing process must comply with the following standards

**SHEET METAL:** TS EN ISO 9001:2008; TS EN 10130 :2006; DIN EN 1030- EQV; BS EN 1030-EQV; NF A36-401.

**ELECTROSTATIC POWDER PAINT:** ISO 9001:2015 ASTM D523; ASTM D2794; DIN EN ISO 2811-1; ASTM D1186/D1400; Ral:9005 or Ral:7035.

**VENTILATION UNITS ( Fan Unit )** "EMC EN55032:2015 & LVD IEC 62368-1 :2018

**CONNECTION COMPONENTS** (screw, nut, washer etc.)" TS EN ISO 7045; TS EN ISO 4032; RoHS IEC 62321 "

**CASTER SET** " TS EN 12532 , TS EN 12533 , RoHS IEC 62321:2008"

**LOCKS SYSTEMS** "DIN-EN ISO 1043-1 PA6 GFR 30; DIN-EN 1774-ZnAl4Cu1.

## TECHNICAL SPECIFICATIONS

**Documents;** Manufacturer company, **ISO 9001:2015** quality assurance system and **EN 61587-1 15.01.2018, 61587-2** in the production of 10" cabinets.(Mechanical structures for electronic equipment) standards and submitted in the tender dossier.

**Standards;** Cabinets must be 19" in ETSI and/or EIA 310-D standards.

**Dimension;** Cabinet must be height (26U,32U,36U,42U,45U,47U )

- Width : 800mm
- Depth : 800mm

**Main Frame and Profile Structure;** The main body of the cabinet is consisting by front and rear welded frames + bottom and upper lateral bars. Front and rear welded type monoblock frames should be made of t=1.50mm sheet metal material. Each corner profiles should have 6 bending points with an aesthetic appearance, each multifolded profiles must be with an angle of 45 degrees bending points for increasing the mechanical strength. There should be no burrs and sharp edges for eliminating the injury during the installation, welding and mechanical connection points on this frame must be comply and tested to provide axial (x, y, z) strength of the cabinet. **EN 61587-1 / 5.2.1 / 61587-2** and **5.2.2**, resistance to external impacts **EN 61587-1 / 5.3.3 / 61587-2**, dynamic load, vibration and mechanical impact (**IEC 60068-2-6** , **IEC 60068-2-27**) test results must be documented by TSE.

**Bottom Plate;** must have cable access that would block dust inlet. Bottom case must have 2 pcs cable entry with sliding cover with dimensions 300x129mm, 2 pcs 56x300mm M-joint cable entries.

**Top Plate;** must be compatible with 2 & 4 way fan unit installation, + 2.pcs M-joint type cable entry with dimensions 300x56mm.

**Rear Door;** must be full length solid metal with single barrel lock mechanism. Standard rear door configuration has a single opening door for width: 800mm rack cabinets.

**Side Panels;** must have a structure that can be openable and removable by 2 sliding latch locks and one barrel lock with key.

**Front Door;** Glass structure must be tempered,anti-static,secure glass with 4mm thickness according to **EN 12150-1:2008** standard. front door must have left and right metal frames structure with high density silicone, screws and nuts, structure that open 135 degrees , removable by spring hinge , lockable with swing handle lock.

**19" Mounting Rails;** are 4 pcs and adjustable throughout the entire depth of the cabinet and thickness must be 1.5mm, silk-screened. It must be provide ability to count "U- Marking" from top to down & down to up for easy device installation, the structure of mounting rails should have been manufactured with a precision of +/- 0.01 on CNC punch benches with 9.5x9.5mm square holes in 1U=44.45.

**Lateral extension parts;** It must be 4pcs for each cabinet. The structure of the multifolded lateral extension parts has been designed for placing between the front and rear monoblock welded main frames.

**Paint;** Cabinets must provide high resistance against the external impacts. It should be painted with electrostatic RAL9005 black powder paint or RAL7035 white powder paint. (**ISO 9001:2015**). It should withstand 1000 hours of salt test and test result reports should be documented. (**TS EN 60068-2**). On metal surfaces; Paint thickness of 80 +/- 5 microns should be provided and **ASTM D523; ASTM D2794; DIN EN ISO 2811-1; ASTM D1186/D1400**; It must be RAL9005 or RAL7035 and the results must be documented by TSE.

**Grounding;** All metal components in the cabinet must be electrically interconnected, and the grounding resistance must be maximum 0.1 ohm in accordance with the **IEC 61010-1 / 6.5.1.3** standard.

\*All cabinets should be able to be connected side by side without side cover when requested.