



Elegant Net 19inch Free Standing Rack Cabinet
H:26U-47U W:800 x D:800

- Removable and lockable side panels
- Optional fan-unit into the roof or 19inch rack mount type fan unit
- Flat-packed construction
- Vertical mounting rails are adjustable throughout the entire depth of the cabinet.
- High load carrying capacity (*standard 800kg & Modified structure 1500kg*)
- With 1.5mm thickness silk-screen mounting rails.
- Double front doors Tempered safety glass t:4mm
- Double rear doors Sheet steel
- *Perforated front and rear doors are available upon the request*

List Code : ELGN XXU 8080 CC 221

Technical Data

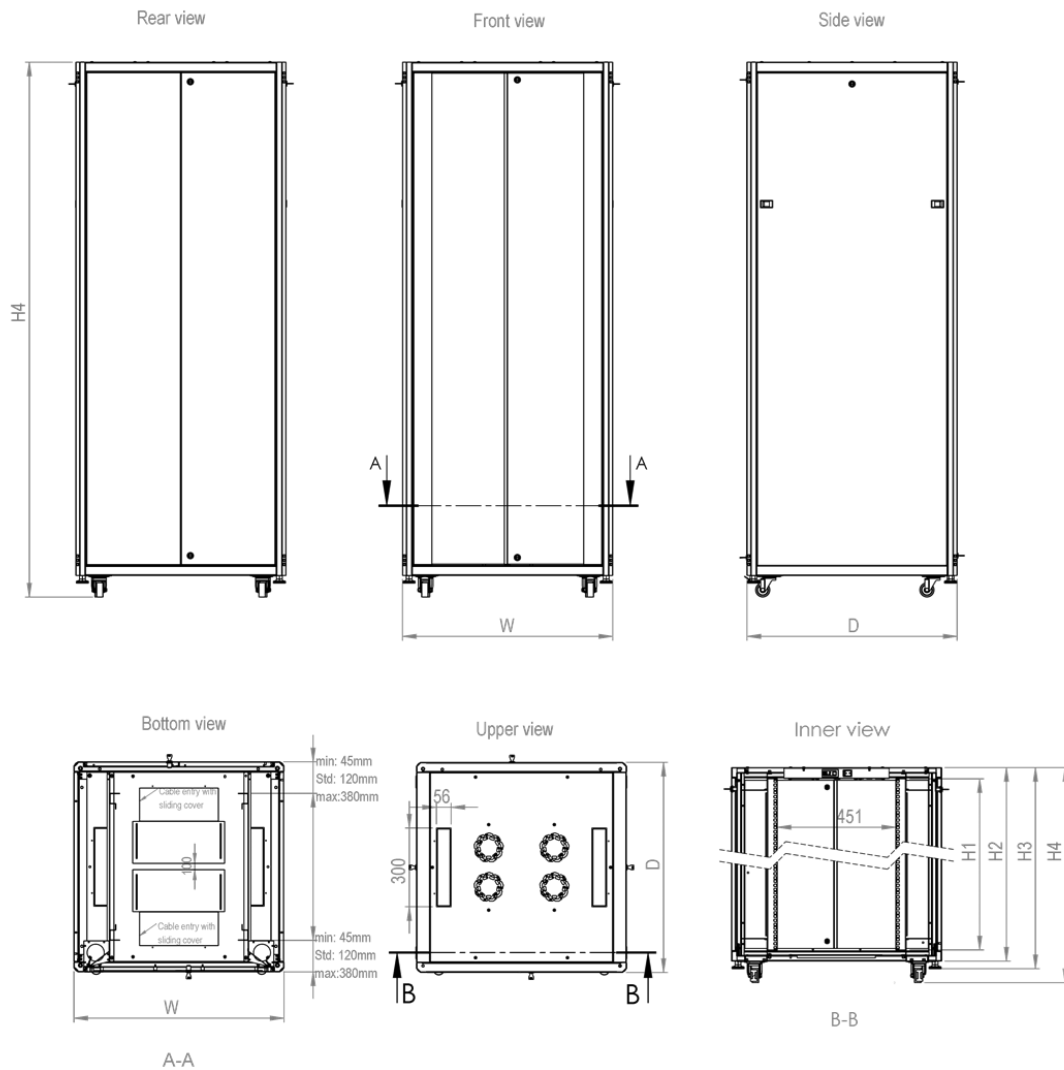
Dimensions HxWxD in mm	H:(Check 2nd page)W:800mm D:800mm
Height in U	26U–32U–36U–42U–45U–47U
Color	<i>RAL 9005 Black color = ELGN XXU 8080 BL 221 or RAL 7035 L.gray color = ELGN XXU 8080 LG 221</i>
Grounding continuity Standards	In accordance with the standard EN 61587-1: 2012 / EN 61010-1 / IEC 60917- IEC 60297 ISO9001-2015 TS EN 61587-1 :2012, 5.2.1 and 5.2.2 CE According the IEC/ISO 17050 – EN 62208:2011 & 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	(Check 2nd page for different height options)
Load Carrying Capacity	800kg / 1763lbs (<i>Modified structure up to 1500kg / 3306.93lbs</i>)
IP rating	IP20

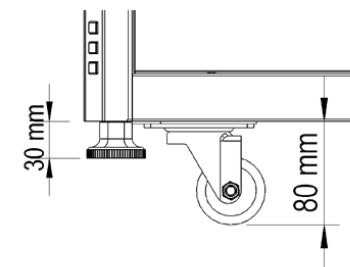
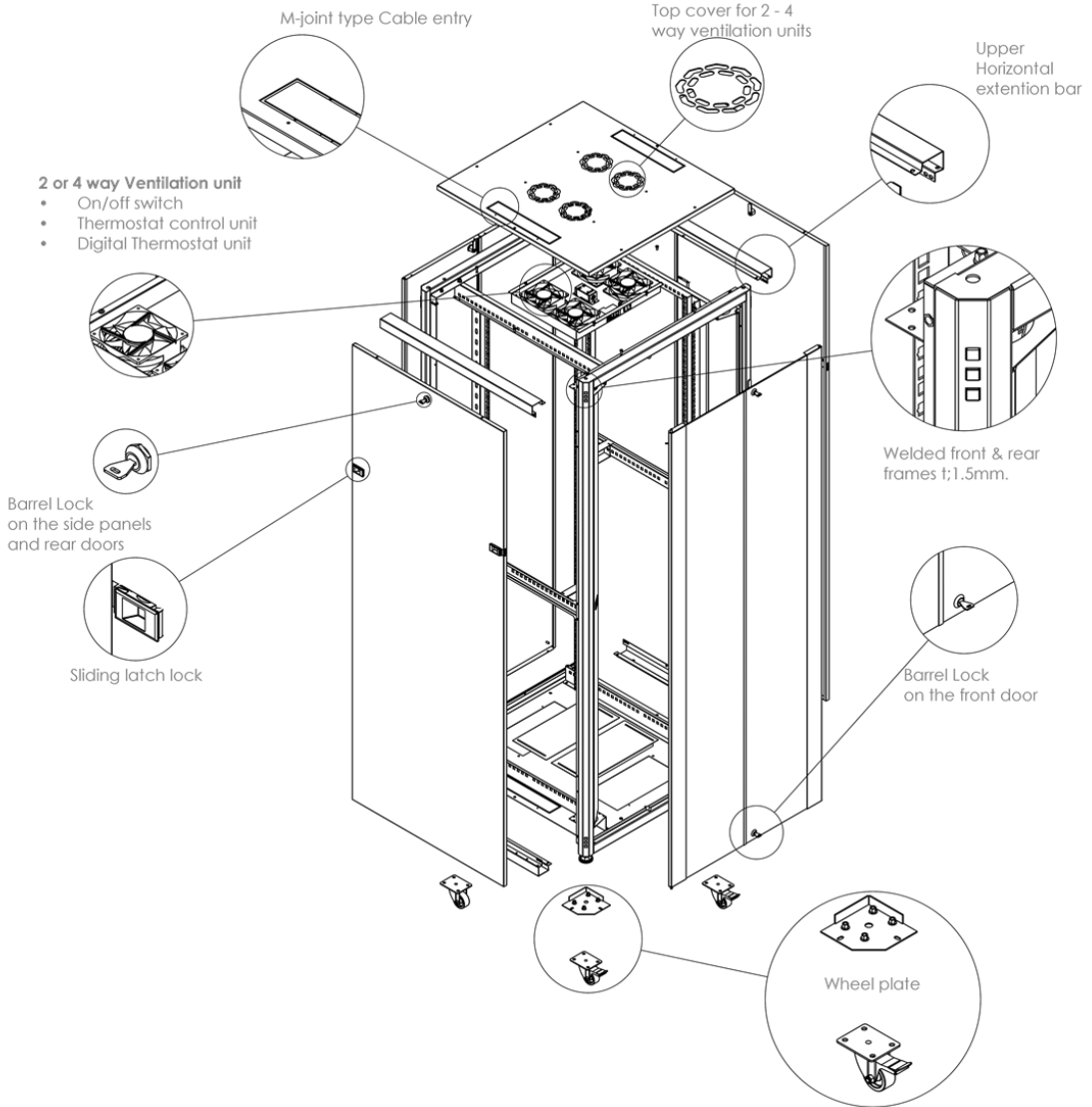
We are responding the needs of users with choice of 6 different height dimensions.

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

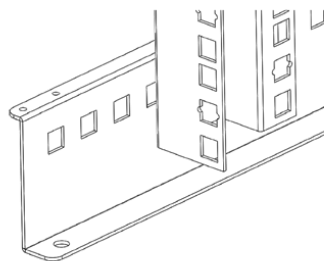


Product code	Product description	Dimensions		Height specifications			
		Out width (W)	Out depth (D)	H1 Inner Height	H2 Out Height without feet & wheel set	H3 Out height with levelling feet	H4 Out height with wheel set
ELGN 26U 8080 CC 111	ELEGANT NET 19" 26U W=800 mm D=800 mm	800	800	1158,9	1243,8	1273,8	1323,8
ELGN 32U 8080 CC 111	ELEGANT NET 19" 32U W=800 mm D=800 mm	800	800	1425,6	1510,5	1540,5	1590,5
ELGN 36U 8080 CC 111	ELEGANT NET 19" 36U W=800 mm D=800 mm	800	800	1603,4	1688,3	1718,3	1768,3
ELGN 42U 8080 CC 111	ELEGANT NET 19" 42U W=800 mm D=800 mm	800	800	1870,1	1955	1985	2035
ELGN 45U 8080 CC 111	ELEGANT NET 19" 45U W=800 mm D=800 mm	800	800	2003,5	2088,35	2118,4	2168,35
ELGN 47U 8080 CC 111	ELEGANT NET 19" 47U W=800 mm D=800 mm	800	800	2092,4	2177,25	2207,3	2257,25

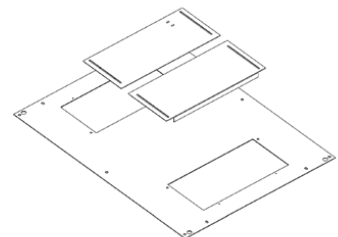
Explode View



Wheel and Levelling feet



19" Mounting rail and Z-shape Horizontal bar



Front and rear cable entry panel with sliding cover

VENTILATION OPTIONS

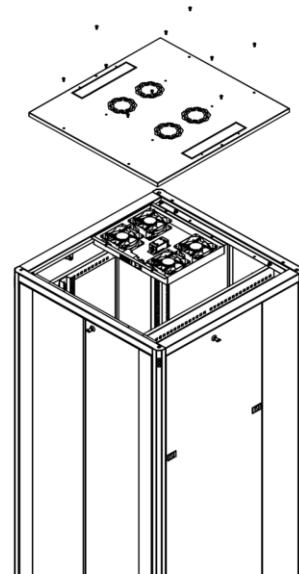
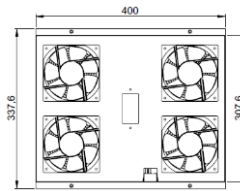
Quick-change fan trays that can be accessed without removing the cabling or the device from the rack

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

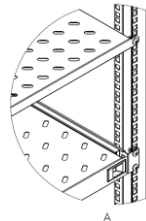
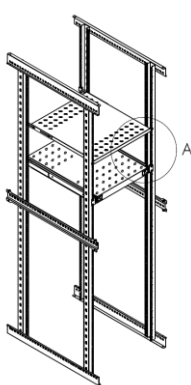


Compatible Fan Units

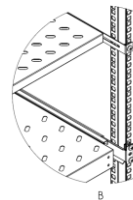
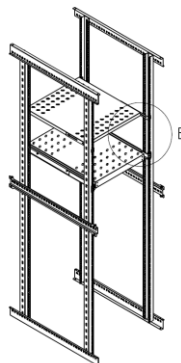
PA CC ELG FN 02	Ventilation unit with 2 Fans+with On/Off switch control
PA CC ELG FN 04	Ventilation unit with 4 Fans+with On/Off switch control
PA CC ELG FN T2	Ventilation unit with 2 Fans+Analog Thermostat
PA CC ELG FN T4	Ventilation unit with 4 Fans+Analog Thermostat
PA CC ELG FN DT2	Ventilation unit with 2 Fans+Digital Thermostat
PA CC ELG FN DT4	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

PA CC RK SR 80	1/2U Fixed Shelf - 800 mm Depth Cabinets
PA CC RK HR 80	Sliding Shelf - 800 mm Depth Cabinets

Note: compatible with all cantilever shelves

TECHNICAL SPECIFICATIONS

PROTECTION INDEX

- IP20 According to EN 61587-1 / IEC 60529
- IP20 :Rigid test rod diameter of 2.5 mm, 100 mm long (as specified by the standard) is pushed against any openings of the enclosure with the force of 3N

MECHANICAL PERFORMANCE

- EN 61587-1 5.2.1 / 5.2.3
- Stiffness test (Performance level SL6)
- Dynamic mechanical load test (Performance level DL4)
- Resonance point detection test IEC 60068-2-6
- Vibration test (Sinus-IEC 60068-2-6)
- Shock test IEC 60068-2-27)
- Impact test IEC 60068-2-75 (Performance level K2)
- Permissible load carrying capacity : 800kg

CLIMATIC TESTS (Performance level C2)

- Cold (IEC 60068-2-1) Temperature of the exposure: -25°C +/-3°C
- Dry heat (IEC 60068-2-2) Temperature of the exposure: +70°C +/-2°C
- Damp heat cyclic (IEC 60068-2-30)

INDUSTRIAL ATMOSPHERE (Performance level A3)

- Salt mist test (IEC 60068-2-11)
- Sulphur dioxide test and hydrogen sulphide test IEC 60068-2-42, IEC 60068-2-43, 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 EN-61587-1 , IEC60917 – IEC 60297** standards
3. 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

TEMPERED SAFETY GLASS " ISO 9001 , EN 12150 – 2 : Glass, Tempered, secure " Mechanical strength test result: Bending strength minimum 120 N/ mm²

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

WHEEL 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

1. Dimensions must comply with **IEC60297** standards. Cabinet must be height (26U,32U,36U,42U,45U,47U)
 - Width : 800mm
 - Depth : 800mm
2. Main frame and profile structures must be manufactured and tested to provide axial (x, y, z) resistance that meets EN 61587-1 / 5.2.1 and 5.2.2, and external impact resistance that meets EN 61587-1 / 5.3.3. Dynamic load, vibration and mechanical impact (IEC 60068-2-6 , IEC 60068-2-27) test results must be certified by TSE.
3. Main profile structure must be a structure that would increase mechanical resistance with aesthetic appearance, folded with an angle of 45 degree and must consist of 6 bending. 2 front and rear frames must be with welded and framed monoblock structure.
4. Bottom plate must have middle cable access that would block dust inlet with sliding cable entry paths with dimensions 300x125mm (2 pcs for 800x800mm) and 2 pcs M-joint type cable entry on the left / right with dimensions 300x56mm
5. Double Rear door must be full length double solid metal with 2 pcs Barrel locks mechanism,
6. Side panels must have a structure that can be openable and removable by 2 sliding latch locks and 1 ea. barrel lock with key
7. Double 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 and screws and nuts , structure that open 135 degrees , removable by spring hinges both sides, lockable with 2pcs barrel type locks up and down .
8. To provide high resistance to impacts, cabinets must be coated by RAL 9005 or RAL 7035 Electrostatic powder coat to meet ISO 8130 and ASTM D 523 / 2794 standards and test result reports must be certificated. On flat metal surfaces, there must be 85±5 micron paint thickness and must be tested according to ASTM D2794; DIN EN ISO 2811-1; ASTM D1186/D1400 Ral:9005 or Ral:7035.
9. 4pcs Lateral extension parts must have a structure that would increase resistance and strength of cabinet between front and rear monoblock frames.
10. Roof panel must be compatible with 2 & 4 way cooling unit installation + 2 pcs M-joint type cable entry on the left / right with dimensions 300x56mm
11. Vertical mounting rails are adjustable throughout the entire depth of the cabinet and thickness must be 1.5mm, Silk-screened mounting rails must provide ability to count U- Marking from top to down & down to up for easy device installation
12. Cabinet locks: all locks used in cabinets must have the same coded-key and all covers of cabinets must have a lockable structure
13. Fan units must be with the standards ISO 9001 :2015 , CE (89/336/EEC EMC EN55032:2015 LVD IEC 62368-1 :2018) , RoHS " , Noise 40/47dB , Air Flow M3/Hr 133/162 CFM 82/95.
14. All metal components in cabinets must be connected to one another electrically and grounding resistance must be maximum 0,1 ohm according to IEC 61010-1 / 6.5.1.3 standard. All proposed products must be tested to meet this standard and their results must be certificated by TSE.
15. Vertical cable management panel: must be suitable for w:800mm rack cabinets in order to use for High-density cable management .