

# COSMOLINE

Technical data pages by Formrack

Cosmoline 19" Free Standing Rack  
Cabinet Reference Rack:36U 800x800

**FORMRACK®**



## General Features

- Cosmoline cabinets have four side openable, lockable and easily removable covers.
- The rear and side covers are made by DKP sheet and the front side is made by 4 mm thick, impact-resistant, tempered and smoked-colored glass which is supported by metal frames.
- The frame and corner profiles have nested structure and this structure provides high strength.
- Ventilation can be provided by cooling units with 2 or 4 fans.
- 36U height option.
- There are four 19" mounting profiles which can be adjusted in depth according to the need in the cabinet
- Mounting profiles have U markings that facilitate the mounting process.
- At the bottom part of the cabinets, there is a sliding and dust-protected brushed cable entry. These entries are available in two locations, from bottom to top.
- Painted by impact-resistant, high strength, electrostatic Ral 9005 texture black color or Ral 7035 gray.
- All test procedures have been carried out and has RoHS, CE, EN 61587-1 standards.

## Technical Descriptions

Dimensions W*D	: W:780 mm D:780 mm
Available U - Sizes	: 36U
Paint Type	: Electrostatic powder paint
Standarts	: In accordance with the standard TS EN IEC 61587-1: 2022 / ISO9001-2015 / ISO14001-2015 / ISO 45001-2018 / ISO 27001:2017 / RoHS / UL 2416
Material	: Sheet Steel, DIN EN 1030-99 / DC-01 6112 / DC-7122
Load Carrying Capacity	: 800kg / 1 763.69lbs
IP rating	: IP20
Available Colors	: Ral 9005 Black / Ral 7035 Light Gray (Contact your sales representative for different colors)

COSMOLINE

### FORMRACK

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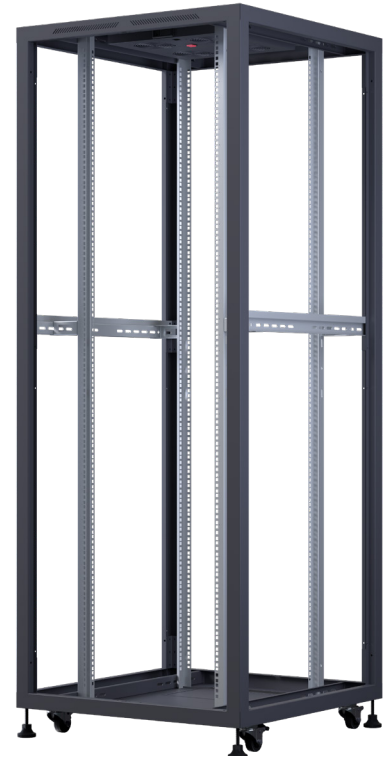
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■ RAL 9005



■ RAL 7035



## DOORS

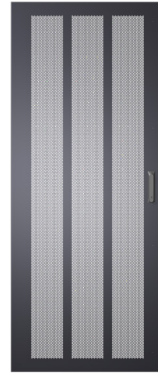
Front Doors



Double Glass Door



Single Glass Door



Single Perforated Door



Double Perforated Door

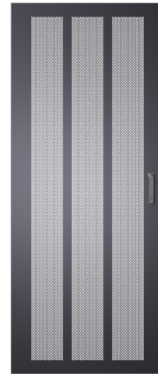
Rear Doors



Single Solid Metal Door



Double Solid Metal Door



Single Perforated Door



Double Perforated Door

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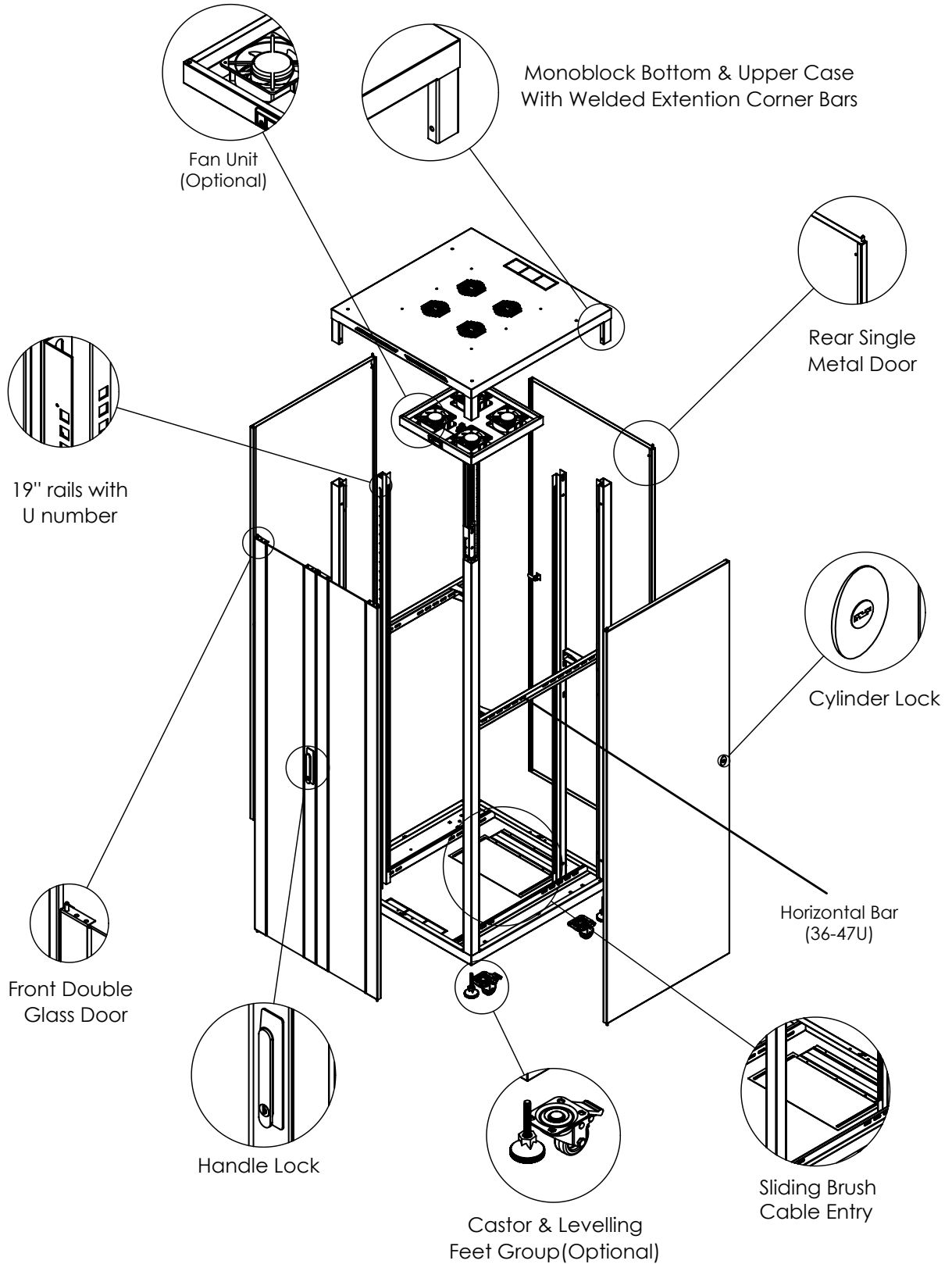
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## Exploded View



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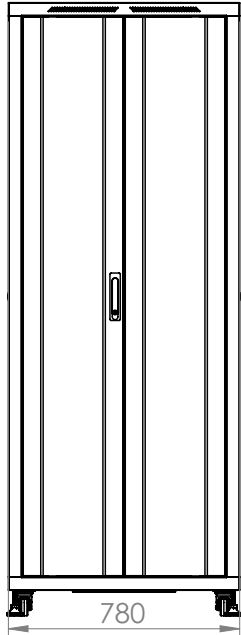
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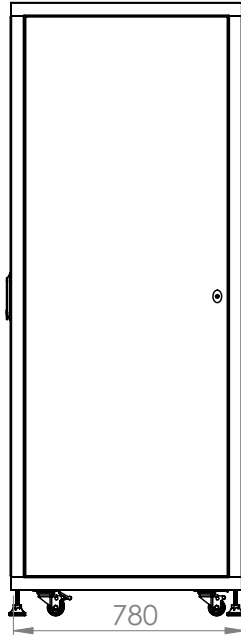
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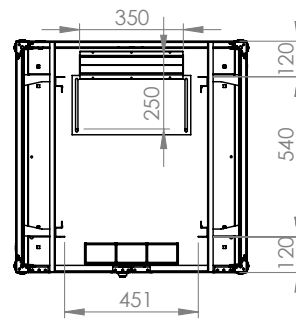
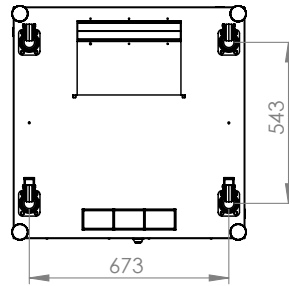
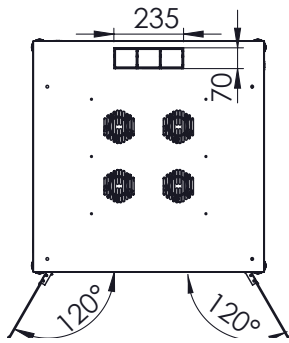
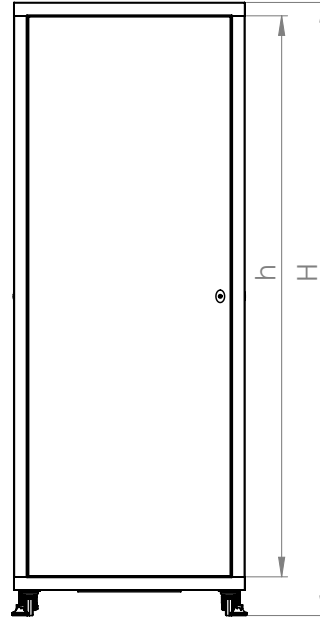
Front View



Side View



Back View



Top View

Bottom View

Detail View

Product Number	Product Name	Dimensions (WxDxH) (mm)	U	H (mm)	h (mm)	Weight (kg)
FORM CSM-36U8080	36U 800x800 COSMOLINE FREE STANDING CABINET	780x780x1831	36	1831	1603	90

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## STANDARDS

### PROTECTION INDEX

- IP20 According to TS 3033 EN 60529
- IP20 :Rigid test rod diameter of 12 mm, 80 mm long (as specified by the standard) is pushed against any openings of the enclosure with the force of 10N

### MECHANICAL PERFORMAMANCE

- EN 61587-1 5.2.1 / 5.2.3
- Static mechanical load test (Performance level SL06)
- Resonance point detection test IEC 60068-2-6
- Rolling Test (TS EN IEC 61587-1)
- Vibration test (IEC 60068-2-6)
- Shock test IEC 60068-2-27)

### 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 A2)

- 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, measured resistance was less than 0.1 Ohm.

**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 ) TS EN 62368-1:2020 — AC:2020 — A11:2020

**TEMPERED SAFETY GLASS** " EN 12150 – 2 Glass, Tempered, secure " Mechanical strength test result: Bending strength minimum 120 N/ mm<sup>2</sup>

**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.