**WALL MOUNTING CABINET TECHNICAL SPECIFICATION**

1. **GENERAL CONDITIONS**

10” and 19” wall mounting rack cabinets must have ISO 9001: 2008 quality management system certificate and TSE certificate including the standards of EN 61587-1, IEC 60917, IEC 60297. Brand of the product, commercial title, height, width and depth information must be placed on the TSE document.

1. **DIMENSIONS**

Complies with IEC 60297 standard. 19” cabinets must be (6U/7U/9U/12U) height, 520 mm. width and 300 mm or 400 mm. depth. 10” cabinets must be 6U height, 292 mm. width and 300 mm. depth.

1. **LOAD CARRYING CAPACITY**

Must be 30 kg.

1. **MAIN PROFILE STRUCTURE**

The main profile structure must have a structure that increases the aesthetic appearance and mechanical resistance. The stability of the cabinet must be increased with "U" shaped side panels connected to the top and bottom chassis.

1. **TOP AND BOTTOM CHASIS**

Top and bottom chassis which has a twisted monoblock design must have a structure that will increase the resistance and strength of the cabinet. The perforated top panel must consist of special vent holes for ventilation and the fan module system must allow for installation of a maximum of 2 fans. Each side panel must be fixed with M5x10 mm special screws to the top and bottom chassis.

1. **FRONT AND REAR COVERS**

According to EN 12150-1: 2000 standard, the front door must have antistatic, secure and smoked glass (4mm thickness), decorative lane structure. The front door can be opened up to 210° and can be lockable and movable.

Standard rear panel can be mechanically locked with 4 screws from the inside.

1. **SIDE COVERS/PANELS**

The side panels must have a screw connection for maximum stability.

1. **CABLE ENTRIES**

There must be 1 piece 70x145 mm. brushed and 1 piece plastic cable entry. They can be placed at the top or bottom chassis according to the cable entry direction.

1. **19” UPRIGHTS AND SIDE ARMS**

The 19" (in.) device mounting bracket (2 in front) must be a part of the cabinet interior configuration.

1. **COLOR**

It must be black(RAL 9005) or light grey(RAL 7035) as standard.

1. **DOCUMENTARY MATERIALS USED IN CABINET MANUFACTURING**

Sheet steel : DIN EN 10130 – 99 Ereğli DC-01 6112, 7122, RoHS

Electrostatic powder coating : ISO 9001, ISO 2178, ISO 2813, I SO 6272, ISO 8130-5, ISO 8130-3, RoHS

Fan : ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS

Glass : ISO 9001, EN 12150 – 1: 2000 tempered and secure

Fixings: DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS

Casters: TS EN 12530, TS EN 12532, RoHS

Lock: DIN 1743, DIN 53571, RoHS

1. **TESTS AND CERTIFICATES**

Environment: EN61587-1 / 4.2, IEC60068-2-1, IEC60068-2-2, IEC60068-2-30, IEC60917 and IEC60297

Industrial Environment: EN61587-1 / 4.3, IEC60068-2-42, IEC60068-2-43, IEC60068-2-49, IEC60068-2-1,

IEC60917 and IEC60297

Statical mechanical structure load test: EN61587-1 / 5.2.1, IEC60917 and IEC60297

Statical mechanical structure stability: EN61587-1 / 5.2.2, IEC60917 and IEC60297

Dynamic load, vibration and mechanical stroke: EN61587-1 / 5.3.1, EN61587- / 5.3.3, IEC60917, C60297,

IEC62208

Fire and flame resistance: EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion: ISO9227 and ASTM B 117-85, IEC60917 and IEC60297

IP protection degree: EN61587-1 / 6.4, IEC60529, IEC60917 and IP20 according to IEC60297

1. **ACCESSORIES**

Fan System: The setting range must be between 0-35 ºC with digital, analog or ON/OFF switch with 1 or 2 pieces fan controlled thermostat units. It must be suitable for installation inside the cabinet with electric cable and internal wiring. Every fan at 50 Hz max. must have a noise level of 38 dB and 53 CFM airflow. It must have a CE certificate.

Caster and/or leveling feet: The wheels must be movable in every direction and the front wheels must have a lockable structure. The load carrying capacity of each wheel and each leveling feet must be 250 kg.

Fixed shelves: Must be 19” and 1U or 2U.

Lighting fixture: 19”, 1U, with ON/OFF switch, 220 Vac, automatic door with ON/OFF switch or LED with sensor.