**WALL MOUNTING CABINET TECHNICAL SPECIFICATION**

1. **GENERAL CONDITIONS**

19” wall mounting rack cabinet 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. Must be (7U/9U/12U/16U/20U) height, 600 mm. width and 450 mm., 560 mm. or 610 mm. depth.

1. **LOAD CARRYING CAPACITY**

Must be 80 kg.

1. **MAIN PROFILE STRUCTURE**

The main profile must have an aesthetic appearance and a “U” type structure that will increase the mechanical resistance. Each profile must consist of 5 bends and is twisted at an angle of 90˚. The profiles must be joined to the top and bottom chassis by rivets.

1. **TOP AND BOTTOM CHASIS**

Top and bottom chassis which has twisted monoblock, welded and profile with internal locking 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.

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 right and left metal frame of the front glass door must be reinforced with screws and high density polyurethane glue. The front door can be opened up to 105°, can be locked and unlocked with "O" type lock unit.

The rear panel must be attached to the top and bottom chassis with rivets.

1. **SIDE COVERS/PANELS**

The side panels can be opened and removed with the "O" type lock.

1. **CABLE ENTRIES**

The edge of the cable entry panel is covered with rubber and its movable structure makes it possible to place and secure the cables inside the cabinet without damaging them.

The top cable entry must have a movable cable entry closure panel to provide protection against dust. When it is desired to insert the cables at the bottom level, the rubber edge cable entry panel on the top movable chasis can be replaced with the plastic cable entry panel at the bottom chasis. There must be a plastic cable entry panel in the rear door of the cabinet where the cables are inserted from the wall.

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

Grounding continuity: EN61587-1 / 6.2, IEC60917, IEC60297 and IEC 61010-1

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 and sliding shelf: Must be able to mount from 4 points (2 in front and 2 in rear). The load carrying capacity of fixed shelves are 50 kg. and 25 kg. for sliding shelves.

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

Grounding continuity: In cabinet grounding continuity must comply with IEC 61010-1 standard. All metal components in the cabinet must be electrically connected with each other by 1 x 4 mm² grounding cables and grounding resistance between superficial components must be max. 0,1 ohm. For all doors, these grounding cable connections must be made with bolts and nuts. Grounding continuity between the 19" movable mounting profiles and the main body must be provided with the toothed nuts and screws.