**WALL-MOUNTED CABINET TECHNICAL SPECIFICATION**

1. **GENERAL CONDITIONS**

10” and 19” wall-mounted rack cabinets must have ISO 9001: 2015 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 mono block 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:** EN 10346: 20015 DX51D+Z, EN 10130: 2006 DC01

**Electrostatic Powder Coating:** ISO6860, ISO2409, ISO1520, ISO2815, ISO6272, ISO7253 ISO6270-1, ISO2812**,** ISO 9001, RoHS

**Glass:** TS EN 12150-1, TS EN 1863-1

**Lock:** IEC 62474, REACH, RoHS

**Castors:** ISO 9001, TS EN 12532, RoHS

**Fan:** IEC 60335-2-80:2002, IEC 60335-1:2010

1. **TESTS AND CERTIFICATES**

**Resistance to environmental conditions and corrosion;**

**Stability, mechanical safety, resistance to static, dynamic and mechanical loads;**

**Resistance to vibration, mechanical shock and impact;**

**Degrees of mechanical protection provided by the enclosure (IP20);**

**Electrical grounding continuity;**

**Fire and flame resistance;**

Have been tested according to the standard “EN 61587-1” with the normative standards: IEC 60917, IEC 60297, IEC 60068-1, IEC 60068-2, IEC 60695-11-10, IEC 60950-1 contained and certified by the notified organizations.

**TSE Certificate No:**003788-TSE-08/02

**EAC** **Certificate No:** 0443637, 0776963, 0345864, 0401678, 0776653

**Corrosion:** ISO 9227 standard complied by the test report METALTEK AB-0547-T / 0157-1

**Transport:** ETS 300 019-1-2 Class 2.3 comply with internal testing

**Storage:** ETS 300 019-1-1 Class 1.2 comply with internal testing

**Surface Finish:** Electrostatic powder coated c/with surface treatment, 80+/-5 micron paint thickness

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.

**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.