

EA45A220HL (Half Wave)

EA45A220FL (Full Wave)

Self Excited Automatic Voltage Regulator 45Amp

Compatible with Carbon Brush Type Generators

(Parallel version is available for option)

Features

- Voltage regulation less than +/-1%
- 50/60 Hz selectable
- Full wave & half wave version available
- Adjustable voltage, stability & field limit
- Built-in high breaking capacity fuse
- Forced-Air Cooling by internal fan
- Under frequency protection

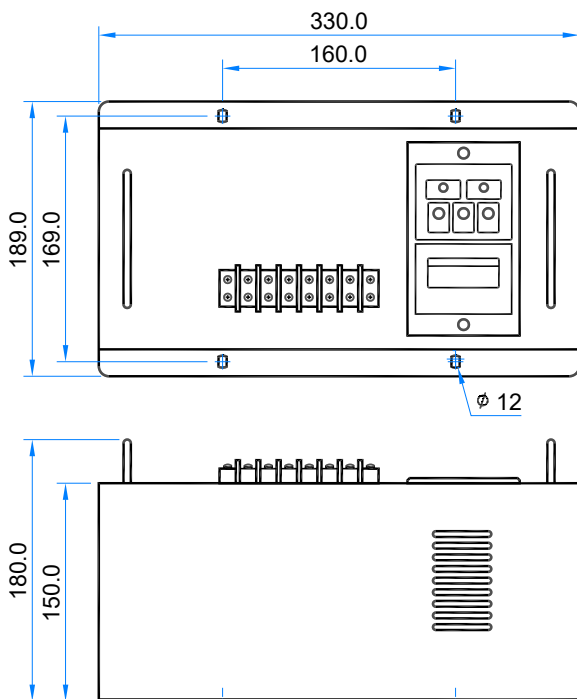


Specifications

| | | | | |
|----------------------------------|------------|--|---|--|
| Sensing & Power Input | Voltage | 170 to 265 Vac 1 phase 2 wire | Voltage Regulation | Less than +/-1% (with 4% engine governing) |
| | Frequency | 50/60 Hz selectable | Build Up Voltage* | Residual volts at AVR terminal > 5 Vac @ 25 Hz |
| Output (at 220 Vac input) | | | External Voltage Adjustment | +/-6% |
| | Voltage | EA45A220HL Max. 90 Vdc | Under Frequency Protection (Factory Presets) | |
| | | EA45A220FL Max. 180 Vdc | | 50 Hz system knee point at 45 Hz |
| | Current | Continuous 45A Intermittent 60A for 10 seconds | | 60 Hz system knee point at 55 Hz |
| | Resistance | EA45A220HL Min. 1.4 ohms | | |
| | | EA45A220FL Min. 2.7 ohms | | |

* If residual voltage is less than 5Vac, field flashing manually is required. Optional EB500 (auto flash module) is recommend to use for automatically and safely flash the field.

Dimensions



Unit : mm

Environment

| | |
|------------------------------|-----------------------|
| Operating Temperature | -40 to +60 °C |
| Storage Temperature | -40 to +85 °C |
| Relative Humidity | Max. 95% |
| Vibration | 3.0 Gs @ 100 to 2K Hz |

Physical Specifications

| | |
|-------------------|--------------------------------------|
| Dimensions | 330.0 (L) x 189.0 (W) x 180.0 (H) mm |
| Weight | EA45A220HL 4.5 Kg +/-2% |
| | EA45A220FL 5.2 Kg +/-2% |

