

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

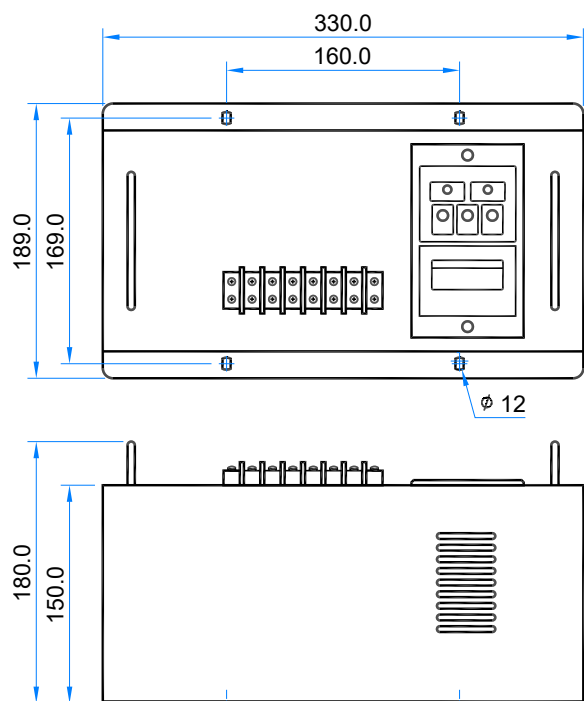


Specifications

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)	Voltage	EA45A220HL Max. 90 Vdc	External Voltage Adjustment	+/-6%
		EA45A220FL Max. 180 Vdc	Under Frequency Protection (Factory Presets)	
	Current	Continuous 45A Intermittent 60A for 10 seconds		50 Hz system knee point at 45 Hz
				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%



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