

EA45A220

Self Excited Automatic Voltage Regulator 45 Amp

Compatible with Carbon Brush* Type Generators

*All manufacturer names, numbers, symbols and descriptions are used for reference purpose only and do not imply that any part is the product of these manufacturer.

Features

- Voltage Regulation $< \pm 1\%$
- 50/60 Hz Selective
- Full Wave & Half Wave Version Available
- Adjustable Voltage, Stability & Field Limit



Specifications

Input	Voltage	170~265 VAC 1 phase 2 wire	Voltage Build-up	Residual volts at AVR terminal > 5 VAC (25 Hz)
	Frequency	50/60 Hz selectable	External Volts Adjustment	$\pm 20\%$
Output	EA45A220HL ^{*1}	Max. 90 VDC @ 220 VAC input	Under Frequency Protection	60Hz system presets knee point at 55Hz
	EA45A220FL ^{*2}	Max 180 VDC @ 220 VAC input		50Hz system presets knee point at 45Hz
	Current	Continuous 45A	Operation Temperature	$-40 \sim 60^{\circ}\text{C}$
		Intermittent 60A for 10 sec.	Dimensions	330.0 (L) x 190.0 (W) x 180.0 (H) mm
Volts Regulation	Resistance	Min. $1.5\ \Omega$	Weight	EA45A220HL 4.5 kg $\pm 2\%$
		$< \pm 1\%$ (with 4% engine governing)		EA45A220FL 5.2 kg $\pm 2\%$

*1 "HL" AVR for half-wave voltage output generators with under frequency protection.

*2 "FL" AVR for full-wave voltage output generators with under frequency protection.