

# EA08A-2000

Built as a Mid Level voltage regulator for use on a Marathon\* generator with PMG

Self Excited Automatic Voltage Regulator using IGBT Insulated Gate Bipolar Transistors



## Features

- < ±1% Regulation
- 110 / 220 / 400 VAC Input
- PMG input Frequency 40 to 500Hz
- PMG Voltage input from 25~300VAC
- PMG can be single and 3 phase
- Under Frequency Protection
- Two-stage For STAB Adjusting Range

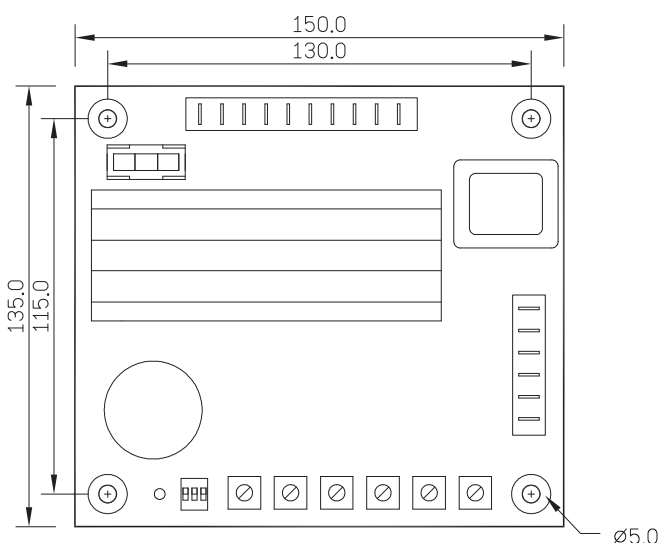
## Specifications

Sensing Input	Terminal 0-110V = 95 ~ 140V	Full Load PMG	<180VAC	Single Phase 150/180Hz
	Terminal 0-240V = 185 ~ 250V			
Output	Terminal 0-400V = 310 ~ 540V	+Auxiliary Winding		
	Frequency 50/60Hz Single Phase	Voltage Build-up	Harmonic Residual Volt. >5 VAC	
	Voltage 90VDC @ 220VAC	Under Frequency Protection	U/F Range 42 ~ 62Hz	
	Current Continuous 8A	External Voltage Adjustment	±10% with 1K Ohm	
	Intermittent 12A for 10sec	EMI Suppression	Internal Electromagnetic Interference Filtering	
Resistance 10 to 100 Ohms	Voltage Regulation	< ±1% (with 4% engine governing)		

## Environment

Vibration 1.5G @ 5 ~ 30 Hz	5.0G @ 30 ~ 500 Hz	Relative Humidity < 95%
Operating Temperature -40 to 60 Degree C.		Storage Temperature -40 ~ 85

## Mechanical Specifications



AVR Controls	Functions
VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F	UFRO Knee point set
DROOP	Droop Adjustment
TRIM	Analogue Input Adjustment
U/F DIP	U/V Rate Set

Physical Specifications	
Dimension	150.0 (L) x 135.0 (W) x 55.3 (H) mm
Weight	480 g ± 2%

\* This is not a Marathon Products  
The Marathon Name is use for  
Reference purpose only

UNIT : mm