

# EA15A3H

## Universal 15 Amp 1/2 Wave Self Excited 3 Phase Voltage Sensing Automatic Voltage Regulator

\*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 <math>\lt; \pm 0.5\%</math>
- 220 / 380 / 440 VAC Input Voltage Sensing
- 3 Phase Sensing
- High 15A Output Current
- 50/60 Hz Under Frequency Protection
- Soft Start Ramping
- Built-in High Breaking Capacity Fuse



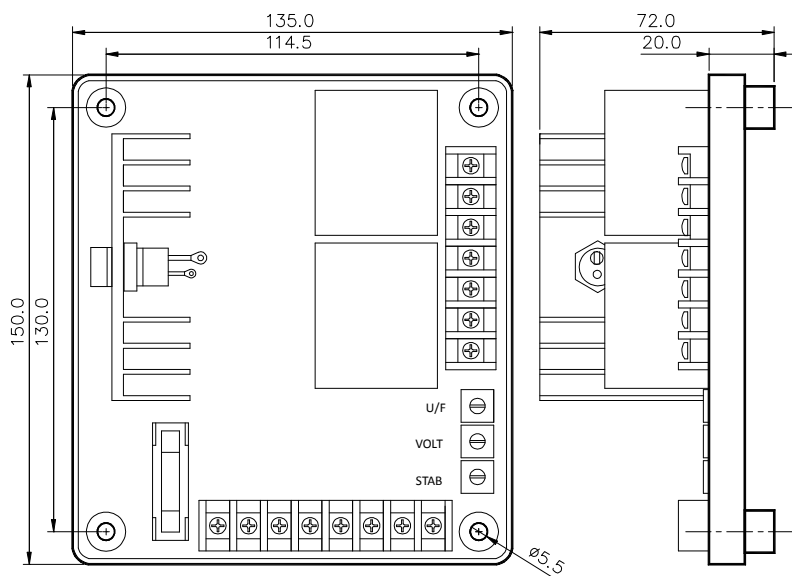
### Specifications

<b>Sensing Input</b>	Voltage	220/380/440 VAC 3 phase 3 wire	<b>Voltage Build-up</b>	Residual volts at AVR terminal > 5 VAC
	Frequency	50/60 Hz selectable		<b>External Volts Adjustment</b>
<b>Power Input</b>	Voltage	100~300 VAC 1 phase 2 wire	<b>Unit Power Dissipation</b>	
	<b>Output</b>	Voltage		Max. 90 VDC @ 240 VAC input
	Current	Continuous 15A Intermittent 20A for 10 sec.	<b>Thermal Drift</b>	0.03% per $^{\circ}\text{C}$ change in AVR ambient
	Resistance	Min. 4 $\Omega$ @ 35 volts output		<b>Under Frequency Protection (Factory Setting)</b>
<b>Volts Regulation</b>	<math>\lt; \pm 0.5\%</math> (with 4% engine governing)			

### Environment

<b>Operation Temperature</b>	-40~65 $^{\circ}\text{C}$	<b>Relative Humidity</b>	Maximum 95%
<b>Storage Temperature</b>	-40~85 $^{\circ}\text{C}$	<b>Vibration</b>	3.3G @ 100~2 KHz

### Mechanical Specifications (Unit : mm)



### AVR Control Function

<b>VOLT</b>	Voltage Adjustment
<b>STAB</b>	Stability Adjustment
<b>U/F*1</b>	To Set the U/F Knee Point

\*1 U/F : Under Frequency protection

### Physical Specification

<b>Dimensions</b>	150.0 (L) x 135.0 (W) x 72.0 (H) mm
<b>Weight</b>	867 g $\pm 2\%$