

# EA08A

## 8 Amp With Full Harmonic (Compounding Winding) AVR or Harmonic + Auxiliary Winding or PMG Automatic Voltage Regulator PWM Output

Compatible with Leroy Somer\* R448, R449 and R438 regulators

\*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  $< \pm 1\%$
- 110 / 220 / 380 VAC Programmable Input
- Harmonic Frequency 40~500 Hz
- Harmonic Voltage 25~300 VAC
- Under Frequency Protection
- Two-stage For STAB Adjusting Range
- PWM Output



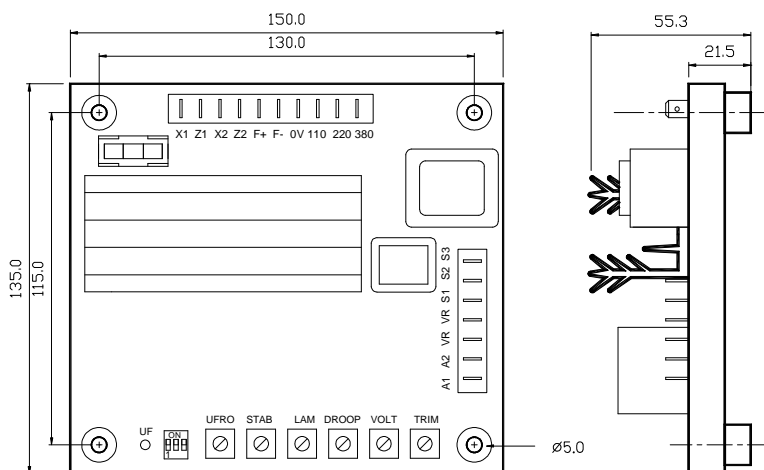
### Specifications

<b>Sensing Input</b>	Terminal 0-110V = 95~135V Terminal 0-220V = 180~250V Terminal 0-380V = 360~515V Frequency 50/60 Hz single phase	<b>Volts Regulation</b>	$< \pm 1\%$ (with 4% engine governing)
<b>Output</b>	Voltage 150 VDC @ 220 VAC Current Continuous 8A Intermittent 12A for 10 sec. Resistance 10~100 $\Omega$	<b>Voltage Build-up</b>	Harmonic residual volt. $> 5$ VAC
		<b>External Volts Adjustment</b>	$\pm 10\%$ @ 1 K $\Omega$
		<b>EMI Suppression</b>	Internal electromagnetic interference filtering
		<b>Under Frequency Protection</b>	U/F range 42~62 Hz
		<b>Droop Current Transformer</b>	N:5A or N:1A
		<b>Unload Harmonic + Auxiliary Winding</b>	$> 40$ VAC
		<b>Full Load Harmonic + Auxiliary Winding</b>	$< 250$ VAC single phase 40~500 Hz

### Environment

<b>Operation Temperature</b>	-40~60 $^{\circ}\text{C}$	<b>Relative Humidity</b>	Maximum 95%
<b>Storage Temperature</b>	-40~85 $^{\circ}\text{C}$	<b>Vibration</b>	1.5G @ 5~30 Hz / 5.0G @ 30~500 Hz

### Mechanical Specifications (Unit : mm)



### AVR Control Function

<b>VOLT</b>	Voltage Adjustment
<b>STAB</b>	Stability Adjustment
<b>U/F</b>	UFRO Knee point set
<b>DROOP</b>	Droop Adjustment
<b>TRIM</b>	Analogue Input Adjustment
<b>U/F DIP</b>	U/V Rate Set

### Physical Specification

<b>Dimensions</b>	150.0 (L) x 135.0 (W) x 55.3 (H) mm
<b>Weight</b>	480 g $\pm 2\%$