

# EA05AF

## Universal Automatic Self Excited 5 Amp Full Wave Voltage Regulator

Compatible with Onan VR21 series regulators

### Features

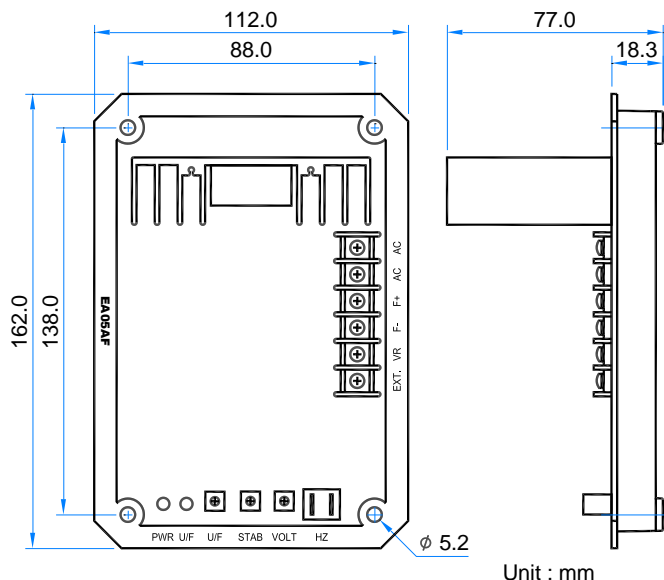
- Voltage regulation < +/-1%
- 220 Vac full wave rectifier
- Max. output voltage > 170 Vdc
- Under frequency protection
- Soft start voltage ramping
- Under frequency protection
- Built-in high breaking capacity fuse



### Specifications

<b>Sensing &amp; Power Input</b>	Voltage	160 to 260 Vac 1 phase 2 wire	<b>Unit Power Dissipation</b>	Max. 8 watts
	Frequency	50 / 60 Hz selectable	<b>External Volts Adjustment</b>	+/-10% with 5 kΩ 1 watt trimmer
<b>Output</b>	Voltage	Max. 170 Vdc @ 240 Vac input	<b>Soft Start Ramp Time</b>	2 seconds
	Current	Continuous 5A Intermittent 7A for 10 seconds	<b>Under Frequency Protection (Factory Knee Point Setting)</b>	
	Resistance	Min. 15 Ω Max. 100 Ω	50 Hz system presets knee point at 45 Hz	60 Hz system presets knee point at 55 Hz
<b>Volts Regulation</b>	< +/-1% (with 4% engine governing)		<b>Environment</b>	Operating Temperature -40 to +65 °C
<b>Build Up Voltage</b>	Residual volts at AVR terminal > 5 Vac		Storage Temperature	-40 to +80 °C
<b>Voltage Thermal Drift</b>	0.03% per °C change in AVR ambient		Relative Humidity	Max. 95%
			Vibration	3.3Gs @ 100 to 2K Hz

### Mechanical Specifications



### AVR Control Functions

<b>VOLT</b>	Voltage adjustment
<b>STAB</b>	Stability adjustment
<b>U/F</b>	Setting under frequency protection knee point

### Physical Specifications

<b>Dimension</b>	162.0 (L) x 112.0 (W) x 77.0 (H) mm
<b>Weight</b>	421 g +/-2%



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