

GAVR-20A

**Universal 15 Amp 1/2 Wave Self Excited
Dip-Switch Programmable Automatic
Voltage Regulator**

Features

- $<\pm 0.5\%$ Regulation
- 220/400 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 20 Amp Fuse



Specifications

Sensing Input Voltage	220/400VAC, 1 phase 2 wire	Voltage Build-up	Residual volts at AVR terminal $> 5VAC$
Power Input Voltage	180~240VAC, 1 phase 2 wire	External Volts Adjustment	7% with 1K Ω 1 watt trimmer
Output Voltage	Max. 90VDC @ 240VAC input	Soft Start Ramp Time	3sec.
Output Current	Continuous 6A Intermittent 12A for 10SEE.	Unit Power Dissipation	Max. 8Watt
Resistance	Min. 10 Ω Max. 100 Ω	EMI Suppression	Internal Electromagnetic Interference Filtering
		Thermal Drift	0.05% per $^{\circ}C$ change in AVR ambient
		Under Frequency Protection (Factory Settings)	60Hz system presets knee point at 57Hz 50Hz system presets knee point at 47Hz

Volts Regulation $<\pm 0.5\%$ (with 4% engine governing)

Environment

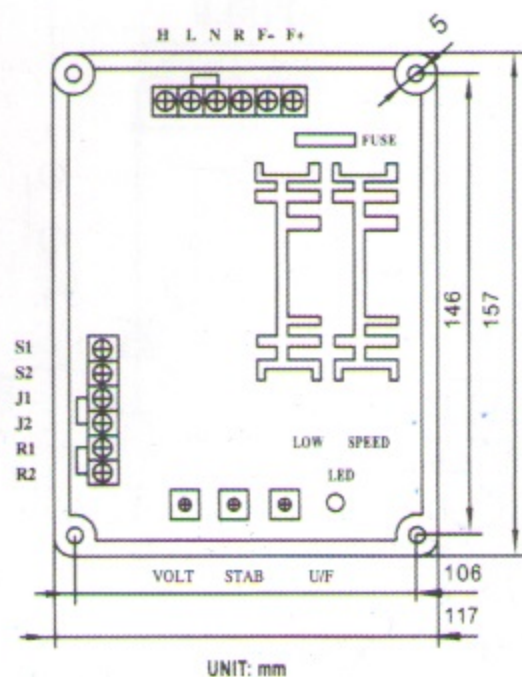
Vibration 3G @ 100~2K Hz

Operating Temperature -40~65 $^{\circ}C$

Relative Humidity $< 95\%$

Storage Temperature -40~85 $^{\circ}C$

Mechanical Specifications



AVR Controls

VOLTS Voltage Adjustment

STAB Stability Adjustment

U/F To Set the U/F * Knee Point

*U/F: Under Frequency Protection

Physical Specifications

Dimensions 157.0(L) 117.0(W) 70.0(H) mm

