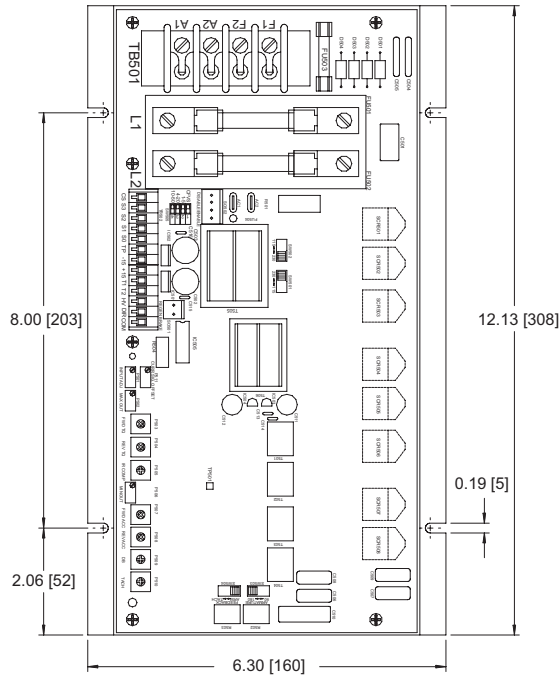


Drive	Input Voltage (VAC)	Output Voltage Range (VDC)	Max. Armature Current	HP Rating @ 90 VDC Output	HP Rating @ 180 VDC Output	Enclosure	Reversing	Isolation	Field Supply (VDC) ****	UL Listed	CSA	CE TUV
RG5500U	115 / 230	0-90 / 0-180	25	1 - 2 1/2	2 - 5	CHASSIS	YES	0 to ±10 VDC 4-20 mA	YES	YES	-	-

**** The field supply is rated at 3 amps. A 50/100 VDC field is available with 115 VAC input and a 100/200 VDC field is available with 230 VAC input.

RG5500U DIMENSIONS



Height: 2.90 [66]
All dimensions in inches [millimeters]

Wiring diagrams of chassis drives can be found on page 67.

FEATURES

- **Isolated inputs:** Accepts floating or grounded signals of -250 to +250 VDC, -25 to +25 VDC, -10 to +10 VDC or 4-20 mA. Burr-Brown isolation has .01% linearity.
- **4Q reversing:** Regenerative / 4 quadrant drives have the ability to perform quick and contactorless reversing on-the-fly.
- **Speed range, regulation, & form factor:** 1% of base speed regulation with a 50:1 speed range. 0.1% of base speed regulation with a 60:1 speed range with the addition of tachogenerator feedback. 1.37 form factor at maximum rated voltage.
- **User adjustable calibration pots:** Minimum Speed, Maximum Speed, Forward Current Limit, Reverse Current Limit, IR Compensation, Forward Acceleration, Reverse Acceleration, Deadband, Tachogenerator Feedback and Input Adjust.
- **Stopping Modes:** Inhibit (N.O.) to immediately break to a stop. RB1 and RB2 to decelerate to a stop.
- **Cage clamp terminal block:** Quick and easy wire terminations reduce installation time!
- **Additional features:** On-board fusing.

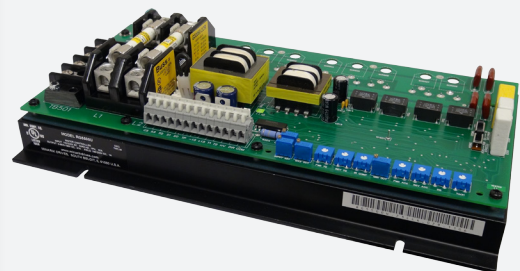
Minarik Drives' RG5500U drive is a full-wave, four quadrant regenerative drive which provides smooth motoring and braking torque for SCR brush-type DC motors. The RG5500U controls motors from 1 through 5 HP for single or bi-directional variable speed.

Applications with overhauling loads, rapid deceleration, basic positioning, and high duty cycle reversing or braking benefit from these versatile regenerative drives.

The RG5500U is excellent for leader/follower applications as well. It accepts almost any external signal input (see Isolated Inputs).

The RG5500U drive is conservatively rated at 25 Amps and is your answer for a full-featured regenerative drive requirement up to 5 HP. The robust 3 Amp field makes the drive a suitable replacement for older shunt wound motor drive systems.

See page 52 for an in-depth comparison of the different 4Q drives.



RG5500U