

RGA440 Series

4Q SCR NEMA 4X Adjustable Speed Drive for PMDC or Field Wound Brushed Motors

The RGA440 Series of 4Q drives is well suited for applications that require the control of overhauling loads, frequent reversing or breaking. Installation has been made simple with cage-clamp terminals for power and logic and with on-board fusing. In a NEMA 4X enclosure, the RGA440 Series can be used in a wide range of harsh environments. With the available field supply for shunt-wound motors, full assortment of adjustments that are standard on all our 4Q drives, the RGA440 Series is a flexible and well equipped member of our 4Q family of drives.



Model Number	Enclosure	Maximum Current (ADC)	Input Voltage (VAC)	Output Voltage (VDC)	Power Range		Field/Shunt Supply	Reversing	Isolation
					HP	kW			
RGA440-3	NEMA 4X	3	115	0 - 90	1/20 - 1/4	.04 - .20	50/100	Regenerative	No
			230	0 - 90	1/20 - 1/4	.04 - .20	100/200		
				0 - 180	1/10 - 1/2	.08 - .40			
RGA440-10	NEMA 4X	10	115	0 - 90	1/8 - 1	.10 - .75	50/100	Regenerative	No
			230	0 - 90	1/8 - 1	.10 - .75	100/200		
				0 - 180	1/4 - 2	.20 - .15			

SPECIFICATIONS

AC Line Voltage.....	115 / 230 VAC, ± 10%, 50/60 Hz, 1Ø
Maximum Field Current	1 amp
Accel / Decel Time Range.....	0.5 - 15 seconds
Form Factor	1.37 at base speed
Speed Range	
- Armature Feedback.....	50:1
- Tach Feedback	60:1
Load Regulation	
- Armature Feedback.....	1% of base speed or better
- Tach Feedback	0.1% of base speed or better
Input Impedance	32K Ω
Isolated Analog Signal Range.....	0 ± 10 VDC
Ambient Temperature Range.....	10°C - 40°C

TRIM POTS

Deadband	Speed
Forward Acceleration	Reverse Acceleration
Forward Current Limit	Reverse Current Limit
IR Compensation	Tach
Maximum Speed, Minimum	

FEATURES

- Stopping Modes:** Inhibit (N.O.) for braking to a stop. Enable for coasting to a stop. Can be used for rapid starting and stopping.
- On-board Fusing:** Drives include on-board fusing
- 4Q Reversing:** Regenerative / 4-Quadrant drives have the ability to perform quick and contactorless braking and/or reversing-on-the-fly
- Tach Feedback:** Accepts tachogenerator feedback for tighter speed regulation
- Case Lights:** Power

ACCESSORIES

- KTW-0001:** Inhibit plug with 18" leads

