

PRODUCT DESCRIPTION

GENERAL SPECIFICATIONS

Drive Power	120 V ac single-phase, 50 or 60 Hz 240 V ac single-phase, 50 or 60 Hz
Allowable Tolerance	+10% / -15%
Weight	80 lbs (36 kg), including yoke
Operating Conditions	-40° to 185°F (-40° to 85°C) 0 to 99% relative humidity Drives designed for hazardous locations are available.
Communication Interface*	HART protocol, local pushbutton/LED panel and RS-232 Serial commands.
Demand Input Signal Range (DCM)*	4–20 mA, 1–5 V dc
Minimum Step*	0.1% typical
Linearity*	±1% of span, max. independent linearity
Hysteresis*	0.25% of span typical
Demand Input Signal Characterization*	Linear (drive output shaft moves proportionally to the input signal). Square (drive output shaft moves proportionally to the square of the input signal). Twenty segment custom input signal characterization (through DCM serial interface only).
Position Feedback Signal*	4–20 mA or 1–5 V dc
Isolation*	Demand input and position Feedback signals are isolated from ground and the ac power line. Signal buffering provides 24 V dc isolation between the Demand and Feedback signals.
Action on Loss of Power	Output shaft stays in last position.
Action on Loss of Input Signal (Power on)*	Stays in place or runs to any preset position (configurable).
Excessive thrust Protection (Optional)*	If the output thrust of the drive exceeds 115% of the drive rating, the motor will shut off (feature can be enabled/disabled).
Stall Protection*	If the motor tries to run in one direction for more than 300 seconds (configurable from 30 to 300 seconds), the motor will shut off.
Over-travel Limit Switches	Two Form C (Retract and Extend) provide over-travel protection.
Auxiliary Switches (Field adjustable)	Two Form C and two Form A, rated for 1 A, 250 V ac.

*Applicable to Option 9 model only.

Customer Wiring	Terminals accommodate up to 12 AWG (3.31 mm ²).
Handswitch	Permits local electrical operation, independent of Demand Input signal.
Handwheel	Provides manual operation without electrical power.
Motor	Does not coast or overshoot and will not overheat, even under continuous modulation.
Gear Train	High efficiency, precision-cut, heat-treated alloy steel and ductile iron spur gears.
Mechanical Stops	One fixed and one adjustable mechanical stop prevent over-travel during automatic or manual operation.
Enclosure	Precision-machined aluminum alloy casting, painted with corrosion-resistant polyurethane paint, provides a rugged, dust-tight, weatherproof enclosure. Drives designed for hazardous locations are also available. NEMA 4X; IP66. *Internal water damage is not covered by warranty.
Mounting Orientation	Any orientation—no limitations.
Standards*	EN61800-5-1:2003 EN50281-1-1:1998+A1:2002 IEC1000-4-4:1995 IEC61000-4-5:2001 IEC61000-4-11:2001

*NOTE: For standards not specifically listed, please call Beck for more information at 215-968-4600.