



HRSN4A~4D Series On/Off & Proportional Electric Actuators

FOR BALL AND BUTTERFLY
VALVES UP TO 14"

KEY FEATURES

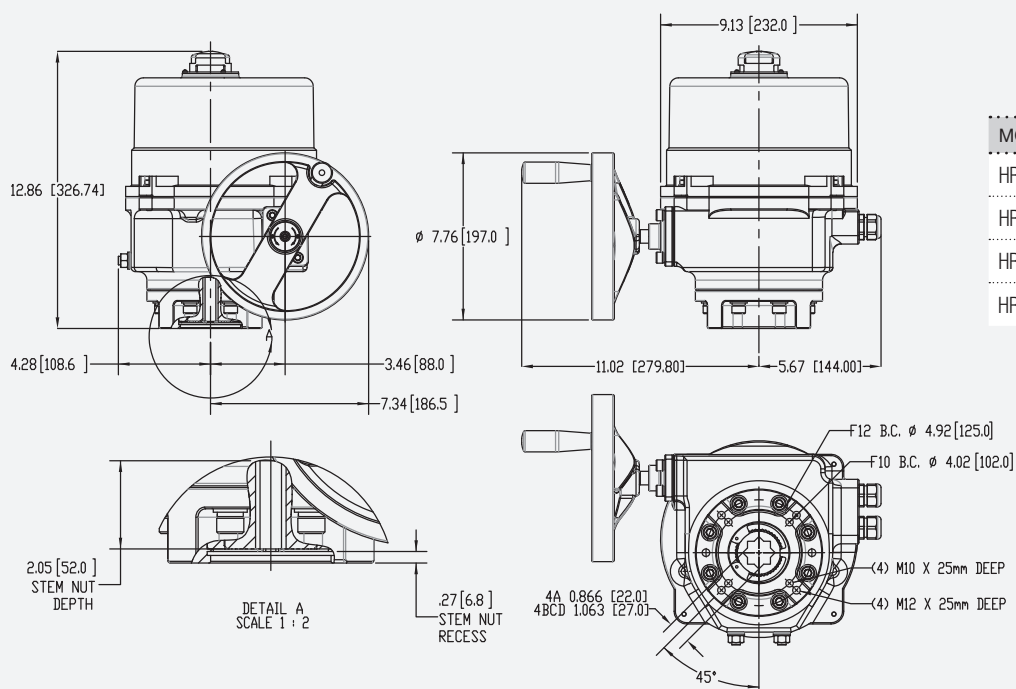
- Units are equipped with two (2) volt-free Form A Auxiliary switches
- ISO5211 compliant mounting with removable double square female drives and inserts
- 120VAC operation standard, with 24VAC/VDC, 230VAC and 3 Phase options available
- Raised visual position indicator
- NEMA 4X/IP67 compliant
- Two (2) 3/4" EMT ports for ease of field wiring

OPTIONS

- Local Control Stations
- IP68 Submersion
- Battery Backup
- Interchangeable ISO5211 Flange & Drives
- Torque Switches



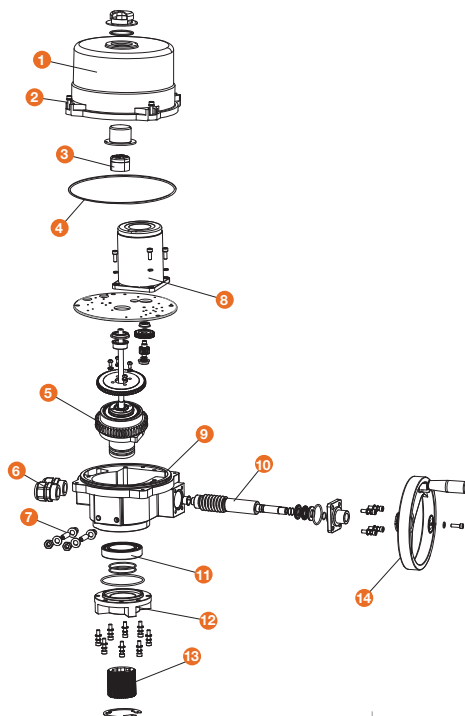
TECHNICAL INFORMATION



MODEL	COVER REMOVAL CLEARANCE	WEIGHT
	IN/MM	LBS/KG
HRSN4A	8 / 200	53.9 / 24.5
HRSN4B	8 / 200	53.9 / 24.5
HRSN4C	8 / 200	53.9 / 24.5
HRSN4D	8 / 200	53.9 / 24.5

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PARTS LIST

1. Cast Aluminum Cover
2. Captured Cover Screws
3. High Visibility Position Indicator
4. Cover O-Ring Seal
5. Epicyclic Transmission Set
6. EMT Glands
7. External Mechanical Stops
8. Drive Motor
9. Cast Aluminum Housing
10. Worm Override Shaft
11. Heavy Final Drive Bearing
12. ISO5211 Flange
13. Splined Drive Insert
14. Handwheel w/Collapsible Knob

ACTUATOR SPECIFICATIONS

		HRSN4A	HRSN4B	HRSN4C	HRSN4D
Supply	Torque Output (in-lb / Nm)	3540 / 400	5310 / 600	7080 / 800	8850 / 1000
	Current Draw (Start / Run / LRA)	11.4A / 9.4A / 24.4A	11.4A / 9.4A / 24.4A	11.4A / 9.4A / 24.4A	-
12VAC*	Speed (90°) DC-60Hz/50Hz, seconds	21 / 21	28 / 28	34 / 34	-
12VDC*	Motor - 12V DC Perm Magnet 2 Pole Brush	40W	40W	40W	-
On/Off / Proportional	Duty Cycle (IEC60034)		75% (S2-15 min) / 75% (S4-75%)		-
	Motor Protection, Temp / Class		All - 130°C / Class B		-
	Motor Starts, per hour, Max		All - 600		-
24VAC	Current Draw (Start / Run / LRA)	7.0A / 5.8A / 15A	7.0A / 5.8A / 15A	7.0A / 5.8A / 15A	10.5A / 7.8A / 22A
24VDC	Speed (90°) DC-60Hz/50Hz, seconds	21 / 21	28 / 28	34 / 34	34 / 34
	Motor - 24V DC Perm Magnet 2 Pole Brush	40W	40W	40W	90W
On/Off / Proportional	Duty Cycle (IEC60034)		75% (S2-15 min) / 75% (S4-75%)		-
	Motor Protection, Temp / Class		All - 130°C / Class B		-
	Motor Starts, per hour, Max		All - 600		-
120VAC	Current Draw (Start / Run / LRA)	3.0A / 1.8A / 3.5A	3.0A / 1.8A / 3.5A	3.0A / 1.8A / 3.5A	3.8A / 2.3A / 4.8A
	Speed (90°) 60Hz / 50Hz, seconds	24 / 29	33 / 39	39 / 47	39 / 47
	Motor - 120V Capacitor Run TENV	90W	90W	90W	120W
On/Off - Std Duty / On/Off - Ext Duty & Proportional	Duty Cycle (IEC60034)		25% (S2-15 min) / 75% (S4-75%)		-
	Motor Protection, Temp / Class		155°C / Class F / 180°C / Class H		-
	Motor Starts, per hour, Max		600 / 1200		-
230VAC	Current Draw (Start / Run / LRA)	1.7A / 0.9A / 1.9A	1.7A / 0.9A / 1.9A	1.7A / 0.9A / 1.9A	2.2A / 1.1A / 2.4A
	Speed (90°) 60Hz / 50Hz, seconds	24 / 29	33 / 39	39 / 47	39 / 47
	Motor - 230V Capacitor Run TENV	90W	90W	90W	120W
On/Off - Std Duty / On/Off - Ext Duty & Proportional	Duty Cycle (IEC60034)		25% (S2-15 min) / 75% (S4-75%)		-
	Motor Protection, Temp / Class		155°C / Class F / 180°C / Class H		-
	Motor Starts, per hour, Max		600 / 1200		-
All	Environmental Rating		NEMA 4/4X & IP67		-
	Electrical Entry (2)		3/4" EMT or Polyamide gland		-
	Control		On/Off, Proportional, 2 Pos RO, RC & 3 Position		-
	Auxiliary Switch - End of Travel		(2) Form A Volt-Free, Rated 10A @ 250vac		-
	Ambient Operating Range		-22°F to +158°F (-30°C to +70°C)		-
	Humidity Range		0-95% RH		-
	Altitude Limit		9850 ft / 3000 m		-



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