



HRSN7 Series ON/OFF/PROPORTIONAL ELECTRIC ACTUATORS

OVERVIEW

The HRSN7 Series are quarter-turn electric industrial service actuators delivering up to 177,000 lbf-in torque in voltages ranging from 220/3 up through 480/3 in on/off or proportional control modes. Other Key Features include:

- Units are equipped with two (2) volt-free Form A Auxiliary switches rated at up to 10A 250vac
- ISO5211 compliant mounting with double square female drive inserts
- Flat visual position indicator
- Clutch-free manual override handwheel standard
- NEMA 4X/IP67 compliant
- Two (2) 3/4" EMT entry ports with sealed cable glands

OPTIONS

- Torque Switches
- Motor Control Centers
- Local Control Stations
- IP68 Submersion
- Interchangeable ISO5211 Drive Inserts

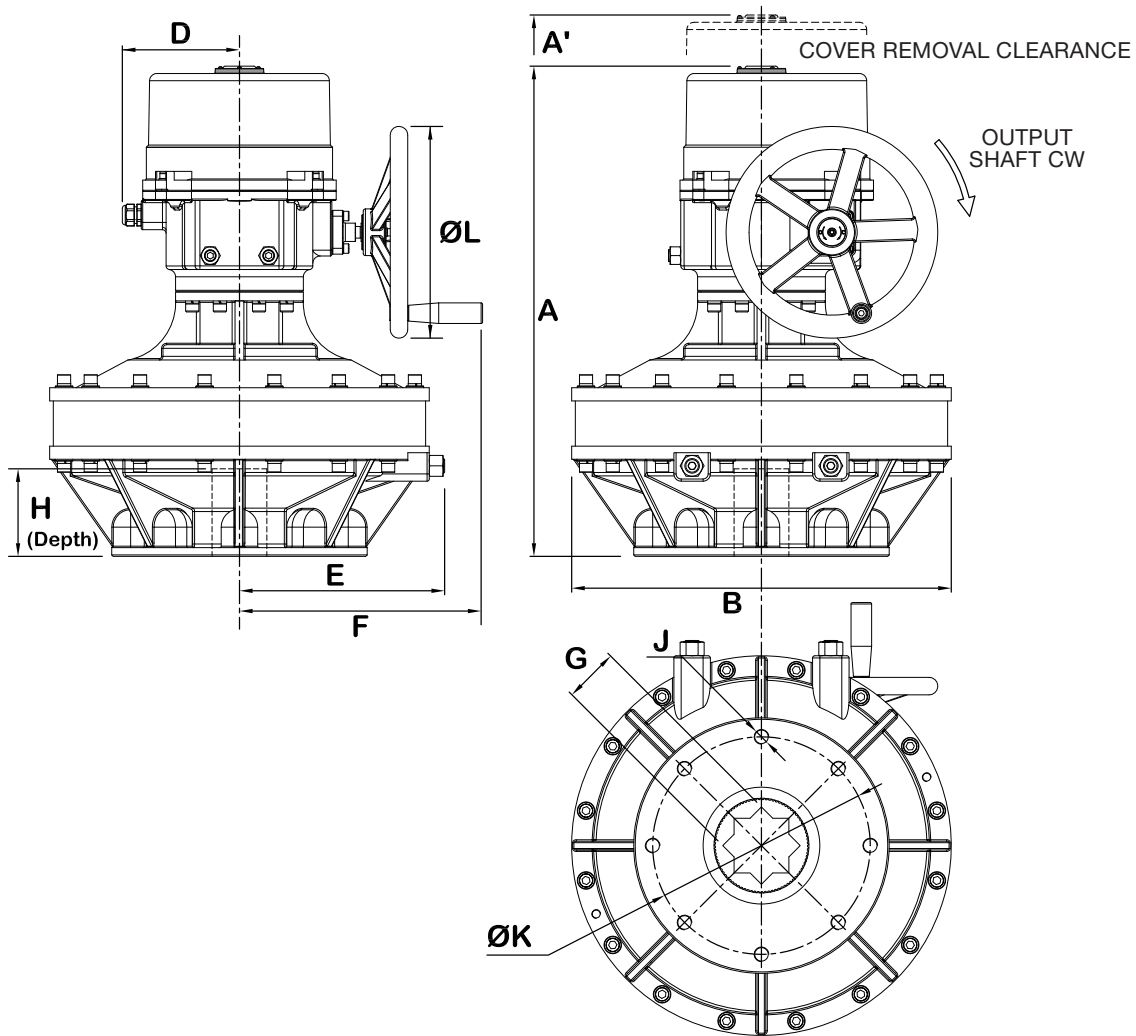
TECHNICAL INFORMATION

ACTUATOR SPECIFICATIONS		HRSN7A	HRSN7B	HRSN7C
Supply*	Torque Output (lbf-in / Nm)	115,700 / 13000	142,400 / 16000	177,000 / 20000
220/3ph	Current Draw (Start / Run / LRA)	6.82A / 3.5A / 8.89A	6.82A / 3.5A / 8.89A	6.82A / 3.5A / 8.89A
	Motor - 220/3 Polyphase TENV	400W / 135°C / Class F	400W / 135°C / Class F	400W / 135°C / Class F
315/3ph	Current Draw (Start / Run / LRA)	4.75A / 2.4A / 6.20A	4.75A / 2.4A / 6.20A	4.75A / 2.4A / 6.20A
	Motor - 315/3 Polyphase TENV	400W / 135°C / Class F	400W / 135°C / Class F	400W / 135°C / Class F
380/3ph	Current Draw (Start / Run / LRA)	3.95A / 2.0A / 5.0A	3.95A / 2.0A / 5.0A	3.95A / 2.0A / 5.0A
	Motor - 380/3 Polyphase TENV	400W / 135°C / Class F	400W / 135°C / Class F	400W / 135°C / Class F
440/3ph	Current Draw (Start / Run / LRA)	3.2A / 1.7A / 4.32A	3.2A / 1.7A / 4.32A	3.2A / 1.7A / 4.32A
	Motor - 440/3 Polyphase TENV	400W / 135°C / Class F	400W / 135°C / Class F	400W / 135°C / Class F
480/3ph	Current Draw (Start / Run / LRA)	2.2A / 1.6A / 3.96A	2.2A / 1.6A / 3.96A	2.2A / 1.6A / 3.96A
	Motor - 480/3 Polyphase TENV	400W / 135°C / Class F	400W / 135°C / Class F	400W / 135°C / Class F
All	Speed (90°) 60Hz / 50Hz	91 sec / 109 sec	108 sec / 129 sec	130 sec / 155 sec
	Motor Starts		1200 per hour	
	Duty Cycle (on/off / mod)		25% / 50%	
	Control		on/off or proportional	
	Electrical Entry (2)		3/4" EMT or Nylon Gland	
	Ambient Operating Range		-22°F to +158°F (-30°C to +70°C)	
	Humidity Range		0-95% RH	
	Altitude Limit		9850 ft / 3000 m	

*HRSN7 not available below 220/3 supply.

HRSN7 Series Electric Actuators

TECHNICAL INFORMATION, CONTINUED



DIMENSIONS

MODEL	A in/mm	A' in/mm	B in/mm	C in/mm	D in/mm	E in/mm	F in/mm	G* in/mm	H in/mm	J* in/mm	K* in/mm	L	WEIGHT lbs/kg	
HRSN7A	26.46/672	9.83/250	20.47/520	-	6.34/161	11.06/281	13.03/331	2.953/75	4.72/120	(8) M20 - 2.5 X 35mm D	F30 11.73/298	11.5/ 290	48 turns 90°	480/218
HRSN7B	26.46/672	9.83/250	20.47/520	-	6.34/161	11.06/281	13.03/331	2.953/75	4.72/120	(8) M20 - 2.5 X 35mm D	F30 11.73/298	11.5/ 290	48 turns 90°	480/218
HRSN7C	26.46/672	9.83/250	20.47/520	-	6.34/161	11.06/281	13.03/331	2.953/75	4.72/120	(8) M20 - 2.5 X 35mm D	F30 11.73/298	11.5/ 290	48 turns 90°	480/218

*Consult Hayward Flow Control for optional ISO patterns



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Contact Hayward Flow Control with questions: **USA:** 1.888.429.4635 • Fax: 1.888.778.8410 • One Hayward Industrial Drive • Clemmons, NC 27012 USA
Canada: 1.888.238.7665 • Fax: 1.905.829.3636 • 2880 Plymouth Drive • Oakville, ON L6H 5R4 Canada • Email: hflowcanada@hayward.com
Visit us at: www.haywardflowcontrol.com • Email: hflow@hayward.com