



Xtreme Duty

4" SINGLE AND THREE PHASE MOTORS, 2-10 HP, 230 AND 460 VOLT



CentriPro

a xylem brand

FEATURES

Silicon Carbide Mechanical Seal to protect against sand and abrasive damage

NEMA Dimension - 304 SS Cast Top End Bell

Kingsbury Type 1500 # Thrust Bearing

17-4 PH (Precipitation Hardened) Stainless Steel Shaft Extension

Removable 180" Motor Lead

Pressure equalizing diaphragm and housing with felt filter for coal bed and abrasive installations

Lightning/surge protection built-in on 230 volt motors

Water lubricated with filter check valve to maintain fluid fill

Overload protection is required single-phase control box

Class 10 quick-trip overload protection must be provided in 3 phase starter

APPLICATIONS

Coal bed methane wells

Sand laden wells

SPECIFICATIONS

- **Temperature Rating:** Rated for continuous duty in water of 86° F (30° C) maximum.
- **Cooling:** Proper motor cooling requires a water velocity past the motor of .25'/sec which translates into 1.2 GPM in a 4" casing, 7 GPM in a 5" casing and 13 GPM in a 6" casing.
- **Rotation:** CCW, counterclockwise as you face the top or shaft end of the motor.

AGENCY LISTINGS



CentriPro Motor - tested to UL778 and CAN 22.2 by CSA International (Canadian Standards Association)

COMPONENT MATERIALS OF CONSTRUCTION

Part	Material
Shaft Extension	17-4 PH Stainless Steel
Sand Slinger/Slinger Seat	NBR/ Delrin
Top End Bell - NEMA Mounting	304 SS Casting
Upper Bearing Housing	304 Stainless Steel
Motor Shell	304 Stainless Steel
Mechanical Seal Cover	Sintered Bronze
Mechanical Seal	Silicon Carbide/Silicon Carbide
Lead Wire	XLPE 14 AWG - 180"
Lead Potting	Epoxy
Lead Connector	18-8 Stainless Steel
Fasteners	18-8 Stainless Steel
Radial Bearings - Upper & Lower	Carbon Sleeve Bearing
Thrust Bearing Housing	304 Stainless Steel Casting
Thrust Bearing	1500# Kingsbury Type
Diaphragm Housing	Epoxy Coated Cast Iron
Diaphragm Filter	Felt
Diaphragm Filter Cover	304 Stainless Steel
Lightning Protection	On 230 Volt only

XTREME DUTY, 4" SINGLE-PHASE CENTRIPRO MOTORS - ELECTRICAL DATA

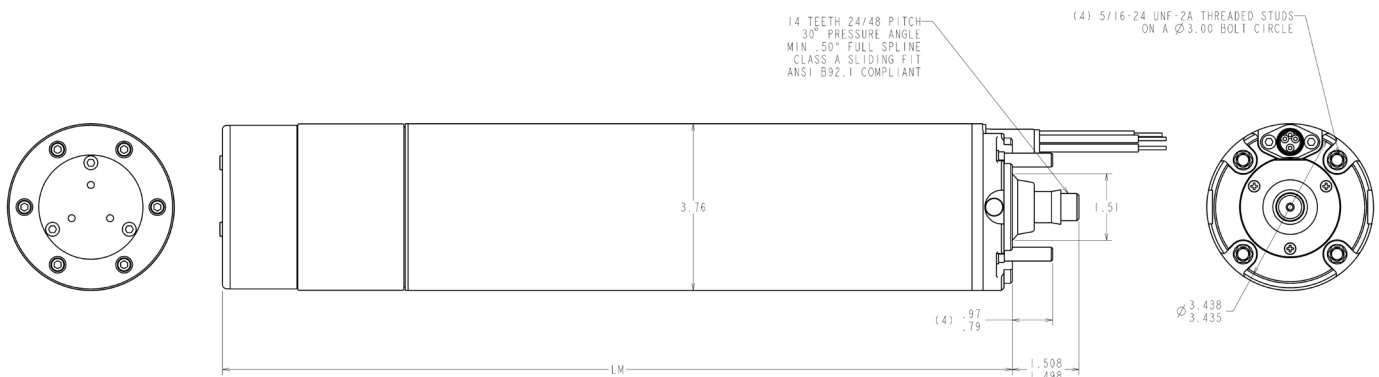
Type	CentriPro Model	HP	KW	Volts	Full Load		Service Factor		Locked Rotor Amps	Winding Resistance		KVA Code	Thrust Rating
					Amps	Watts	Amps	Watts		Main (B-Y)	Start (R-Y)		
3 Wire CSCR	M20412XD	2	1.5	230	10.4/9.7/2.7	2200	13.0/12.5/2.7	2700	49	1.6-2.2	10.8-12.0	G	1500
	M30412XD	3	2.2		14.3/12.0/5.7	3170	16.5/13.9/5.6	3620	76	1.1-1.4	2.0-2.5	G	
	M50412XD	5	3.7		24/19.1/10.2	5300	27/22/10	6030	101	.62-.76	1.36-1.66	E	

XTREME DUTY, 4" THREE-PHASE CENTRIPRO MOTORS - ELECTRICAL DATA

Type	CentriPro Model	HP	KW	Volts	SF	Full Load		Service Factor		Locked Rotor Amps	Winding Resistance L - L	KVA Code	Thrust Rating
						Amps	Watts	Amps	Watts				
3 Phase	M30432XD	3	2.2	230	1.15	9.2	2880	10.1	3280	59	1.3-1.7	J	1500
	M50432XD	5	3.7		1.15	15.7	4925	17.5	5650	93	.85-1.25		
	M75432XD	7.5	5.5		1.15	24	7480	26.4	8570	140	.55-.85		
	M30434XD	3	2.2	460	1.15	4.8	2920	5.3	3320	30	5.9-6.5	L	
	M50434XD	5	3.7		1.15	7.6	4810	8.5	5530	48	3.58-4.00		
	M75434XD	7.5	5.5		1.15	12.2	7400	13.5	8560	87	1.9-2.3		
	M100434XD	10	7.5		1.15	15.6	9600	17.2	11000	110	1.8 - 2.2		

DIMENSIONS AND WEIGHTS

HP	Phase	Volts	Length		Weight	
			in.	mm	lb.	kg.
2	1	230	19.3	490	47	21.3
3			22.3	566	53	24.0
5			28.6	726	74	33.6
3	3	230 & 460	19.3	490	47	21.3
5			22.6	574	59	26.8
7.5			28.6	726	74	33.6
10	3	460	31.6	803	80	36.3



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- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,500 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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