

SPECIAL OPTIONS

- Complete Body SS 304 Construction Special
Construction Option for Corrosive Application.

FEATURES

- Suitable for 100 mm bore well.
- Stainless Steel High Strength Shaft.
- Available in Capsule Couple and Spline Couple.
- Highly Lubricant Oil Filled Motor
- Stainless Steel High Strength Shaft
- Enameled Winding Wire
- Anti-Friction Ball Bearings With Long Life
- Pressure Equalizing Spring Loaded Diaphragm
- Suitable To NEMA Dimensions
- Available In IP68 With Mechanical Seal
- CED Coated Motor Assembly

TECHNICAL DETAILS

Nominal Diameter	4" Motor (100 mm)	
Max. Outer Diameter	97 mm	
Power Range	1Ph	0.37 kW to 1.5 kW Single Phase
Speed	2880 RPM	
Voltage range	1Ph	Single Phase 180-230 V, 50 Hz, A.C Supply
Class of Insulation	F	
Degree of protection	IP 68	
Direction of rotation	Anti-Clock wise	
Type of duty	S1 (Continues)	
Minimum cooling flow	0.15 m/sec	
Max. Liquid Temp.	33° C	
Starts per hour	20 Times	
Method of starting	Single Phase - Capacitor Run	
Cable lead out type	3 Core Flat Cable	

TECHNICAL DATA

4" 1Phase 230V, 50Hz OIL Filled Motor											
kW	HP	Full load Rated Ampere	Starting Current (Amp.)	Full load Ampere	Efficiency %	Power Factor	Max. Down thrust Load (N)	Cable Size (sq. mm)	Cable Length (Meter)	Height (mm)	Net Weight (kg)
0.37	0.5	5	9.12	4.4	43	0.63	3000	1.5	2.75	396	10
0.55	0.75	6.2	11.80	5.9	45	0.64	3000	1.5	2.75	416	10.8
0.75	1	7.5	12.40	6.2	50	0.64	3000	2.5	2.75	426	12.9
1.1	1.5	9.5	16.70	8.57	53	0.65	3000	2.5	2.75	466	14.4
1.5	2	12.5	23.00	12	56	0.66	3000	2.5	2.75	551	16.75

4"



FOUNTAIN



INDUSTRIAL



LIVESTOCK
WATERING



IRRIGATION
SYSTEM



AGRICULTURE



DOMESTIC
WATER SUPPLY

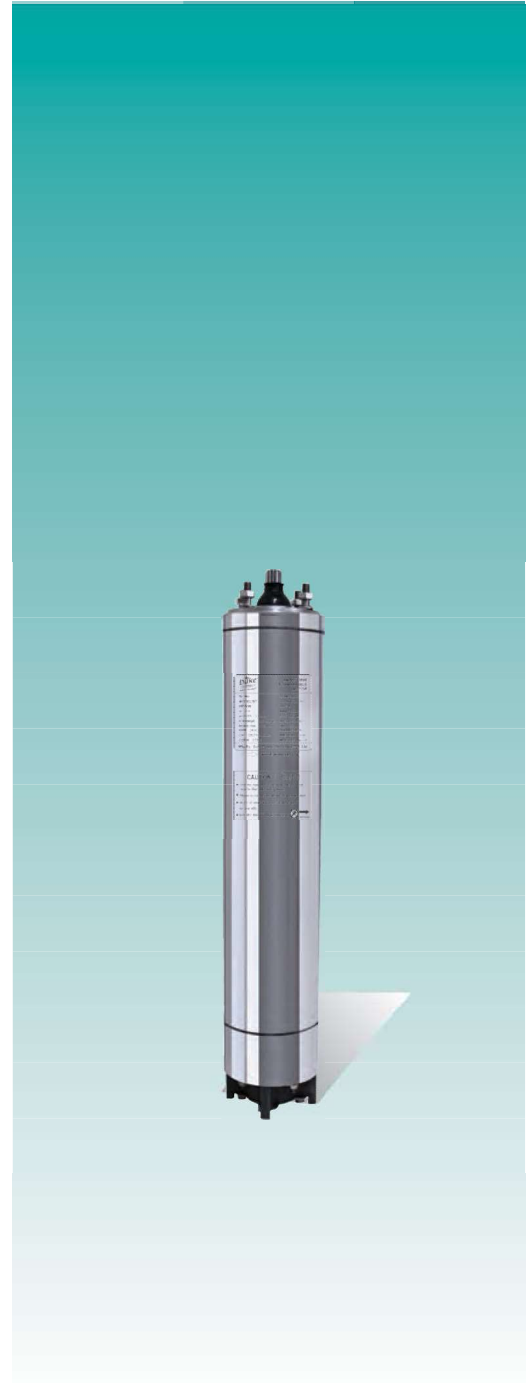
APPLICATION

CPSF4

SMART DC MOTOR

COSMO DWC LLC

PMSM (DC) SERIES



SILENT FEATURES

- Available From 1.0, 2.0, 3.0, 5.0 & 7.5 HP in Three Phase DC Motor.
- 4" NEMA standards.

SPECIAL OPTIONS

- Complete Body SS 304 Construction Special
Construction Option for Corrosive Application.

FEATURES

- Suitable for 100 mm bore well.
- Up to 94% Motor Efficiency
- 20 to 30% Higher Efficiency than Star Rated Pump sets.
- Easy Rewindable & Repairable Water Filled Submersible Motor.
- Smooth Starting Using VFD Controller and can be Used Low Voltage Area.
- Virtually NO Maintenance Cost.
- Premium Material SS/CI Robust Construction
- Nema Standards,
- Suitable for 110 to 415 Voltages for 3-phase.
- Frequency: Upto 110 Hz
- Speed: 3300 RPM

TECHNICAL DATA

4" 3Phase Water Filled PMSM (DC) Motor								
kW	HP	Voltage	Full load Rated Ampere	Full load Ampere	Efficiency %	Power Factor	Height (mm)	Net Weight (kg)
0.75	1	110V	11.3	8.63	75	0.8	401	10
1.5	2	160V	12.4	7.20	78	0.75	421	14
2.2	3	230V	12.4	8.57	90	0.8	471	18
3.7	5	380V	11.8	9.20	91	0.71	536	20