



**COSMO**  
**SUBMERSIBLE**  
**MOTOR**

CATALOGUE  
**50Hz**

# 8



FOUNTAIN



INDUSTRIAL



LIVESTOCK  
WATERING



IRRIGATION  
SYSTEM



AGRICULTURE



DOMESTIC  
WATER SUPPLY

APPLICATION

## CPSF8

WATER FILLED MOTOR

COSMO DWC LLC

## WATER FILLED TURBO SERIES



### SILENT FEATURES

- Easy to Dismantle and repair
- Available From 10.0 HP to 85.0 HP in Three Phase.

## SPECIAL OPTIONS

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

## FEATURES

- Suitable for 200 mm bore well.
- Stainless Steel high strength shaft.
- High Efficiency electrical design (Low Operation cost, cool running winding)
- Motor filling with water with Anti-corrosive liquid
- Specially designed thrust bearing to withstand high axial thrust loads.
- Winding connections with solid solder joints.
- Special magnet provision in motor base and newly designed self-spring action diaphragms.
- Epoxy powder coating on rotor.
- Graded cast iron housing with precisely fitted bush and special bearing counter provision for horizontal application of pump set.
- CED Coated

## TECHNICAL DETAILS

Nominal Diameter		8" Motor (200 mm)
Max. Outer Diameter		188 mm
Power Range	3Ph	7.5 kW to 63.0 kW Three Phase
Speed		2880 RPM
Voltage Range	3Ph	Three Phase 380-415 V, 50 Hz, A.C Supply
Class of Insulation		F
Degree of protection		IP 58
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		Three Phase – 7.5 kW to 63.0 kW (DOL & S.D.)
Cable lead out type		3 Core Flat Cable

## TECHNICAL DATA

8" 3Phase 380-415V, 50Hz Water 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)
7.5	10	19.5	62.99	17	76	0.75	45500	2.5	2.75+2.75	942	96
9.3	12.5	25	86.61	24	77	0.77	45500	2.5	2.75+2.75	972	100
11	15	29	93.02	26	78	0.78	45500	4.0	2.75+2.75	1002	106
13	17.5	34	102.86	29	79	0.80	45500	4.0	2.75+2.75	1042	111
15	20	39	113.50	32	80	0.80	45500	4.0	2.75+2.75	1072	118
18.5	25	48	133.64	38	80	0.81	45500	6.0	2.75+2.75	1122	127
22	30	57	160.42	46	80	0.81	45500	6.0	2.75+2.75	1156.5	137
26	35	66	186.75	54	81	0.81	45500	6.0	2.75+2.75	1186.5	147
30	40	76	212.64	62	81	0.82	45500	8.0	2.75+2.75	1211.5	160
33.5	45	82	243.51	71	82	0.83	45500	8.0	3.5+3.5	1281.5	158
37	50	85	261.59	76.9	82	0.84	45500	10.0	3.5+3.5	1321.5	166
45	60	100	307.03	91	82	0.84	45500	10.0	3.5+3.5	1436.5	188
55	75	120	361.45	108	83	0.85	45500	16.0	4.0+4.0	1516.5	203
63	85	135	415.00	125	83	0.85	45500	16.0	4.0+4.0	1576.5	213