

SUBMERSIBLE MOTOR

7" REWINDABLE MOTORS

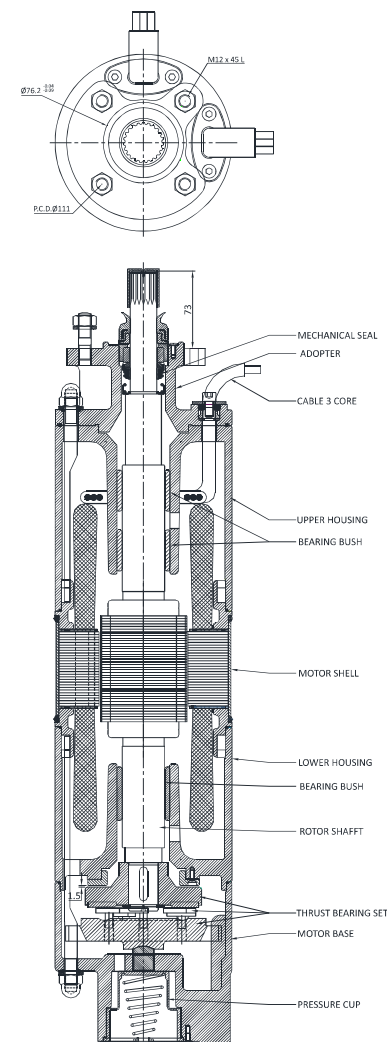
TECHNICAL SPECIFICATIONS:

- 7" Water Lubricated Submersible Motors are rewindable.
- Coupling dimensions as per NEMA standard.
- Winding wire : Polywrapped / PVC winding available on specific demand
- Degree of protection : Ip68.
- Max water temperature : 35°C.
- Starts per hour : 20 time (Max.).
- Allowable voltage variation : +6% - 10%.
- Motor shaft of Stainless steel.
- Stator shell of Stainless steel.
- Max depth immersion : 350 M.
- Mounting : vertical / horizontal.
- Motor Cable length : 3 Meter / 3 Core with separate earth cable & 4 Core.
- Cooling Flow : V:0.2 M/S.
- Coolant : Clear Water.

VERSIONS:

Three Phase : 37 kW To 52 kW / 380-415 Volt /50 Hz
Motor With Other Voltage and frequency ratings are available on specific Demand.

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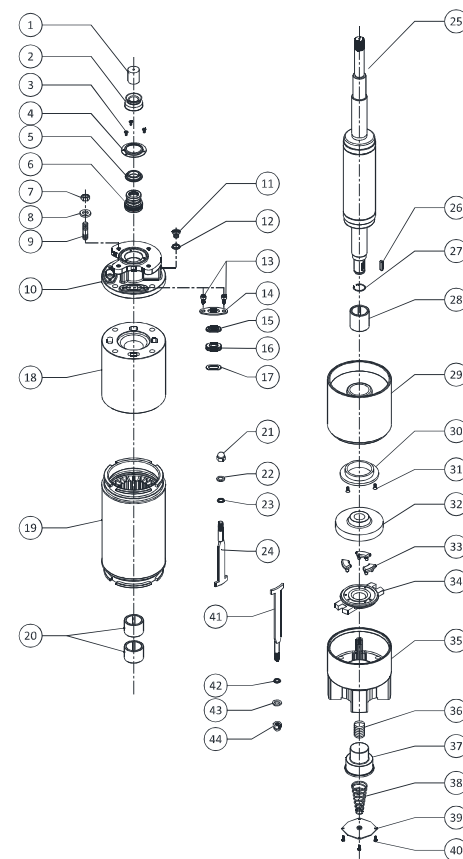
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Performance Data of 7" Rewindable Aqualite Submersible Motors / 50 Hz

PN		Thrust Load [N]	UN [V]	nN [min-1]	IN [A]	IA [A]	η (Eff.) [%] at % load			cos φ (PF) at % load			TN [Nm]	TA [Nm]
[H.P.]	[kW]						50	75	100	50	75	100		
50	37		380	2875	77	393	84.0	84.5	84.2	0.78	0.81	0.81	128	218
		45000	400	2880	76	426	84.6	85.3	85.0	0.75	0.81	0.80	128	218
			415	2885	75	450	84.5	85.2	85.0	0.72	0.80	0.80	127	201
60	45		380	2878	94	489	85.4	86.5	85.2	0.80	0.85	0.88	155	263
		45000	400	2880	92	525	85.2	86.2	86.0	0.75	0.82	0.85	155	263
			415	2890	91	555	84.4	86.5	86.1	0.72	0.82	0.82	154	246
75	55		380	2875	112	571	84.8	85	85	0.80	0.82	0.85	190	323
		45000	400	2885	111	644	84.6	85.1	85	0.75	0.82	0.85	189	321
			415	2890	110	669	84.5	85.7	85.5	0.72	0.82	0.82	189	302

- PN - Rated Output
- UN - Rated Voltage
- n N - RPM
- I N - Full Load Current
- I A - Starting Current
- h - Motor Efficiency
- cos ϕ - Power Factor
- TN - Full Load Torque
- TA - Starting Torque
- F [N] - Axial Thrust Load

7" Motor assembly (50, 60, 70 HP) Exploded view



NO.	PARTS NAME
1.	ROTOR CAP
2.	SAND GUARD
3.	UPPER CAP SCREW
4.	UPPER CAP
5.	UPPER COLLAR
6.	MECHANICAL SEAL
7.	M12 NUT
8.	SPRING WASHER
9.	M12 STUD
10.	ADOPTER
11.	DRAIN PLUG
12.	DRAIN PLUG O RING
13.	M8 ALLEN BOLT
14.	CABLE CLIP
15.	PLASTIC GROMMET WASHER
16.	CABLE GROMMET
17.	SS GROMMET WASHER
18.	UPPER HOUSING
19.	STATOR ASSEMBLY
20.	CARBON BUSH
21.	M12 DOME NUT
22.	WASHER
23.	O RING
24.	T BOLT
25.	ROTOR
26.	KEY
27.	CIRCLIP
28.	CARBON BUSH
29.	LOWER HOUSING
30.	CT BEARING
31.	SCREW
32.	CARBON PLATE
33.	SEGMENT
34.	BEARING PLATE
35.	MOTOR BASE
36.	ROCKER
37.	PRESSURE CUP
38.	SPRING
39.	MOTOR BASE PLATE
40.	SCREW
41.	T BOLT
42.	O RING
43.	WASHER
44.	DOME NUT