

SUBMERSIBLE MOTOR

10" REWINDABLE MOTORS

TECHNICAL SPECIFICATIONS:

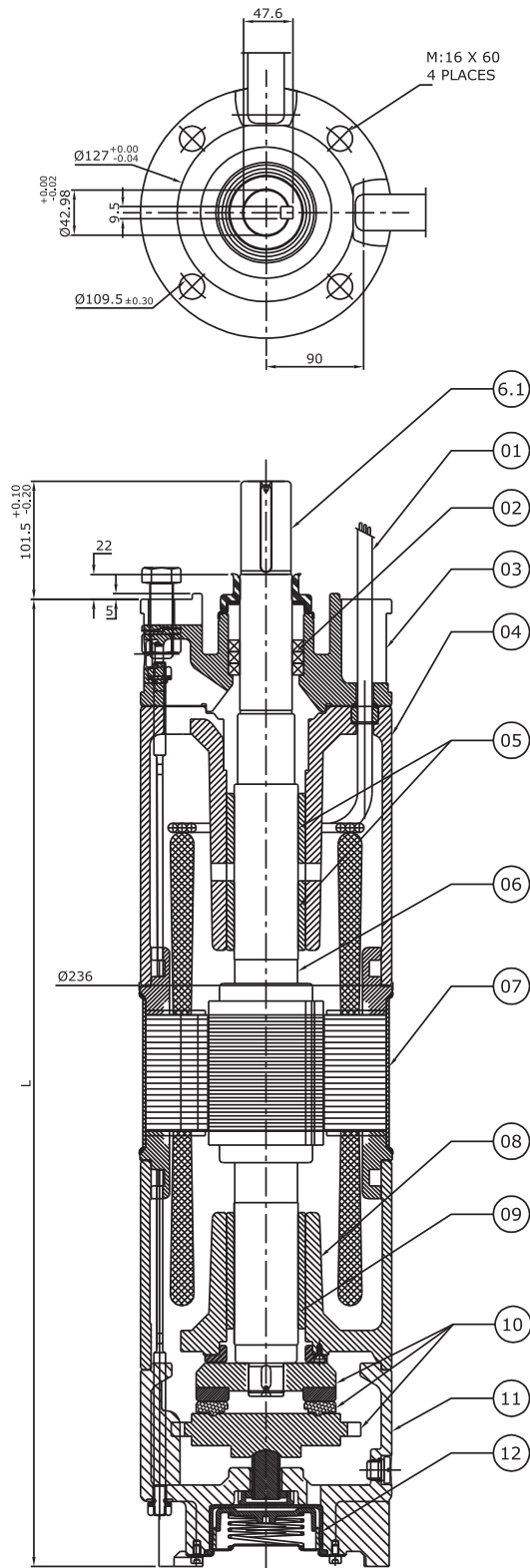
- 10" Water Lubricated Submersible Motors are rewindable.
- Coupling dimensions: 8" NEMA standard.
- Winding wire: PVC winding
- Degree of protection : IP68.
- Max water temperature : 35°C.
- Starts per hour : 20 time (Max.).
- Allowable voltage variation : +6% - 10%.
- Motor shaft of Stainless steel.
- Stator shell of Stainless steel.
- Max depth immersion : 350 M.
- Mounting : vertical
- Motor Cable length : 3 Meter / 3 Core with separate earth cable.
- Cooling Flow : V:0.2 M/S.
- Coolant : Clear Water.

VERSIONS:

Three Phase : 110 kw to 150 kw / 380-415 Volt / 50 Hz

Motor With Other Voltage and frequency ratings are available on specific Demand.

10" REWINDABLE MOTORS



SR NO.	PARTS NAME	MATERIAL
01	CABLE 3 CORE /4 CORE	EPR/P.V.C
02	OIL SEAL	N.B.R
03	ADAPTOR	CAST IRON (FG-200)
04	UPPER HOUSING	CAST IRON (FG-200)
05	BEARING BUSH	LTB-4 2% Ni.
06	ROTOR SHAFT	SS 420
07	MOTOR SHELL	STAINLESS STEEL
08	LOWER HOUSING	CAST IRON (FG-200)
09	BEARING BUSH	LTB-4 2% Ni.
10	THRUST BEARING SET	CARBON / S.S.420
11	MOTOR BASE	CAST IRON (FG-200)
12	PRESSURE CUP	N.B.R
13	ALL HARDWARE	S.S.304

P_N		PW L [mm] Cast Iron	MOTOR WEIGHT [kg]	MOTOR WEIGHT (incl.pkg) [kg]
[kW]	[HP]		Cast Iron	Cast Iron
110.0	150.0	1636.0	306.0	366.0
150.0	200.0	1911.0	357.0	427.0

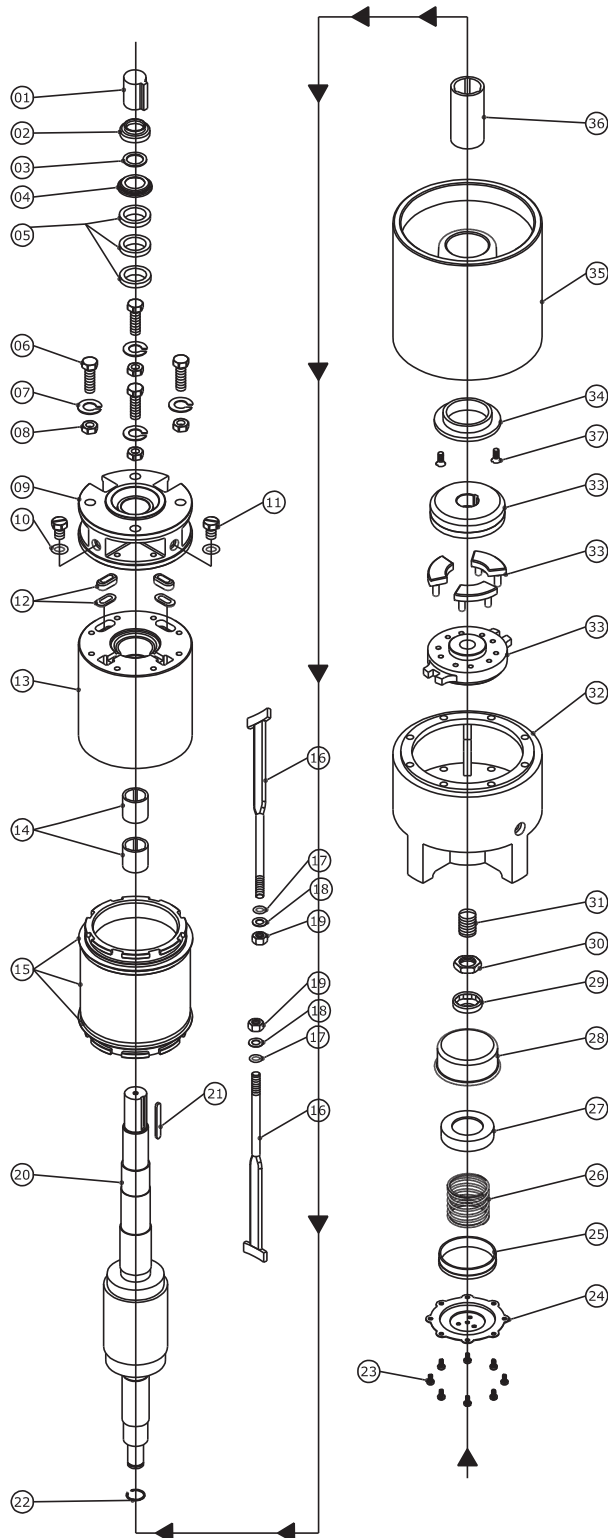
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Technical Data of 10" Motors / 50 Hz

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		
150	110	60 000	380	2905	236	1096	85	86	85	0.73	0.82	0.86	360	419
			400	2915	231	1157	85	87	85	0.65	0.77	0.83	359	468
			415	2920	232	1205	83	84	86	0.60	0.71	0.80	359	508
200	150	60 000	380	2910	306	1501	88	88	87	0.80	0.84	0.87	491	569
			400	2915	297	1589	85	87	86	0.75	0.82	0.87	490	636
			415	2930	295	1654	87	88	88	0.70	0.78	0.84	489	690

- PN - Rated Output
- UN - Rated Voltage
- nN - RPM
- IN - Full Load Current
- IA - Starting Current
- η - Motor Efficiency
- $\cos\phi$ - Power Factor
- TN - Full Load Torque
- TA - Starting Torque
- F[N] - Axial Thrust Load

Exploded Drawing of 10" Motor



Sr.No.	PARTS NAME
01	ROTOR CAP
02	SAND GUARD
03	TEFLON WASHER
04	UPPER CAP
05	OIL SEAL
06	HEX BOLT
07	SPRING WASHER
08	HEX NUT
09	ADOPTOR
10	DRAIN PLUG 'O' RING
11	DRAIN PLUG
12	GROMMET & WASHER
13	UPPER HOUSING
14	BEARING BUSH
15	STATOR BODY FINISH FLANGE (USE FOR UPPER & LOWER SIDE)
16	T-BOLT(UPPER SIDE) T-BOLT(LOWER SIDE)
17	T-BOLT 'O'RING
18	T-BOLT WASHER
19	NYLOCK NUT
20	ROTOR FINISH
21	CIR CLIP(USE FOR ROTOR)
22	KEY (USE FOR COUPLING SIDE)
23	SLOTTED ROUNDHEAD SCREW
24	MOTOR BASE PLATE
25	SPRING JACKET-1
26	SPRING
27	SPRING JACKET-2
28	PRESSUR CUP
29	ROCKER NUT CAP
30	ROCKER NUT
31	ROCKER
32	MOTOR BASE
33	CARBON BEARING SET
34	C.T. BEARING
35	LOWER HOUSING
36	BEARING BUSH
36	C.S.K SCREW (USE FOR C.T. BEARING)