

Submersible Rewindable Motor

10" WF Standard

Quality for your borewell :



WF Standard Motors are water filled motors which can be easy to rewind and repair. They are built to provide maintenance-free, long life submersible pump operation.

Product features :

- Easily rewindable (wet wound) induction motor with PP insulated windings.
- Water lubricated radial and axial thrust bearing.
- Corrosion resistant Stainless Steel Stator jacket.
- Non-contaminating water filling.
- High efficiency electrical design, lower operating cost.
- Tropicalized design. (Lower winding temperature.)
- Pressure compensation diaphragm.
- Continuous duty.

Specifications :

- Degree of protection : IP 68.
- Insulation Class : B.
- Ambient temp. : 45°C.
- Minimum Cooling flow along the motor :
30cm/sec. (55.0 KW - 93.0 KW)
50cm/sec. (110.0 KW - 185.0 KW)
- Water pH : 6.5 - 8.0.
- Maximum no. starts per hour : 15
- Maximum submerged depth : 350 mts.
- Rotation : CCW and CW.
- Ratings : 55.0 KW - 185.0 KW
- Motor protection : Select thermal overload protection with trip time < 10 sec. at 5 x In.
- Standard motor cable : Suitable for operation in drinking water.

YΔ	HP	CABLE Qty.	Ø [mm ²]	H x B [mm]	Length [m]
	75 to 150	1	4 x 25	14.7 x 45.1	5.0
		1	3 x 25	14.7 x 35.5	5.0
	180 to 250	1	4 x 35	16.2 x 50.1	5.0
		1	3 x 35	16.2 x 39.5	5.0

On Request:

- Built-in PT 100 temperature sensor.
- Special Voltages.
- Double cable for Star - Delta operation.



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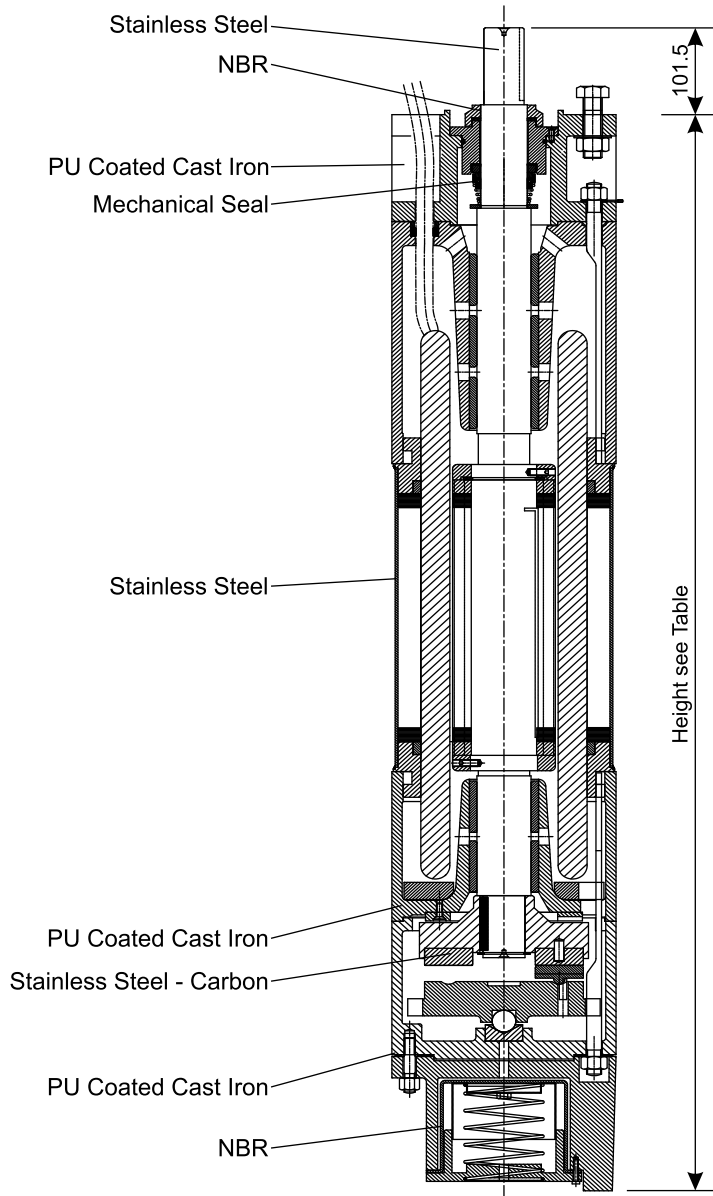
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Motors that are top class in Performance & Reliability



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H.P.	KW	WEIGHT (Kg)	HEIGHT (mm)	GROSS WEIGHT (Kg)	GROSS VOLUME (m ³)
75.0	55.0	252.0	1352	309	0.2942
90.0	66.0	270.0	1422	330	0.3035
100.0	75.0	295.0	1522	361	0.3259
125.0	93.0	312.0	1572	378	0.3259
150.0	110.0	327.0	1622	397	0.3407
180.0	135.0	344.0	1682	419	0.3594
200.0	150.0	358.0	1722	433	0.3594
225.0	165.0	373.0	1772	451	0.3743
250.0	185.0	387.0	1822	472	0.3966

Submersible Rewindable Motor

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10" Submersible Rewindable Motor Performance Data 50 Hz

10 Inch Water Filled Motor

TYPE	P _n		Thrust Load (N)	U _n (Volts)	I _n	I _{start} /I _n	RPM	η (Eff.) (%) AT % LOAD			COS φ (P.F) AT % LOAD			T _N (Nm)
	H.P.	KW						(Amps)		50	75	100	50	
L15075-D	75.0	55.0	45000	380	119.0	4.55	2890	77.0	81.0	82.6	0.67	0.76	0.82	181.84
				400	115.0	4.60	2900	79.2	82.2	83.0	0.68	0.78	0.83	181.21
				415	113.0	4.65	2900	79.2	82.0	83.0	0.67	0.78	0.83	181.21
L15090-D	90.0	66.0	45000	380	141.0	4.60	2890	78.5	81.6	83.2	0.67	0.77	0.82	218.20
				400	136.6	4.70	2900	80.0	83.0	84.0	0.68	0.78	0.83	217.45
				415	134.0	4.75	2900	79.8	82.8	84.0	0.67	0.78	0.83	217.45
L15100-D	100.0	75.0	45000	380	157.0	4.64	2890	79.0	82.0	84.0	0.68	0.78	0.83	247.96
				400	153.0	4.70	2900	80.0	84.0	85.0	0.69	0.79	0.84	247.11
				415	151.0	4.72	2900	80.0	83.0	84.0	0.68	0.79	0.84	247.11
L15125-D	125.0	93.0	60000	380	192.0	4.74	2890	79.5	83.6	85.0	0.69	0.80	0.85	307.47
				400	188.0	4.80	2900	80.5	83.8	85.0	0.69	0.79	0.84	306.41
				415	186.0	4.83	2900	80.6	84.0	85.0	0.68	0.77	0.83	306.41
L15150-D	150.0	110.0	60000	380	226.0	4.75	2900	79.6	84.8	86.0	0.68	0.80	0.85	362.42
				400	222.0	4.80	2910	80.6	85.8	86.0	0.68	0.79	0.83	361.20
				415	220.0	4.83	2910	80.8	85.0	86.0	0.69	0.79	0.82	361.20
L15180-D	180.0	135.0	60000	380	266.0	4.80	2900	79.8	85.0	87.0	0.68	0.82	0.87	444.80
				400	256.0	4.90	2910	81.0	87.0	88.0	0.69	0.81	0.86	443.27
				415	255.0	4.95	2910	80.8	85.8	87.0	0.69	0.80	0.84	443.27
L15200-D	200.0	150.0	60000	380	302.0	4.80	2900	79.8	84.6	86.0	0.68	0.83	0.88	494.22
				400	294.0	4.90	2910	81.0	86.0	87.0	0.70	0.80	0.85	492.52
				415	291.0	4.94	2920	81.0	84.8	87.0	0.69	0.80	0.84	490.83
L15225-D	225.0	165.0	60000	380	336.0	4.90	2900	80.0	84.0	86.0	0.69	0.82	0.87	543.64
				400	326.0	5.00	2910	81.5	85.5	87.0	0.70	0.80	0.85	541.77
				415	322.0	5.05	2910	81.2	85.7	87.0	0.70	0.80	0.85	541.77
L15250-D	250.0	185.0	60000	380	375.0	4.90	2900	80.2	85.2	87.0	0.69	0.81	0.86	609.53
				400	365.0	5.00	2910	81.8	86.8	88.0	0.70	0.80	0.85	607.44
				415	361.0	5.05	2910	81.5	84.5	86.0	0.70	0.81	0.85	607.44

Submersible Rewindable Motor

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10" Submersible Rewindable Motor Performance Data 60 Hz

10 Inch Water Filled Motor

TYPE	Pn		Thrust Load (N)	Un (Volts)	In	Istart/In	RPM	η (Eff.) (%) AT % LOAD			COS φ (P.F) AT % LOAD			TN (Nm)
	H.P.	KW			(Amps)			50	75	100	50	75	100	
L16075-D	75.0	55.0	45000	380	115.0	5.70	3500	81.0	82.0	85.0	0.68	0.77	0.83	150.0
				460	95.0	5.71	3480	82.0	84.0	85.0	0.75	0.82	0.85	151.0
L16090-D	90.0	66.0	45000	380	140.0	5.86	3500	81.0	83.0	85.0	0.69	0.79	0.83	180.2?
				460	115.0	5.90	3480	83.0	84.0	85.0	0.75	0.83	0.84	181.0
L16100-D	100.0	75.0	45000	380	155.0	5.94	3500	83.0	85.0	86.0	0.70	0.78	0.83	205.0
				460	130.0	5.85	3480	83.0	84.0	85.0	0.76	0.83	0.85	206.0
L16125-D	125.0	93.0	60000	380	216.0	5.19	3510	81.0	83.0	85.0	0.69	0.78	0.83	253.1
				460	172.0	4.67	3500	83.0	84.0	85.0	0.76	0.83	0.86	253.8
L16150-D	150.0	110.0	60000	380	275.0	5.20	3510	84.0	86.0	86.0	0.70	0.79	0.84	299.4
				460	225.0	5.16	3500	84.0	86.0	86.0	0.71	0.80	0.84	300.2
L16180-D	180.0	135.0	60000	380	314.0	5.45	3510	84.0	86.0	86.0	0.73	0.82	0.86	367.5
				460	254.0	5.15	3500	85.0	87.0	87.0	0.77	0.84	0.87	368.5
L16200-D	200.0	150.0	60000	380	354.0	5.59	3510	84.0	87.0	87.0	0.75	0.83	0.87	408.3
				460	294.0	5.30	3500	85.0	87.0	87.0	0.77	0.84	0.87	409.5
L16225-D	225.0	165.0	60000	380	394.0	5.84	3510	84.0	86.0	86.0	0.75	0.82	0.85	449.1
				460	334.0	5.39	3500	85.0	86.0	87.0	0.73	0.81	0.85	450.4
L16250-D	250.0	185.0	60000	380	465.0	5.78	3510	84.0	87.0	87.0	0.66	0.77	0.83	503.6
				460	377.0	5.65	3500	85.0	87.0	87.0	0.70	0.79	0.84	505.0

