

SUBMERSIBLE MOTORS

6" Rewindable 304SS

Quality in the Well

These 6" rewindable motors, manufactured in ISO 9001 certified facilities, are built for dependable operation in 6" diameter or larger water wells. Water lubricated thrust and radial bearings enable a maintenance free operation.

A special diaphragm ensures pressure compensation inside the motor. The motor is filled with a special FES93 fluid, providing frost protection down to -15°C storage temperature.



Product Features / Advantages

- Fully 304SS
- Truly rewindable (removable winding covers)
- More operation safety margin (lower heat rise)
- Sand Fighter® sealing system as a standard
- Dual voltage labelled (50&60Hz)
- Same electrical parameters (same electrical active material)
- Motors ~17mm shorter and ~5kg decreased weight
- All motors prefilled and 100% tested
- Max. storage temperature -15°C – +60°C
- Design for retrofitable PT100 sensor
- Approved Franklin Electric "Kingsbury Type" thrust bearing
- 6" NEMA flange with Studs (M 12)
- Protection: IP68
- Starts per hour: max. 20
- Installation position: vertical/horizontal
- Motor Lead in 4m length (KTW approved)
- Motor protection: Select thermal overloads according to EN 60947-4-1, trip class 10 or 10A trip time <10 s at 5 x I_N
- YΔ – start (pos. of cables 90°)

Model Numbers

- 262 xxx 86xx – 304SS with PVC Winding insulation
- 262 xxx 87xx – 304SS with PE2/PA Winding insulation

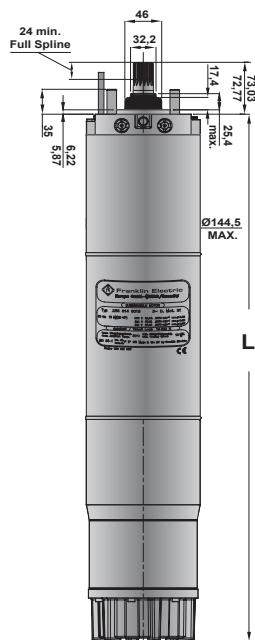


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3~ /400 V / 50 Hz

P_N [kW]	Thrust [N]	n_N [min ⁻¹]	I_N [A]	I_A [A]	η [%]	$\cos \varphi$ [%]	T_N [Nm]	T_A [Nm]
4	15500	2930	10,6	51	0,76	0,73	13,1	17,3
5,5	15500	2890	13,3	51	0,76	0,81	18,2	17,3
7,5	15500	2880	17,7	63	0,77	0,82	24,8	21,5
9,3	15500	2870	21,4	78	0,78	0,82	31,0	29,0
11	15500	2880	25,2	98	0,79	0,83	36,4	35,3
13	15500	2900	29,6	125	0,80	0,81	42,8	50,3
15	15500	2890	33,1	148	0,81	0,83	49,4	60,4
18,5	15500	2880	42,0	182	0,81	0,80	61,2	84,3
22	15500	2900	49,0	231	0,82	0,80	72,5	102,2
26	15500	2900	56,7	284	0,83	0,83	85,6	134,7
30	27500	2910	66,4	347	0,83	0,80	98,4	151,0
37	27500	2900	81,9	433	0,83	0,80	121,6	215,8



P_N [kW]	L [mm]	m [kg]
4	682	43
5,5	682	43
7,5	702	45
9,3	732	48
11	762	51
13	812	56
15	857	61
18,5	902	65
22	992	74
26	1097	85
30	1197	95
37	1277	102



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