



L6W/A Series

Rewindable water-filled submersible motors, suitable for use with 6" borehole pumps.

The choice of component materials and the sturdy construction ensure optimum operating performance, superior quality, reliability and easy installation.

Motor adapter and coupling dimensions to NEMA standards.

SPECIFICATIONS

Power supply: three-phase
50 and 60 Hz

Power: 4 kW to 37 kW, 380-415V, 50Hz
Motors with double cable outlet for star-delta starting can be supplied on request

Maximum overall diameter of pump (cable cover included):
144 mm

Maximum immersion depth:
350 m

Maximum water temperature:
+30°C.

Insulation class: Y

Protection: IP68

Tolerances: +/-10%

Power cable: Flat cable ACS-approved

MATERIALS

Outer sleeve: Stainless steel

Upper support: Cast-iron

Thrust bearing: Graphite (Kingsbury type)

Mechanical seal: Aluminium oxide - Graphite

Elastomers: NBR

Compensating diaphragm: EPDM

Cooling liquid: Water + antifreeze

APPLICATIONS

- Water supply
- Pressure boosting
- Irrigation
- Fire-fighting

Available on request:

- Motors with double cable outlet for star/delta start
- **L6WN series:** complete range available realized of AISI 316 stainless steel
- **L6WR series:** complete range available realized of Duplex stainless steel
- **HT series:** complete range available for all the L6W/N/R construction, realized for applications in high temperature environments (**up to 60°C**) or under inverter
- Silicon Carbide mechanical seal
- Temperature sensor
- PT 100 / PTC** retrofitable kits
- Special voltages

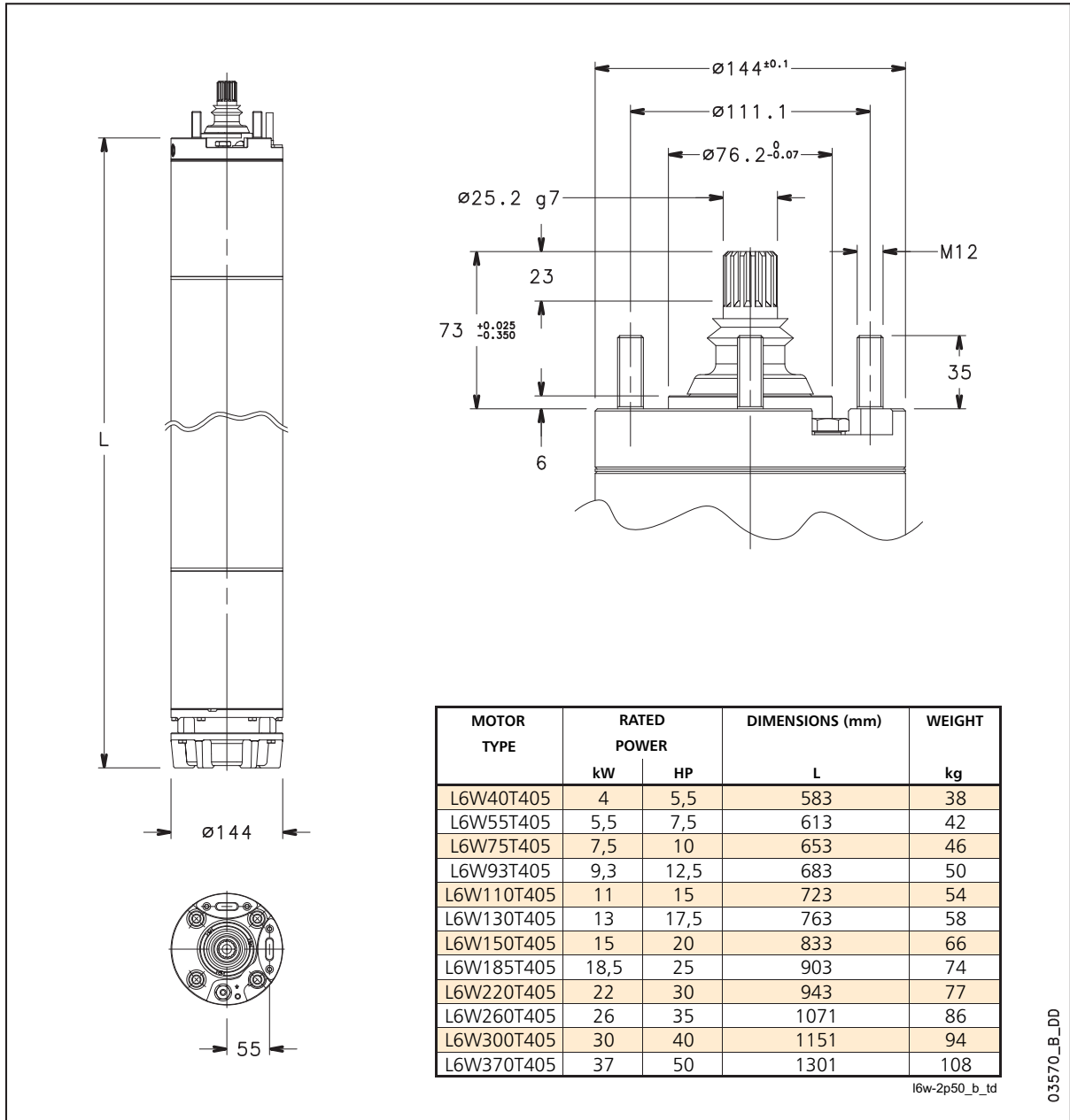


For a complete list of technical information, consult www.lowara.com

Engineered for life



L6W SERIES MOTORS DIMENSIONS AND WEIGHTS AT 50 Hz





General Catalogue

L6W SERIES MOTORS – THREE-PHASE OPERATING CHARACTERISTICS AT 50 Hz

MOTOR TYPE	RATED POWER		RATED VOLTAGE	OPERATING CHARACTERISTICS AT RATED POWER				DIRECT START		MAX WATER TEMPERATURE °C	CABLE TYPE			
	THREE-PHASE	kW		HP	RATED CURRENT	rpm	η %	cosφ	Ts/Tn*		Is/In	Sec. (mm ²)		
												DOL	Y/D	L (m)
L6W40T405	4	5,5	380	9,62	2845	69,5	0,91	0,96	3,64	30	4	-	4	
			400	9,26	2865	71,0	0,88	1,12	3,99					
			415	8,94	2880	72,2	0,86	1,15	4,27					
L6W55T405	5,5	7,5	380	12,7	2850	74,0	0,89	1,28	4,27	30	4	4	4	
			400	12,4	2877	75,7	0,84	1,31	4,69					
			415	12,3	2885	74,7	0,83	1,54	4,82					
L6W75T405	7,5	10	380	17,1	2830	74,4	0,9	1,18	4,07	30	4	4	4	
			400	16,37	2862	76,0	0,87	1,40	4,74					
			415	16,4	2865	75,7	0,84	1,43	4,65					
L6W93T405	9,3	12,5	380	20,5	2835	76,6	0,89	1,51	4,57	30	4	4	4	
			400	19,96	2862	78,2	0,86	1,67	5,01					
			415	19,8	2870	77,6	0,83	1,82	5,16					
L6W110T405	11	15	380	24,8	2825	76,3	0,89	1,36	4,27	30	4	4	4	
			400	23,46	2852	78,0	0,86	1,60	4,73					
			415	24,0	2860	77,4	0,82	1,64	4,81					
L6W130T405	13	17,5	380	28,7	2820	76,6	0,9	1,37	4,38	30	4	4	4	
			400	27,13	2857	78,9	0,88	1,46	4,93					
			415	27,5	2860	77,9	0,84	1,66	4,99					
L6W150T405	15	20	380	32,4	2830	76,1	0,89	1,62	4,83	30	4	4	4	
			400	31,45	2856	80,6	0,85	1,72	5,24					
			415	31,1	2865	80,3	0,84	1,96	5,48					
L6W185T405	18,5	25	380	40,0	2835	80,3	0,87	1,80	5,10	30	6	4	4	
			400	37,6	2863	82,4	0,86	1,97	5,64					
			415	39,6	2865	80,4	0,81	2,17	5,63					
L6W220T405	22	30	380	48,5	2835	78,7	0,88	1,05	4,59	30	6	4	4	
			400	46,5	2880	82,2	0,83	1,20	5,38					
			415	45,4	2875	81,8	0,82	1,26	5,30					
L6W260T405	26	35	380	56,2	2865	80,2	0,88	1,03	4,57	30	6	4	4	
			400	55,43	2883	82,7	0,82	1,76	5,17					
			415	53,4	2890	81,9	0,83	1,24	5,25					
L6W300T405	30	40	380	64,7	2855	80,5	0,88	1,08	4,59	30	10	4	4	
			400	62,29	2890	83,1	0,83	1,19	5,32					
			415	61,4	2885	82,1	0,83	1,30	5,28					
L6W370T405	37	50	380	81,7	2840	78,6	0,88	1,00	4,24	30	10	4	4	
			400	79,11	2871	81,2	0,83	1,15	4,60					
			415	78,8	2875	79,8	0,82	1,20	4,81					

* Ts/Tn = ratio between starting torque and nominal torque.

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