



L10W Series

Rewindable water-filled submersible motors, suitable for use with 10" borehole pumps. The choice of component materials and the sturdy construction ensure optimum operating performance, superior quality, reliability and easy installation.

SPECIFICATIONS

Power supply: three-phase
50 and 60 Hz

Power: 93 kW to 150 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):
236 mm

Maximum immersion depth:
350 m

Maximum water temperature:
+25°C.

Insulation class: Y

Protection: IP68

Tolerances: +/-10%

Power 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:

- High temperature windings
- Temperature sensor PT 100
- Silicon carbide mechanical seal
- Inverter applications
- Horizontal installation

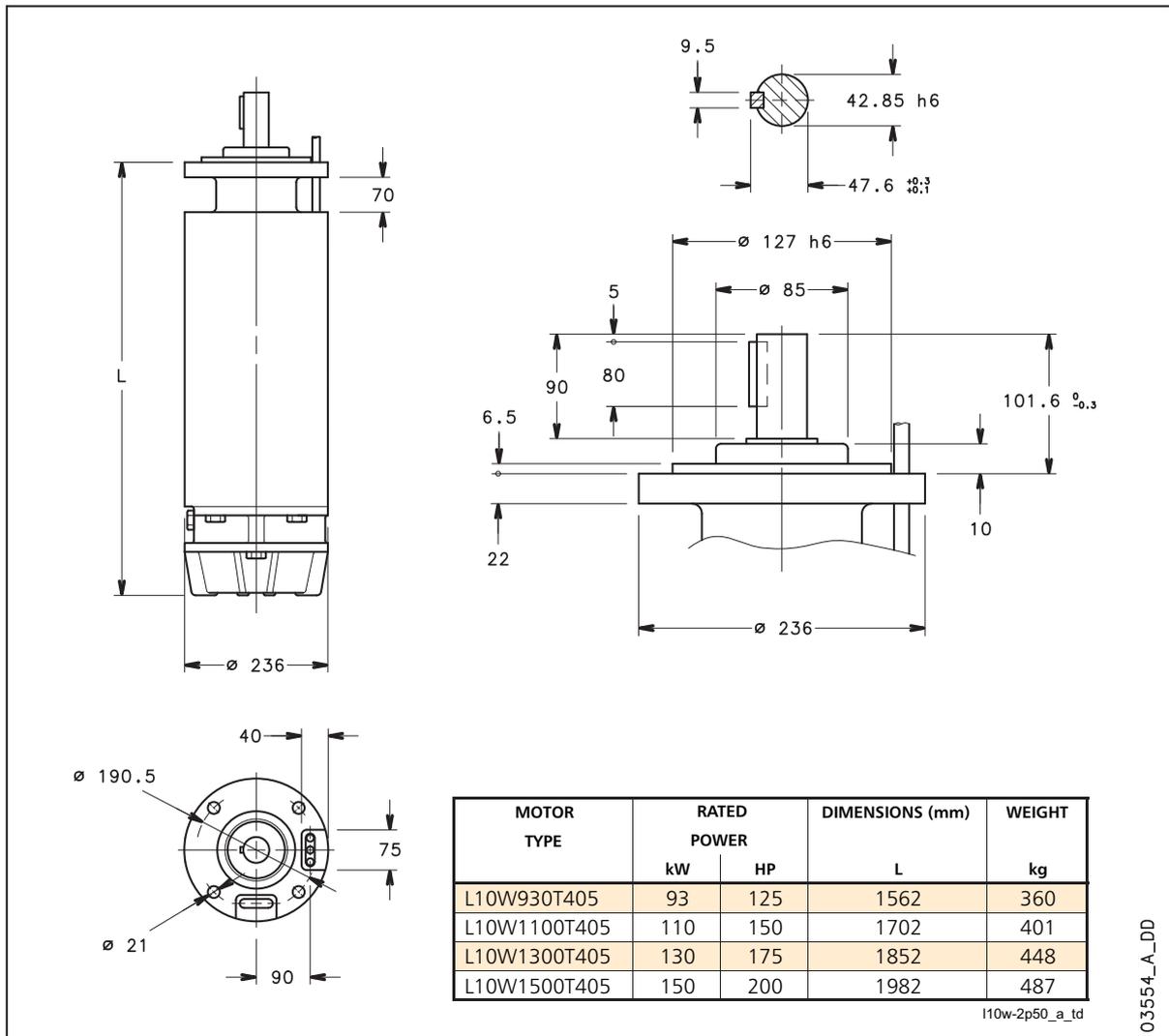


For a complete list of technical information, consult www.lowara.com

Engineered for life



L10W SERIES MOTORS - DIMENSIONS AND WEIGHTS AT 50 Hz



THREE-PHASE OPERATING CHARACTERISTICS AT 50 Hz

MOTOR TYPE	RATED POWER		RATED VOLTAGE	OPERATING FEATURES AT RATED POWER						DIRECT STARTING	MAX. WATER TEMPERATURE	CABLE TYPE		
	kW	HP		RATED POWER								Sez. (mm ²)		
				RATED CURRENT	rpm	η %	cosφ	Ts/Tn*	Is/In			C	DOL	Y/D
L10W930T405	93	125	380	191	2895	83,0	0,87	1,02	5,14	25	35	25	5	
			415	180	2915	84,0	0,84	1,21	5,95					
L10W1100T405	110	150	380	235	2900	83,5	0,86	1,20	4,77	25	50	25	5	
			415	220	2920	84,5	0,82	1,43	5,57					
L10W1300T405	130	175	380	270	2895	84,0	0,86	1,29	4,84	25	50	25	5	
			415	255	2915	85,5	0,83	1,54	5,60					
L10W1500T405	150	200	380	308	2905	83,0	0,86	1,26	4,77	25	70	25	5	
			415	285	2925	84,0	0,84	1,50	5,63					

* Ts/Tn = starting torque/rated torque.

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