

Slurry mixer POD

Landia's slurry mixer POD is a compact and flexible submersible mixer suited for smaller tanks and channels where the level of liquid is fairly low.

APPLICATION EXAMPLES

- ▶ The propeller is constructed in a way that makes it very useful; for instance, in a channel with a low level of liquid.
- ▶ The low weight makes it easy to move to the mixer around and use it in several places.
- ▶ The mixer can be installed on a trailer to be moved around.



IN SHORT

Motor sizes from 2.2 to 11.0 kW

Double mechanical sealing

Compact with a low weight

PROPELLER RPM

1,500 rpm

MATERIAL OF CONSTRUCTIONR

Motor housing and oil chamber	Cast iron EN-GJL-250
Propeller and Protection collar	W1.0038/A 570 Gr. 36 Stainless steel W1.4301/AISI 304 (optional)
Shaft	W1.6582/AISI4340
Bolts	A4
Sealing set	Mechanical shaft seals: silicon carbide/silicon carbide
Oil type	15W-40

SERVICE AND MAINTENANCE

Recommended service interval/oil change	Maximum 2,000 operating hours/minimum once a year
Motor	Lifetime lubricated bearings
Oil chamber	Periodic oil change

SURFACE TREATMENT

Machinery enamel: RAL 9005 (Jet Black)

Jet Black

ELECTRICAL CABLE

H07RN-F/S07RN-F EUCAFLEX^{Plus} Cable.

Resistant to oil and UV radiation.



Number of conductors:

H07RN-F 7G1.5 mm² (Not used in United Kingdom)

H07RN-F 7G2,5 mm² (Only United Kingdom. Motor ≤ 5,5 kW)

S07RN-F 7G4+3x1.5 mm²

As standard supplied with 7 m of cable (extra length available upon request).

MONITORING FUNCTIONS

Bimetal thermal sensors 120 °C

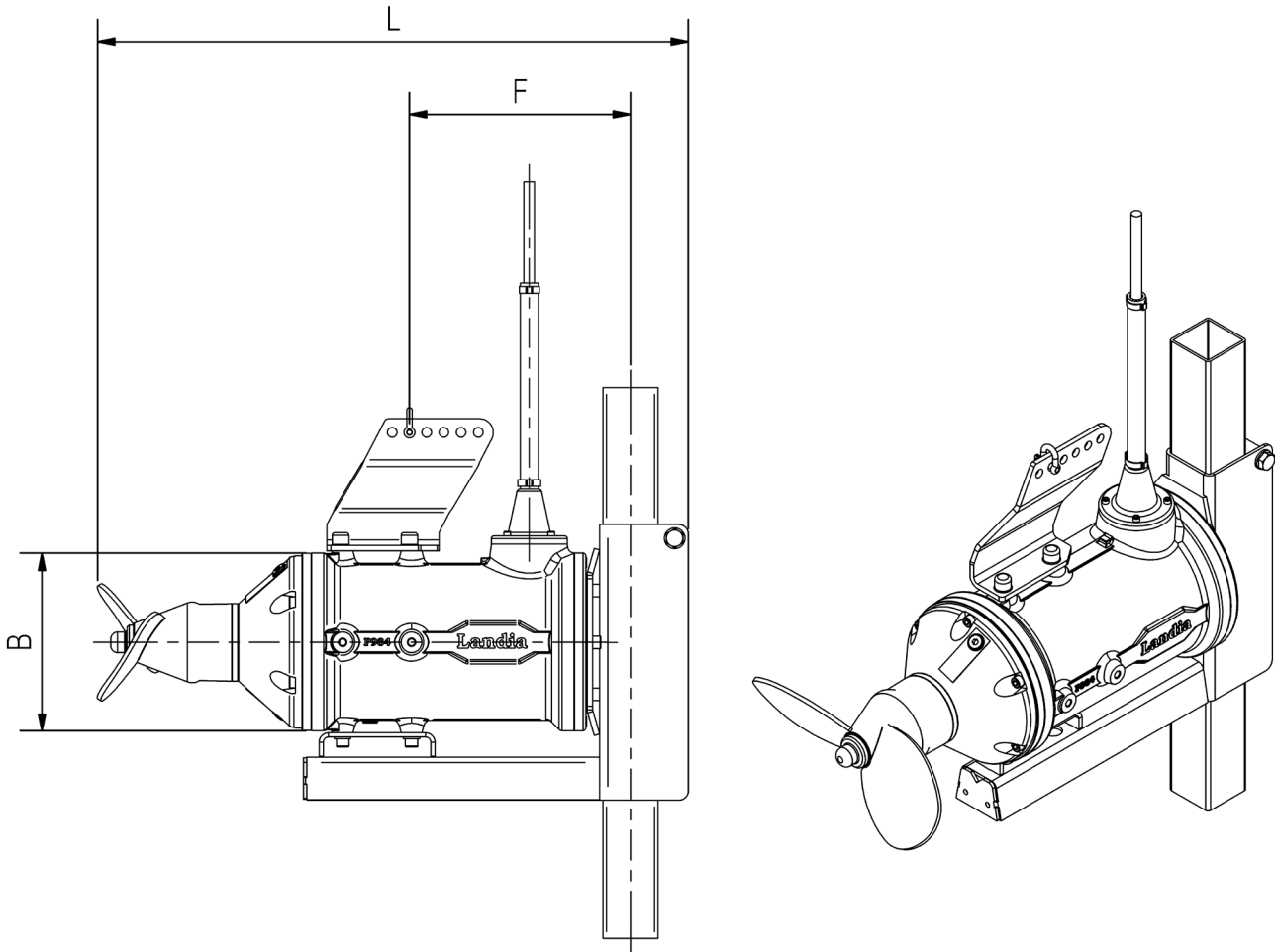
ELECTRICAL DATA

Motor type	3-phase AC motor
Nominal voltage	400 V
Minimum voltage allowed	360 V
Nominal frequency	50 Hz
Applicable for VFD operation	Yes
Ingress protection rating	IP 68
Insulation class	F

Model	Nominal power	Motor	Full load current (400 V)	Connection method	Start current (DOL)	cos phi	Efficiency
	[kW]	[rpm]	[A]	Y/Δ	[A]		[%]
POD 2.2 kW-1,500 rpm	2.2	1410	5.0	Y	30	0.80	80.2
POD 5.5 kW-1,500 rpm	5.5	1440	11.0	Δ	68	0.87	84.6
POD 11.0 kW-1,500 rpm	11.0	1455	21.5	Δ	146	0.84	87.9

For voltages others than 400 V/50 Hz please refer to the attached Appendix.

OVERALL DIMENSIONS



Model	Propeller diameter [mm]	B [mm]	F [mm]	L [mm]	Guide pipe [mm]	Weight [kg]
POD 2.2 kW-1,500 rpm	Ø190	189	190	555	60x60	38
POD 5.5 kW-1,500 rpm	Ø260	226	-	725	80x80	70
POD 11.0 kW-1,500 rpm	Ø275	264	295	830	80x80	119

We reserve the right to make technical changes.