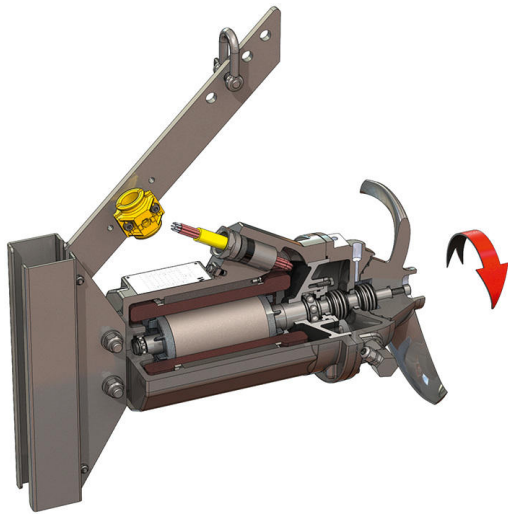


Pioneering for You

wilo

Submersible mixer

Flumen OPTI-TR 28-1.145-4/13



Materials

Motor housing	1.4408, GX5CrNiMo19-11-2
Static gaskets	FKM
Motor shaft	1.4021, X20Cr13
Sealing chamber	1.4408, GX5CrNiMo19-11-2
Seal on the fluid side	SiC/SiC, Q1Q1VGG
Propeller	1.4408, GX5CrNiMo19-11-2

Unit

Power consumption at duty point P_{21}	1.50 kW
Max. thrust F	370 N
Thrust to power ratio	247 N/kW
Max. weight* m	40 kg
Explosion protection ATEX	optional
Explosion protection FM	optional
Protection class motor	IP68

Propeller

Propeller model	2-blade propeller with self-cleaning hub; clogging- and entwining-free
Nominal propeller diameter D_{nom}	280 mm
Propeller speed n	1361 1/min
Transmission ratio	1.000

Filling quantities and types

Filling sealing chamber	White oil
Fill volume sealing chamber V	0.40 l

Motor/electronics

Motor type	T 12-4/13GRF (Ex)
Motor design	Submersible motor – surface-cooled
Mains connection	3~400 V, 50 Hz
Rated current I_n	3.70 A
Starting current – direct I_s	14.80 A
Power consumption P_{2max}	1.94 kW
Rated power P_2	1.5 kW
Speed original n	1361 1/min
Motor efficiency class	-
Efficiency η_M	77.6 %
Power factor $\cos \varphi_{200}$	0.76
Min. fluid temperature T_{min}	3 °C
Max. fluid temperature T_{max}	40 °C
Max. immersion depth	20 m
Insulation class	F
Max. switching frequency t	15 rph
min. switching break t	3 min
Starting torque M	18.3 Nm
Moment of inertia	0.0021 kg/m ²
Motor bearings	2 grooved ball bearing

*maximum weight including accessories