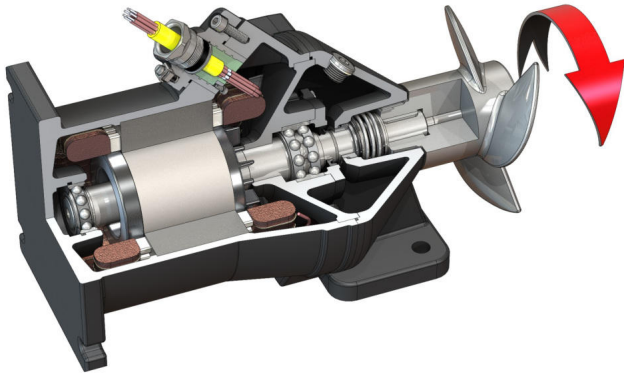


Pioneering for You

wilo

Submersible mixer

Flumen OPTI-TR 22.114-6/8



Unit

Power consumption at duty point $P_{1,1}$	2.08 hp
Max. thrust F	57.3 lbf
Thrust to power ratio	27 lbf/hp
Max. weight* m	220.5 lb
Explosion protection ATEX ATEX	optional
Explosion protection FM FM	optional
Protection class motor	IP68

Propeller

Propeller model	3-blade propeller with self-cleaning hub; clogging- and entwining-free
Nominal propeller diameter D_{nom}	8.7 in (*)
Propeller speed n	1080 RPM
Transmission ratio	1.000

Filling quantities and types

Filling sealing chamber	White oil
Fill volume sealing chamber V	0.3 US gal

Motor/electronics

Motor type	T 17-6/8R (Ex)
Motor design	Submersible motor – surface-cooled
Mains connection	3~460 V, 60 Hz
Rated current I_N	4.50 A
Starting current – direct I_A	26.00 A
Starting current – star-delta I_A	9.00 A
Power consumption $P_{1 max}$	3.9 hp
Rated power P_2	2.7 hp
Speed original n	1080 RPM
Motor efficiency class	–
Efficiency η_M	70.0 %
Power factor $\cos \varphi$	0.80
Min. fluid temperature T_{min}	37 °F
Max. fluid temperature T_{max}	104 °F
Max. immersion depth	66 ft
Insulation class	H
Max. switching frequency t	15 rph
min. switching break t	3 min
Starting torque M	27.3 lbf ft
Moment of inertia	0.27 lb ft ²
Motor bearings	1 grooved ball bearing, 1 two-row inclined ball bearing

Materials

Motor housing	ASTM A48, Class No. 35
Static gaskets	FKM Fluoro rubber
Motor shaft	AISI 420
Sealing chamber	ASTM A48, Class No. 35
Propeller	AISI 316

*maximum weight including accessories