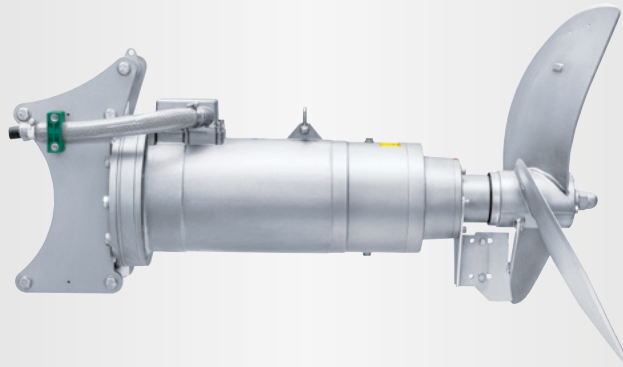


OPTIMIX 3A 250-325



Application

Submersible motor
 Dry matter content up to 12 %
 Substrate temperature up to 131 F
 pH-value 5.5 - 8.2 / Optional ss316: pH-values 4.5 - 8.2

Motor

Motor: 30 hp 60Hz
 Protection class IP 68, pressure resistant 33 ft
 PTC thermistors for overheat protection
 Separate oil chamber, turbine oil

Gear

Sturdy planetary gear,
 Reduction ratio $i = 5.35$
 Isolated oil circuit, longlife gear oil
 8,000 operating hours between oil changes

Bearing

Bearing flange with mechanical seal SiC/SiC
 2 tapered roller bearings to absorb the axial forces
 Shaft is hardened steel
 Bearing flange with separate oil chamber, longlife gear oil
 Oil change interval every 8,000 operating hours
 Accessory: POM protection to minimize abrasion

Ex zone

Authorized for Ex-Zone 2
 ATEX Classification $\text{CE Ex II 3G Ex ec h IIA T3 Gc}$

Propeller

3-blade propeller, dynamically balanced
 Optimix | 30 hp (22 kW) | 325 rpm | propeller HD+ 800
 ss304, hardened ss304 or ss316

Guide mast connection

Guide mast support with 4 rollers for smooth height adjustment:
 30 hp: 4.7 / 5.9 in square mast
 Special sizes on request

Corrosion protection

Housing and guiding unit in ss304
 Optional completely manufactured in ss316

Electric cable

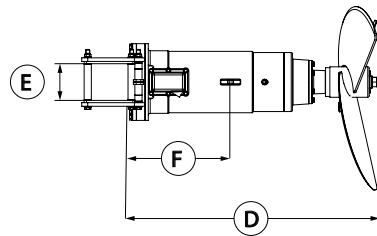
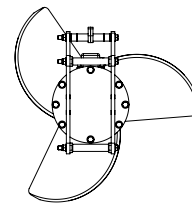
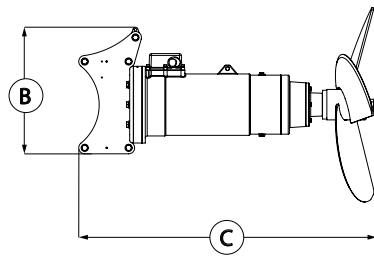
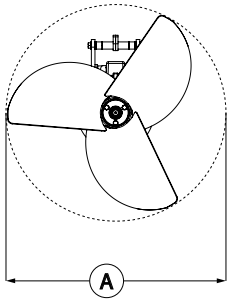
Pressed cable gland, cable standard length 33 ft
 Cable 4 x 10 + 4 x 1 mm², Ø 1.0 in, shielded
 Resistant against biomass microbes
 Strain relief 180 lbf

Control

Soft start or frequency converter



OPTIMIX 3A 250-325



Dimensions

Type	A [in]	B [in]	C [in]	D [in]	E [in]	F [in]					
3A 250-325	31.5	20.9	50.4	41.5	4.7 / 5.9	16.9					

Technical data

Type	Rated Power [hp]	Frequency [Hz]	Gear reduction ratio	Propeller speed [rpm]	Propeller diameter [in]	Axial force [lbf]	Flow velocity ft/s *	Pumping rate [gal/min]	Weight approx. [lbs]			
3A 250-325	30	60	5.35	325	31.5	966.7	14.1	33,285	573			

Subject to change without notice

* measured in water and 3.94 ft distance