



OPTIMIX
2A 8 720
2A 15 720
2A 22 720



Application

Submersible motor
 Dry matter content up to 4 %
 Substrate temperature up to 55°C
 pH-value 5.5 - 8.2

Motor

Motor power: 0.8 / 1.5 / 2.0 kW, 8-poles
 230 / 400 V, 50 Hz, special tension on request
 Protection class IP 68, up to 10 m submergence
 PTC thermistors for overheat protection
 High efficiency class
 Own oil circulation, turbine oil

Bearing

Bearing flange with mechanical seal of SiC/SiC
 Shaft of ss304
 Bearing flange with separate oil chamber
 Longlife oil
Accessory: POM protection to minimize abrasion

Ex zone

Authorized for Ex-Zone 2
 ATEX Classification **CE** **Ex** II 3G Ex ec h IIA T3 Gc

Propeller

3-blade high efficiency propeller, dynamically balanced, self-cleaning

Optimix 2A	0.8 kW	propeller LD 250 S	738 rpm
Optimix 2A	1.5 kW	propeller LD 320 S	728 rpm
Optimix 2A	2.2 kW	propeller LD 340 S	714 rpm

ss304, hardened ss304 or ss316

Guide mast connection

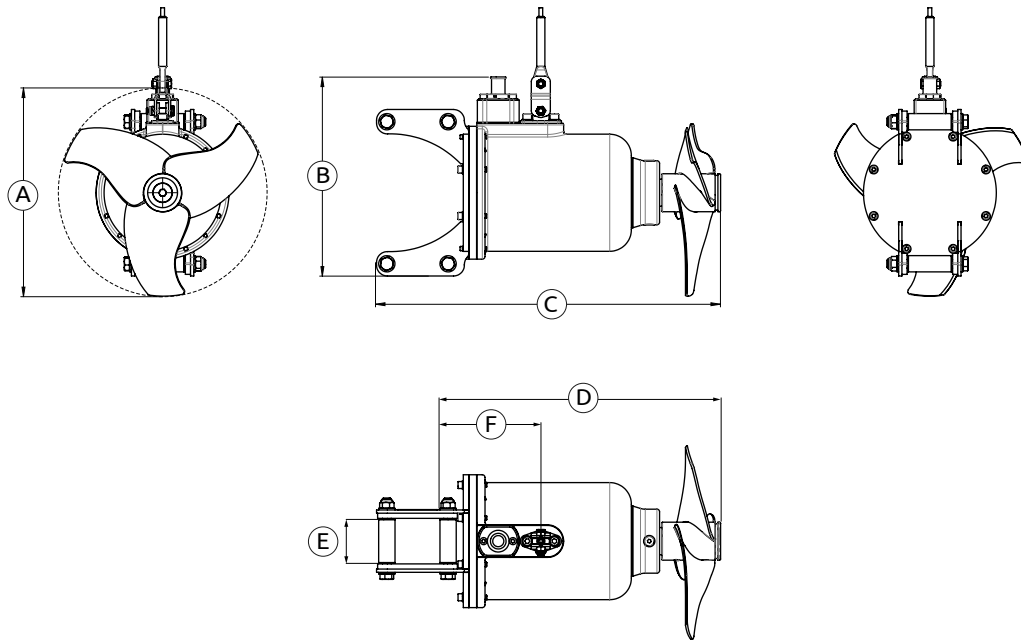
Guide mast support with 4 rollers for smooth height adjustment:
 60 / 80 mm square mast
 Special sizes on request

Corrosion protection

Guiding unit of ss304

Electric cable

Standard length 10 m, with pressed-on cable gland
 Microbe resistant cable 4 x 2.5 + 2 x 1 mm², Ø 20 mm
 Strain relief 800 N



Dimensions / Weight

Type	A [Ø in mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Weight approx. [kg]			
2A 8 720	250	370	635	506	60 / 80	196	75			
2A 15 720	320	370	635	506	60 / 80	196	75			
2A 22 720	380	370	635	506	60 / 80	196	75			

Technical data

Type	Rated Power [kW]	Rated Voltage [V]	Full load current [A]	Frequency [Hz]	Power factor cos φ	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN]	Flow velocity [m/s] *	Pumping rate [m³/min]	Pumping rate [m³/h]
2A 8 720	0.8	400	3.95	50	0.37	738	250	0.24	2.55	7	420
2A 15 720	1.5	400	4.7	50	0.56	728	320	0.43	2.92	13	800
2A 22 720	2.2	400	5.9	50	0.68	714	340	0.50	3.15	16	950

Subject to technical changes

* measured in water and 1.2 m distance



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