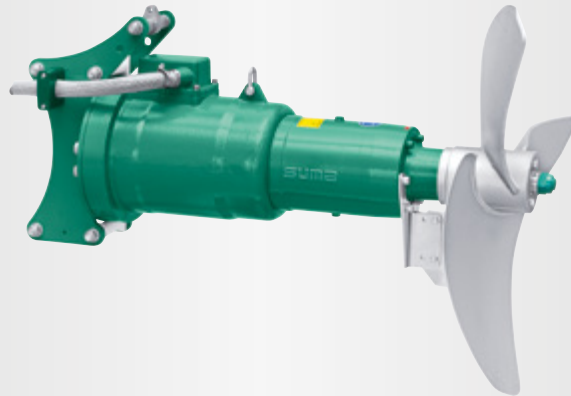


OPTIMIX 2G

150-460



Application

Submersible Motor
Dry matter content up to 12 %
Substrate temperature up to 131 F
pH-value 6.5 - 8.2

Propeller

3-blade high efficiency propeller, dynamically balanced
Optimix 2G | 20.0 hp | 460 rpm | propeller HD+ 580
hardened steel, optional galvanized or ss304

Motor

Motor: 20 hp, 60Hz
Protection class IP 68, up to 33 ft submergence
PTC thermistors for thermal protection
High power factor
Separate oil chamber, turbine oil

Guiding unit

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

Gear

Flange mounted planetary gear
Reduction ratio $i=5.33$
Separate oil chamber, longlife gear oil
Oil change interval after 8,000 operating hours

Corrosion protection

Ductile cast iron housing (GGG40)
Agitator has a two component epoxy coating
Agitator is galvanically isolated from the guide mast

Bearing

Bearing flange with mechanical seal SiC/SiC
2 tapered roller bearings to absorb the axial forces
Shaft \varnothing 1.8 in
Bearing flange with own oil chamber, longlife gear oil
Oil change interval after 8,000 operating hours
Accessory: POM protection to minimize abrasion

Electric Cable

Pressed cable gland
Cable 7 x 4 + 4 x 1,5 mm², \varnothing 0.8 in
Resistant against biomass microbes
Strain relief 180 lbf

Ex-Zone

Authorized for Ex-Zone 2

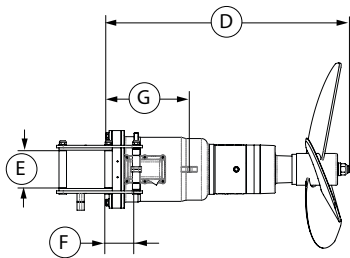
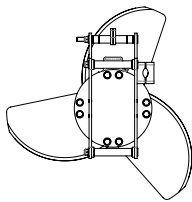
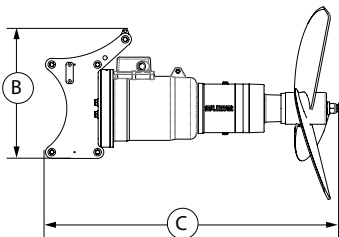
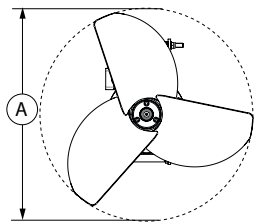
Controls (optional)

Oft start or frequency converter



OPTIMIX 2G

150-460



Dimensions

Type	A Ø [in]	B [in]	C [in]	D [in]	E [in]	F [in]	G [in]				
2G 150-460	22.9	20.5	45.0	38.5	4.7 / 5.9	4.1 / 4.9	13.2				

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]			
2G 150-460	20	60	3.83	460	22.9	674	14.1	17,171	367			

Subject to change without notice
* measured in water and 3.94 ft distance