OPTIMIX
2G 30-710
2G 40-950

Application
Submersible motor
Dry matter content up to 8 %
Substrate temperature up to 55°C
pH-value 6.5 - 8.2

Propeller
3-blade high efficiency propeller, dynamically balanced

Optimix 2G	3.0 kW	propeller LD 380	710 rpm
Optimix 2G	4.0 kW	propeller LD 310	950 rpm

Galvanized, hardened steel, ss304 or hardened ss304

Motor
Motor power: 3.0 kW, 4.0 kW
400 V, 50 Hz, special tension on request
Protection class IP 68, up to 10 m submergence
PTC thermistors for overheat protection
Own oil circulation, turbine oil

Guide mast connection
Guide mast support with 4 rollers for smooth height adjustment:
80 / 100 / 120 mm square mast
Special sizes on request

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

Bearing
Bearing flange with mechanical seal of SiC/SiC
2 Tapered roller bearings to absorb the axial forces
Bearing flange with seperate oil chamber
Oil Longlife

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

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

Control box (optional)
Soft start or frequency converter

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INDUSTRY

OPTIMIX

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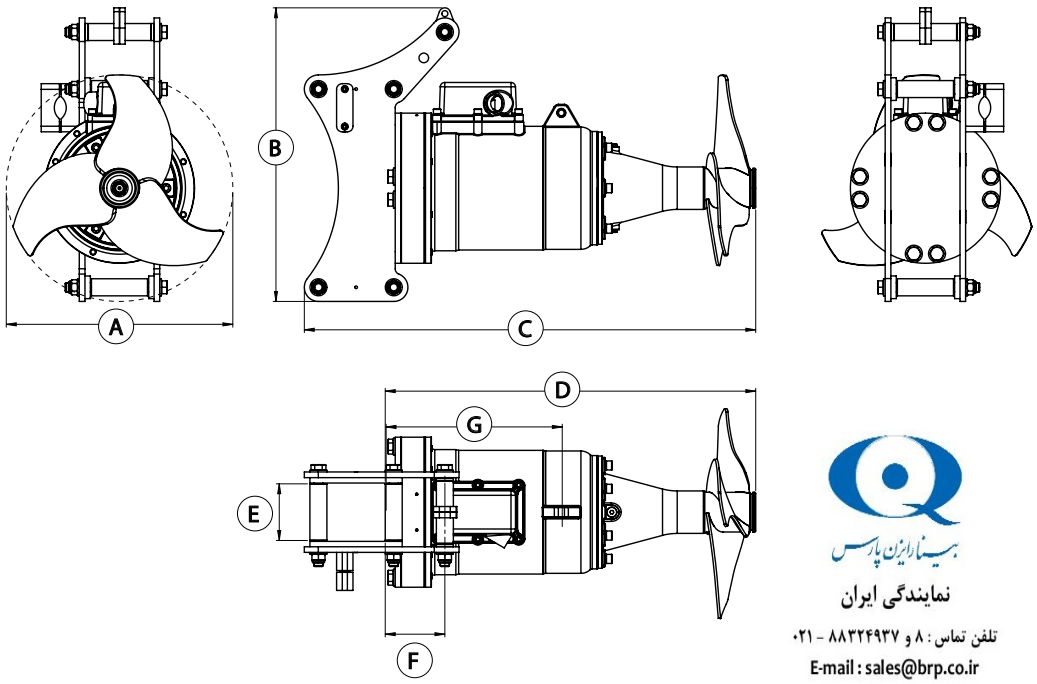

Dimensions / Weight

Type	A [Ø in mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight approx. [kg]		
2G 30-710	380	520	800	650	80 / 100 / 120	105	310	150		
2G 40-950	310	520	800	650	80 / 100 / 120	105	310	150		

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]
2G 30-710	3.0	400	7.8	50	0.68	710	380	0.7	3.6	24	1.420
2G 40-950	4.0	400	8.6	50	0.79	950	310	0.7	3.0	13	770

Subject to technical changes
* measured in water and 1.2 m distance

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