



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

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

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

Corrosion protection

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

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			

Guide mast connection

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

Bearing

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

Ex zone

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

Control box

Soft start or frequency converter
Direct start*



بینا زمین پارس

نمایندگی ایران

تلفن تماس : ۸ و ۸۸۳۲۴۹۳۷ - ۲۱

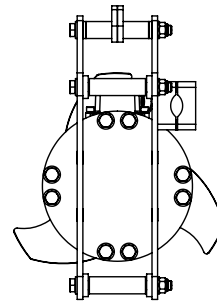
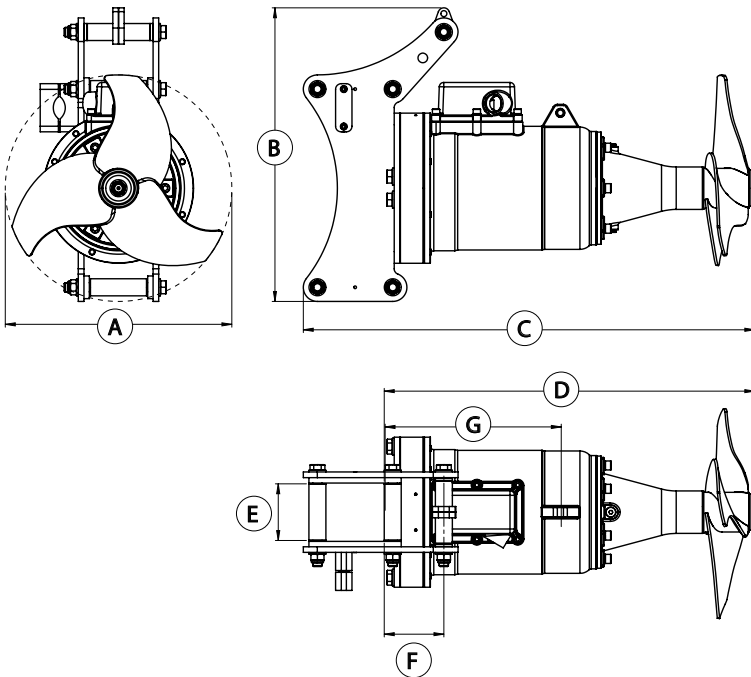
E-mail : sales@brp.co.ir

* only after consultation and approval!

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تلفن تماس: ۸ و ۸۸۳۲۴۹۳۷ - ۰۲۱

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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