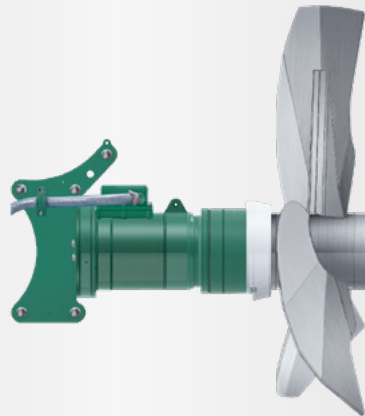


OPTIMIX 2G 90-65



Application

Submersible motor
Dry matter content up to 14 %
Substrate temperature up to 55°C
pH-value 6.5 - 8.2

Motor

Power: 9.0 kW
400 V, 50 Hz, other voltages on request
Protection class IP 68, up to 10 m submergence
PTC thermistors for thermal protection
High efficiency
Own oil circulation, turbine oil

Gear / Bearing

Robust, two stage planetary gear
Reduction ration $i = 22.87$
Mechanical seal SiC/SiC
2 tapered-roller bearings to absorb the axial forces
Hardened steel spline shaft, Ø 50 mm
Separate oil fill with long life gear oil
Oil change interval 12,000 operation hours

Ex-zone

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



نمایندگی ایران

تلفن تماس : ۸ و ۸۸۳۲۴۹۳۷ - ۲۱

E-mail : sales@brp.co.ir

Propeller

3-blade high efficiency propeller, dynamically balanced
Optimix 2G 90-65 | 9.0 kW | XT 1400-25 | 65 rpm
Painted steel, optionally ss304, hardened steel

Guide mast connection

Guide mast support with 4 rollers for smooth height adjustment
Depending on version, available for 100 / 120 / 150 mm square mast
Special sizes on request

Corrosion protection

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

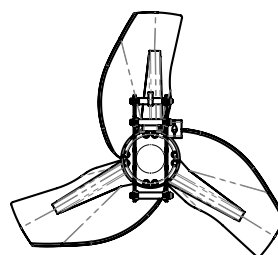
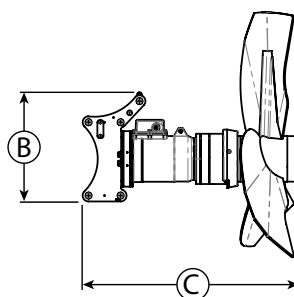
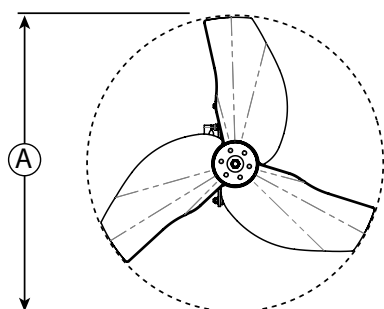
Recommended accessories for ss304 blades:
cathodic corrosion protection (CCP)/sacrificial anode to prevent electrocorrosion

Cable

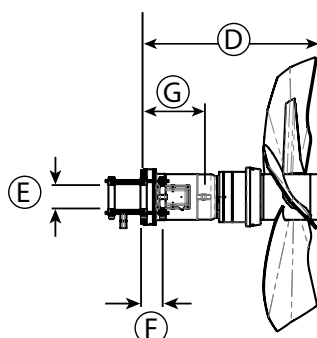
Pressed-on cable gland
Standard length 10 m
Cable $7 \times 4 \text{ mm}^2 + 4 \times 1.5 \text{ mm}^2$, Ø 20 mm
Microbe resistant
Strain relief 800 N

Control box

Soft start or frequency converter



OPTIMIX 2G 90-65



بسناراین پارس

نمایندگی ایران

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 90-65	1,400	520	1,050	850	100 / 120 / 150	105	300	260			

Technical data

Type	Rated Power [kW]	Rated Voltage [V]	Full load current [A]	Frequency [Hz]	Power factor cos ϕ	Gear reduction ratio	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN]	Flow velocity [m/s] *	Pumping rate [m ³ /min]	Pumping rate [m ³ /h]
2G 90-65	9.0	400	17.7	50	0.83	22.87	65	1,400	3.2	1.8	162	9.720

Subject to technical changes

* measured in water and 1.2 m distance