



OPTIMIX

2G 20-30

2G 30-30



نمایندگی ایران

تلفن تماس : ۸ و ۸۸۳۲۴۹۳۷ - ۰۲۱

E-mail : sales@brp.co.ir



Application

Submersible motor for homogenization and flow generation

Dry matter content up to 4 %

Medium temperature up to 55°C

pH-value 6.5 - 8.2

Motor

Motor power: 2.0/3.0 kW, 8-poles

400 V, 50 Hz, special voltage on request

Submersible motor protection class IP 68, up to 10 m submergence

PTC thermistors for thermal protection

High power factor

Separate oil chamber, turbine oil

Gear / Bearing

Robust 2-staged planetary gear

Reduction ratio $i = 19.6$

Separate oil chamber (2.1 Ltr.), Longlife gear oil

Oil change interval after 8,000 operating hours

Mechanical seal SiC/SiC

Cable

Pressed cable gland

Cable $4 \times 2.5 + 2 \times 1 \text{ mm}^2$, $\varnothing 20 \text{ mm}$

Resistant against biomass microbes

Strain relief 800 N

Ex-Zone

Authorized for Ex-Zone 2

ATEX Classification **CE** II 3G Ex ec h IIA T3 Gc

Propeller

3-blade high efficiency propeller, dynamically balanced

2G 20-30	2 kW	propeller WX 2200-10	30 rpm
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2G 30-30	3 kW	propeller WX 2600-10	30 rpm
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ss304

Guide mast connection

Guide mast support with 4 rollers for smooth height adjustment:

100 / 120 / 150 mm square mast

Special sizes on request

Corrosion protection

Ductile cast iron housing GGG40

Two component epoxy coating

Agitator is galvanically isolated from the guide mast

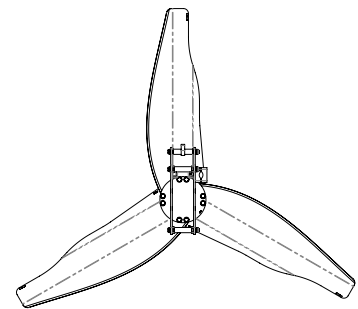
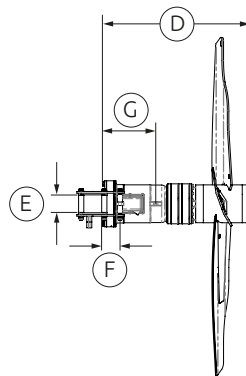
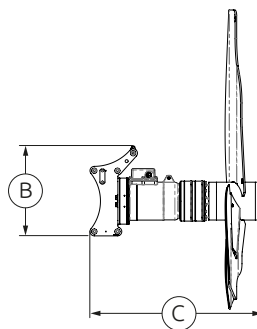
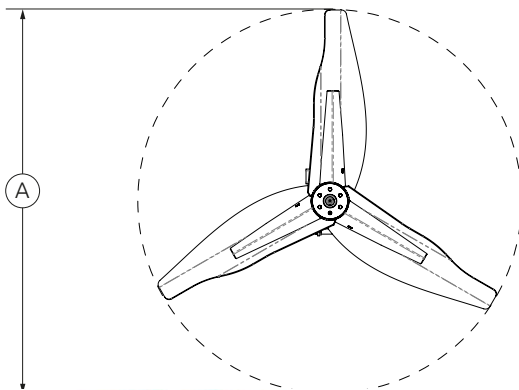
Control box

Soft start or frequency converter

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Dimensions / Weight

Type	A [Ø in mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight [kg]			
2G 20-30	2,200	518	997	854	100 / 120 / 150	105	310	220			
2G 30-30	2,600	518	997	854	100 / 120 / 150	105	310	240			

Technical data

Type	Rated power [kW]	Rated voltage [V]	Rated 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 water [m³/min]	Pumping rate water [m³/h]
2G 20-30	2	400	6.2	50	0.68	19.6	30	2,200	2.1	1.12	251	15,040
2G 30-30	3	400	7.8	50	0.68	19.6	30	2,600	3.45	1.3	409	24,520

Subject to technical changes

* measured in water and 1.2 m distance