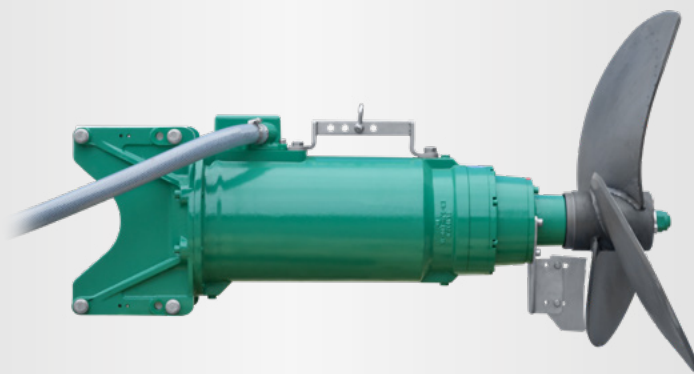


OPTIMIX 3G 250-270



Application

Submersible motor
Dry matter content up to 12 %
Substrate temperature up to 55°C
pH-values 6.5 - 8.2

Motor

Motor power: 25.0 kW
400 V, 50 Hz, Special tensions on request
Protection class IP 68, up to 10 m submergence
PTC thermistors (for thermal protection)
High power factor $\cos \phi$ 0.84
Separat oil chamber, turbine oil

Gear

Flange mounted planetary gear,
Reduction ratio $i = 5.35$
Longlife gear oil
Oil change after 8,000 operating hours

Corrosion protection

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

Cable

Pressed cable gland, cable standard length 10 m
Cable $4 \times 10 + 4 \times 1 \text{ mm}^2$, \varnothing 26 mm,
Resistant against biomass
Strain relief 800 N

Propeller

3-blade high efficiency propeller, dynamically balanced
Optimix 3G | 25 kW | propeller HD+ 900 | 270 rpm
Hardened steel or ss304

Guide mast connection

Guide mast support with 4 rollers for smooth height adjustment:
25 kW: 120 / 150 mm square mast

Bearing

Bearing flange with mechanical seal SiC/SiC
2 Tapered roller bearings to absorb the axial thrust
Shaft \varnothing 45 mm
Separat oil chamber, Longlife gear oil
Accessory: POM protection to minimize abrasion

Ex zone

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

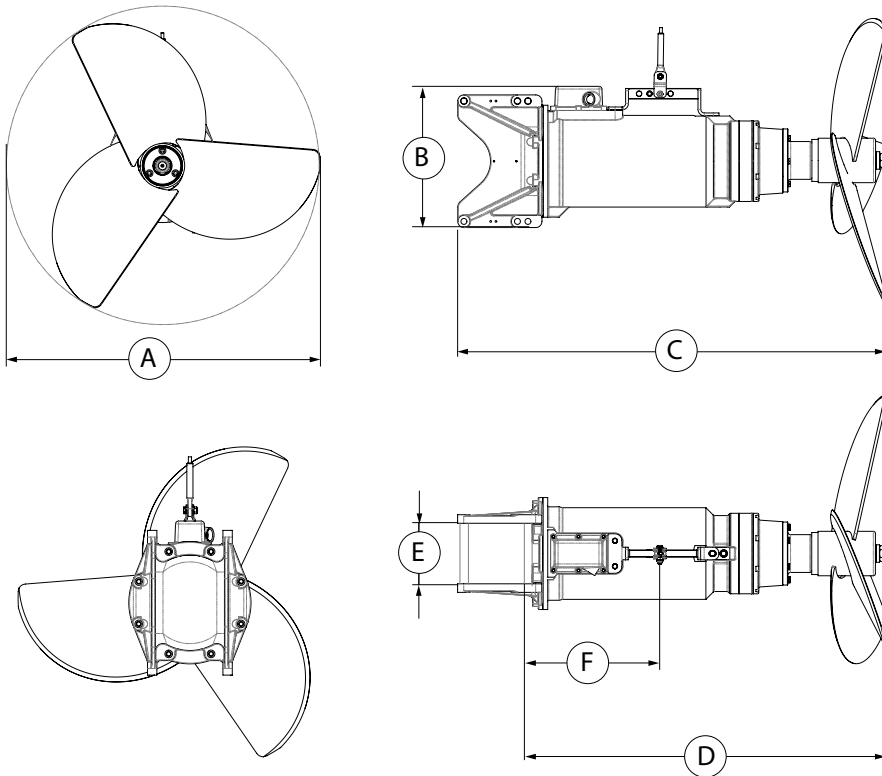
Control switch

Soft start or frequency converter



تلفن تماس: ۸ و ۸۸۳۲۴۹۳۷ - ۰۲۱
E-mail: sales@brp.co.ir

OPTIMIX 3G 250-270



نماینده‌گی ایران

تلفن تماس: ۸ و ۸۸۳۲۴۹۳۷ - ۰۲۱

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Dimensions / Weight

| Type | A [mm] | B [mm] | C max. [mm] | D [mm] | E [mm] | F [mm] | Weight approx. [kg] | |
|------------|--------|--------|-------------|--------|-----------|--------|---------------------|--|
| 3G 250-270 | 900 | 400 | 1,280 | 1,100 | 150 (120) | 370 | 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] |
|------------|------------------|-------------------|-----------------------|----------------|-------------------------|----------------------|-----------------------|-------------------------|------------------|-----------------------|------------------------------------|----------------------------------|
| 3G 250-270 | 25.0 | 400 | 46.1 | 50 | 0.86 | 5.35 | 270 | 900 | 4.5 | 3.6 | 135 | 8.080 |

Subject to technical changes

* measured in water and 1.2 m distance