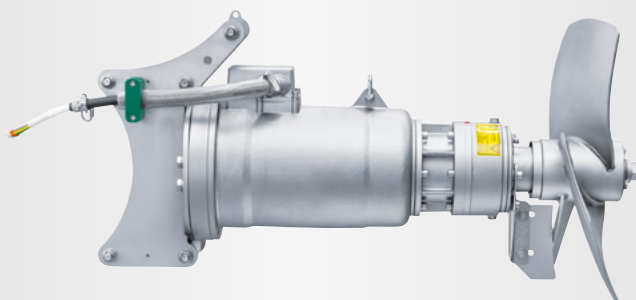


OPTIMIX

2A 40-180

2A 40-250



Application

Submersible motor
Dry matter content up to 12 %
Substrate temperature up to 55°C
pH-value 5.5 - 8.2 / optional pH-values ss316 4.5-8.2

Propeller

3-blade propeller, dynamically balanced

Optimix 2A	4 kW	propeller HD+700	180 rpm
Optimix 2A	4 kW	propeller HD+620	250 rpm

ss304, hardened ss304 or ss316

Motor

Motor power: 4.0 kW
400V, 50Hz, special tensions on request
Protection class IP 68, up to 10 m submergence
PTC thermistors for thermal protection
Separat oil chamber, 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

Gear

Flange mounted planetary gear
Reduction ratio $i = 3.83 / 5.25$
Separate oil chamber, longlife gear oil
Change oil after 10,000 operating hours

Bearing

Bearing flange with mechanical seal SiC/SiC
2 tapered roller bearings to absorb the axial forces
Shaft in hardened steel
Separat oil chamber, longlife gear oil
Accessory: POM protection to minimize abrasion

Corrosion protection

Housing and guiding unit in ss304
Optional completely manufactured in ss316

Ex zone

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

Electric Cable

Pressed cable gland, cable standard length 10 m
Cable $7 \times 4 + 4 \times 1 \text{ mm}^2 \text{ } \varnothing 20 \text{ mm}$, shielded
Resistant against biomass microbes
Strain relief 800 N

Control box

Star-delta-switch, soft start or frequency converter



نمایندگی ایران

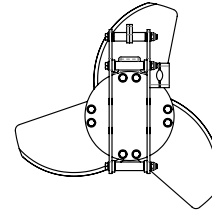
تلفن تماس: ۸ و ۸۸۳۲۴۹۳۷ - ۰۲۱

E-mail: sales@brp.co.ir

OPTIMIX

2A 40-180

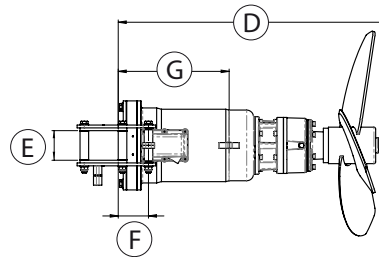
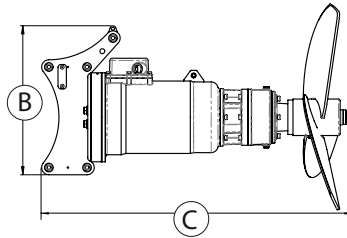
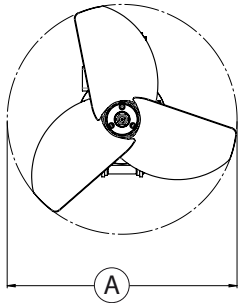
2A 40-250



نمایندگی ایران

تلفن تماس: ۸ و ۸۸۳۲۴۹۳۷ - ۰۲۱

E-mail: sales@brp.co.ir



Dimensions / Weight

Type	A [Ø in mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight approx. [kg]			
2A 40-180	700	520	1,085	890	80 / 100 / 120	105	305	170			
2A 40-250	620	520	1,050	855	80 / 100 / 120	105	305	170			

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 [m³/min]	Pumping rate [m³/h]
2A 40-180	4.0	400	8.8	50	0.77	5.25	180	700	0.85	2.0	45	2,680
2A 40-250	4.0	400	8.8	50	0.77	3.83	250	620	0.95	2.2	38	2,290

Subject to technical changes

* measured in water and 1.2 m distance