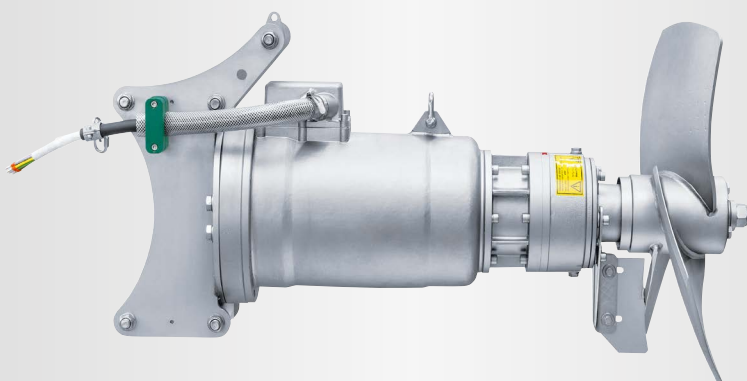




OPTIMIX

2A 150-280

2A 150-380



Application

Submersible motor for aggressive media with low pH-values
Dry matter content up to 12 %
Substrate temperature up to 52°C
pH-values 5.5 - 8.2 / optional ss316 pH-values 4.5 - 8.2

Motor

Motor power: 15.0 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

Gear

Flange mounted planetary gear
Reduction ratio $i = 5.25$ or 3.83
Longlife gear oil
Change oil after 8,000 operating hours,
or after 4,000 operating hours for 2A 150-380

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

Corrosion protection

Housing and guiding unit in ss304
Optional completely manufactured in ss316

Propeller

3-blade propeller, dynamically balanced

Optimix 2A	15 kW	propeller HD+850	280 rpm
Optimix 2A	15 kW	propeller HD+660	380 rpm

ss304, hardened ss304 or ss316

Guide mast connection

Guide mast support with 4 rollers for smooth height adjustment:
15.0 kW: 100 / 120 / 150 mm square mast
Special sizes on request

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

Ex zone

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

Control box

Soft start or frequency converter



نمایندگی ایران

تلفن تماس : ۸ و ۸۸۲۲۴۹۳۷ - ۰۲۱

E-mail : sales@brp.co.ir

نماینده

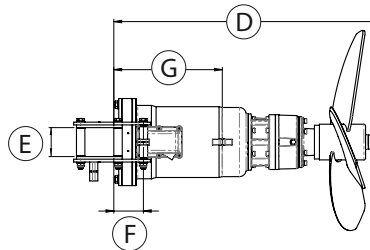
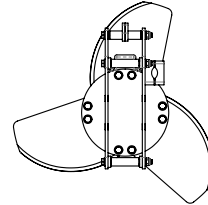
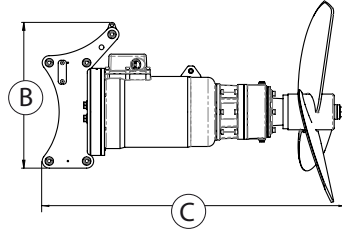
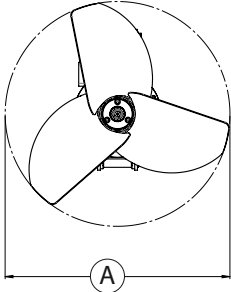
تلفن تماس : ۸ و

@brp.co.ir

OPTIMIX

2A 150-280

2A 150-380



نمایندگی ایران

تلفن تماس : ۸ و ۰۲۱ - ۸۸۳۲۴۹۳۷

E-mail : sales@brp.co.ir

Dimensions

Type	A [Ø in mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight approx. [kg]			
2A 150-280	850	520	1.195	995	100 / 120 / 150	105	385	190			
2A 150-380	660	520	1.160	960	100 / 120 / 150	105	385	190			

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 150-280	15.0	400	27	50	0.91	5.25	280	850	4.1	3.6	120	7.190
2A 150-380	15.0	400	27	50	0.91	3.83	380	660	3.1	4.1	81	4.860

Subject to technical changes

* measured in water and 1.2 m distance