

## GIANTMIX MZR LAGOON

**MZR4 150-400**

**MZR5 185-400**

### Application

Long-axis agitator for open lagoons

### Technical data

Tube length 7.0 m  
 Agitator tube  $\varnothing$  121 x 4 mm, galvanized  
 pH-value: 6.5 - 8.2  
 Stabilisation tube  
 Swivel device 360° horizontally  
 Vertical adjustment with a robust pinion rack  
 Agitator completely in modular design

### Motor

Motor power: 15 / 18.5 kW : 4-poles (IE3-motors)  
 400 V, 50 Hz, 1,470 rpm  
 PTC thermistors 160° as overheat protection

### Gear

Spur gear drive, helical teeth, low noise level  
 Reduction ratio  $i = 3.69$   
 Oil chamber, gear oil SAE85W-140 / API GL-5

### Bearing

Two tapered roller bearings to absorb the axial forces  
 Shaft seal ring, optional: mechanical seal of SiC/SiC  
 Interim bearings for the drive shaft

### Propeller

Three-blade high efficiency propeller, dynamically balanced

MZR4	15.0 kW	propeller HD+620	400 rpm
MZR5	18.5 kW	propeller HD+700	400 rpm

Galvanized, hardened steel or ss304

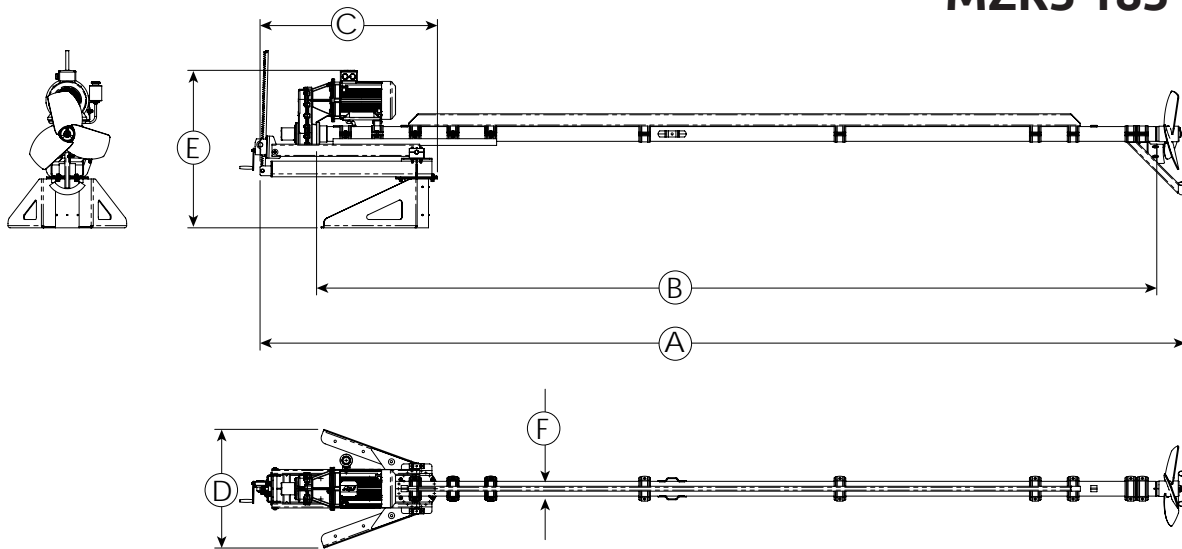
### Control box (optional)

Star-delta switch or soft start

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### Dimensions

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]					
MZR 4	7,580	6,880	1,450	970	1,290	Ø 121					
MZR 5											

### Technical data

Type	Rated Power [kW]	Rated Voltage [V]	Rated current [A]	Frequency [Hz]	Power factor cos $\phi$	Gear reduction ratio	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN]	Flow velocity [m/s] *	Pumping rate Water [m <sup>3</sup> /min]	Weight approximate [kg]
MZR 4	15.0	400	27.7	50	0.85	3.69	400	620	2.5	3.9	70	570
MZR 5	18.5	400	33.7	50	0.85	3.69	400	700	3.9	4.3	94	570

Subject to technical changes

\* measured in water and 1.2 m distance