

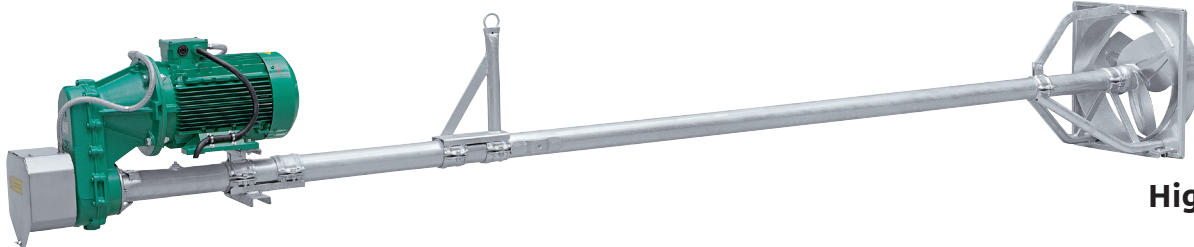


Long axis agitator Giantmix MZR

MZR3 110-400

MZR4 150-400

MZR5 185-400



**Robust
Powerful
High efficiency**

Application

For ring- and slalom channels

Bearing

2 tapered roller bearings to absorb the axial forces
Drive shaft \varnothing 50 mm with multiple interim bearing
and with both sided slip-on connection

Technical Data

Tube length 4.0 / 4.5 / 5.0 / 5.5 / 6.0 m
Agitator shaft \varnothing 101.6 x 4.0 mm galvanized
pH-values: 6.5 - 8.2
PTO with protective guard for the alternative use
with tractor
Optional guide rail with rear upstand for an easier
installation of the Giantmix
Optional oil inspection glass for monitoring the
tightness
Agitator completely manufactured in modular design

Propeller

3-blade high efficiency propeller, dynamically balanced

MZR3	11.0 kW	propeller HD 580	400 rpm
MZR4	15.0 kW	propeller MS 580	400 rpm
MZR5	18.5 kW	propeller ES 580	400 rpm

Optional galvanized, hardened steel, ss304 and
hardened ss304

Motor

11 / 15 / 18.5 kW
400 V, 50 Hz, 1,470 rpm
PTC thermistors 160° as overheat protection

Control switch (optional)

Soft start or Star-delta switch
Delivery without connection cable

Gear

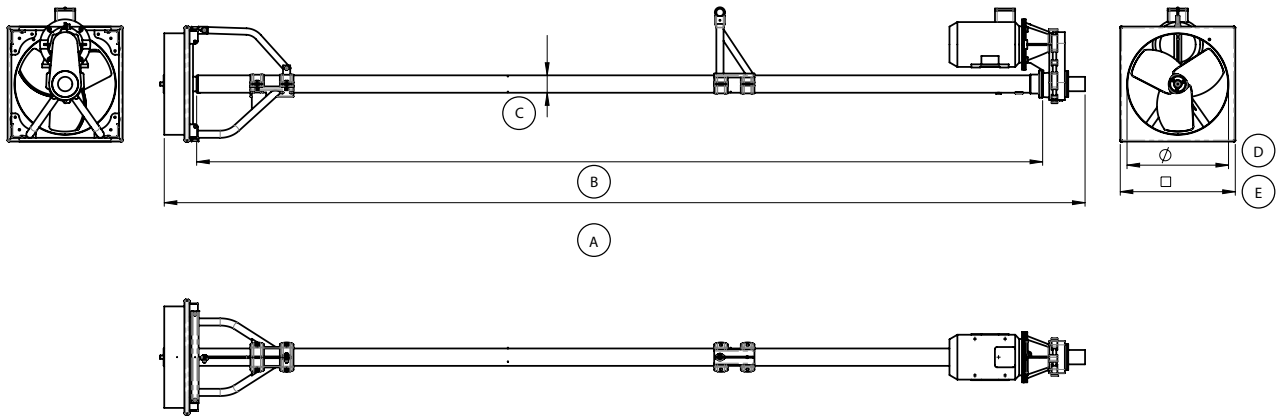
Spur gear drive, helical teeth, low noise level
Reduction ratio $i = 3.69$
Oil chamber, gear oil SAE 85W-140 / API GL-5
Oil change after 2.000 operating hours

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Dimensions												
Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]							
MZR 3	4,5 / 5,0 / 5,5 / 6,0	3,9 / 4,4 / 4,9 / 5,4	101,6	600 / 620	620 / 700							
MZR 4	4,5 / 5,0 / 5,5 / 6,0	3,9 / 4,4 / 4,9 / 5,4	101,6	600 / 620	620 / 700							
MZR 5	4,5 / 5,0 / 5,5 / 6,0	3,9 / 4,4 / 4,9 / 5,4	101,6	600 / 620	620 / 700							

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 ³ /min]	Weight approximate [kg]
MZR 3	11	400	21	50	0.87	3.69	400	580	2.2	3.5	52	330
MZR 4	15	400	27.8	50	0.86	3.69	400	580	3.0	3.6	53	330
MZR 5	18.5	400	36	50	0.83	3.69	400	580	3.3	4.0	59	330

Subject to technical changes.

* measured in water and 1.2 m distance