

## GIANTMIX Z3

### Application

Long-axis agitator for stirring in open and closed tanks  
For tractor use

### Technical data

Tube length 3.5 / 4.0 / 4.5 / 5.0 / 5.5 m  
Complete agitator length 4.6 / 5.1 / 5.6 / 6.1 / 6.6 m  
Attachment at lower control arm with jaw  
Agitator completely modular designed

### Bearings (drive side)

Standard design with drive train HY for one rotation direction  
Power-take-off (PTO) connection 1-3/8" (6-chock)  
Bearing head as own modular unit  
Lubrication by oil bath in the agitator tube  
Optional reversing gear for two rotational directions

### Bearings (propeller side)

2 tapered roller bearings to absorb the axial forces  
Sealing with shaft sealing rings, optional: mechanical sealing SiC/SiC

### Agitator tube and drive shaft

Agitator tube Ø 100 x 3 mm galvanized  
Drive shaft Ø 50 mm with multiple interim bearing and with both sided slip-on connection  
Tube ist filled with special oil ISO VG68, approx. 40 %

### Propeller

3-blade high efficiency propeller, dynamically balanced

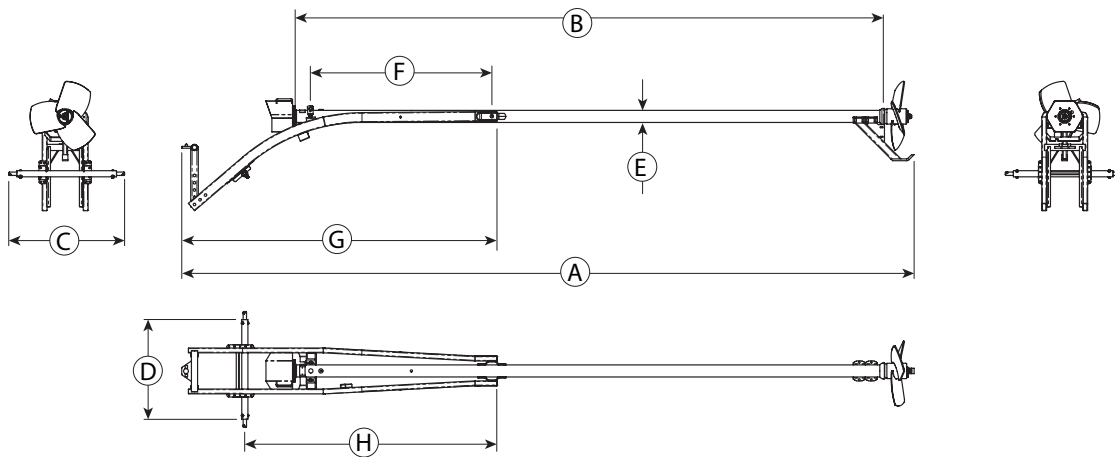
min. 60 HP (44 kW)	1,000 rpm	Propeller D/S 480
min. 80 HP (60 kW)	1,000 rpm	Propeller D/S 520
min. 100 HP (72 kW)	1,000 rpm	Propeller D/S 560
min. 120 HP (88 kW)	1,000 rpm	Propeller HD 580

Galvanized, optional hardened steel or ss304

### Accessories

Power-take-off (PTO) shaft W 2400 (L = 860)  
One-sided wide-angle PTO shaft WWE 2480 (L = 860)

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### Dimensions

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [Ø in mm]	F [mm]	G [mm]	H [mm]	Weight [kg]
Z3 (3.5m)	4,600	3,500	960	824	100	1,000	2,180	1,660	153
Z3 (4.0 m)	5,100	4,000	960	824	100	1,250	2,180	1,660	157
Z3 (4.5 m)	5,600	4,500	960	824	100	1,500	2,615	2,090	162
Z3 (5.0 m)	6,100	5,000	960	824	100	1,500	2,615	2,090	168
Z3 (5.5 m)	6,600	5,500	960	824	100	1,500	2,615	2,090	175

### Technical Data

Type	Required tractor power [HP]	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN] *	Flow velocity [m/s] *	Pumping rate water [m³/min]				
Z3 HYU   WEU	60	1,000	480	5.5	6.7	69				
Z3 HYU   WEU	80	1,000	520	7.6	6.7	80				
Z3 HYU   WEU	100	1,000	560	9.8	7.5	105				
Z3 HYU   WEU	120	1,000	580	10.5	7.5	113				

Subject to technical changes

\* Calculated via CFD simulation and validated in test basin with water

As per: 2020-09

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