

GIANTMIX Z5



Application

Long-axis agitator for agitation of open tanks and lagoons up to 6 m depth
For tractor use

Technical data

Tube length 6.0 / 7.0 / 8.0 m
Full agitator length 7.3 / 8.3 / 9.3 m
Three-point-frame (width cat. 2 / bolt Ø cat. 3) with hydraulic cylinder for vertical adjustment, max. 45°
Agitator completely modular designed
Support out of rounded tubular profil

Bearings (drive side)

Standard design with drive train HY for one rotation direction
Power-take-off (PTO) connection 1-3/4" (6-chock)
Power-take-off (PTO) connection 1-3/8" (6-chock) possible on request
Bearing head as own modular unit

Bearings (propeller side)

2 tapered roller bearings (Type 32009) to absorb the axial forces
Propeller shaft Ø 45 mm (hardened)
Sealing with mechanical sealing SiC/SiC
Lubrication by oil bath in the agitator tube
Bearing head as own modular unit

Agitator tube and drive shaft

Agitator tube Ø 159.0 x 6.3 mm galvanized
Drive shaft Ø 70 mm with multiple interim bearing and with both sided polygonal slip-on connection
Tube ist filled with special oil ISO VG68, approx. 40 %
External oil level indicator (on the drive side)

Propeller

3-blade high efficiency propeller, dynamically balanced

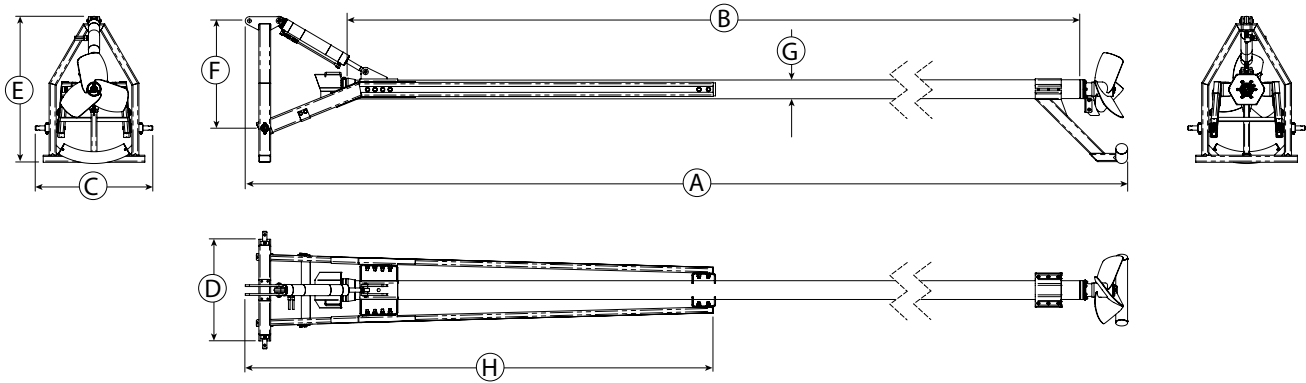
min. 136 HP (100 kW)	750 rpm	Propeller HD 660
	1,000 rpm	Propeller HD 620
min. 177 HP (130 kW)	750 rpm	Propeller HD 700
	1,000 rpm	Propeller HD 660
min. 218 HP (160 kW)	1,000 rpm	Propeller HD 700

Galvanized, optional hardened steel or ss304

Accessories

Power-take-off shaft W2600 (L = 1,210) 1-3/4" (6-chock)

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Dimensions

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [Ø in mm]	H [mm]	Weight [kg]
Z5 (6.0 m)	7,300	6,000	900	825	1,227	907	159	3,960	590
Z5 (7.0 m)	8,300	7,000	900	825	1,227	907	159	3,960	635
Z5 (8.0 m)	9,300	8,000	900	825	1,227	907	159	3,960	680

Technical Data

Type	Required tractor power [HP]	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN] *	Flow velocity [m/s] *	Pumping rate water [m ³ /min]				
Z5 HYU	136	750	660	10.6	6.7	132				
Z5 HYU	136	1,000	620	12.5	7.7	134				
Z5 HYU	177	750	700	12.1	6.7	150				
Z5 HYU	177	1,000	660	15.5	7.7	152				
Z5 HYU	218	1,000	700	17.5	7.7	172				

Subject to technical changes

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

As per: 2020-09