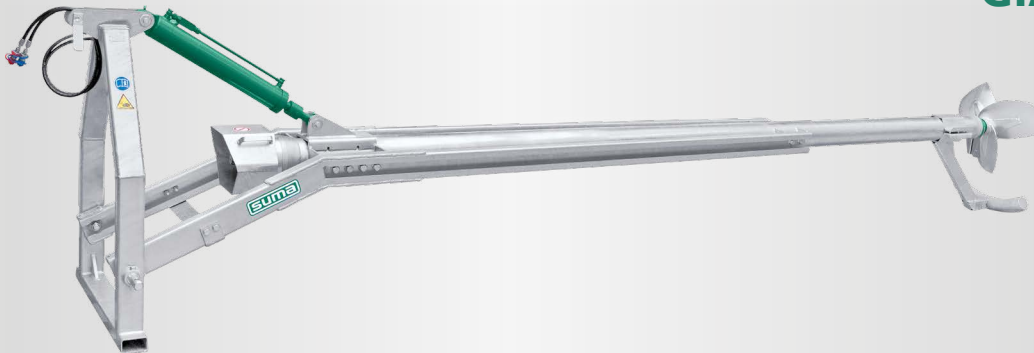


## GIANTMIX Z5



### Application

Long-axis agitator for agitation of open tanks and lagoons up to 19.7 ft depth  
For tractor use

### Technical data

Tube length 19.7 / 23.0 / 26 ft  
Full agitator length 24.0 / 27.0 / 30.5 ft  
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

### Bearing (at driving end)

Standard design with drive train HY for one rotational direction with power-take off connection 1-3/4" (6-wedge)

Bearing head as own modular unit

### Bearing (propeller sided)

2 tapered roller bearings to absorb the axial forces  
Conical shaft Ø 1.8 in (hardened)  
Sealing with mechanical seals SiC/SiC  
Lubrication by oil bath in the agitator tube  
Bearing head as own modular unit

### Agitator tube and drive shaft

Tube Ø 6.3 x 0.25 in galvanized

Drive shaft Ø 2.75 in 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 driving end)

### Propeller

3-blade high efficiency propeller, dynamically balanced

Propeller-size depends on tractor power

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

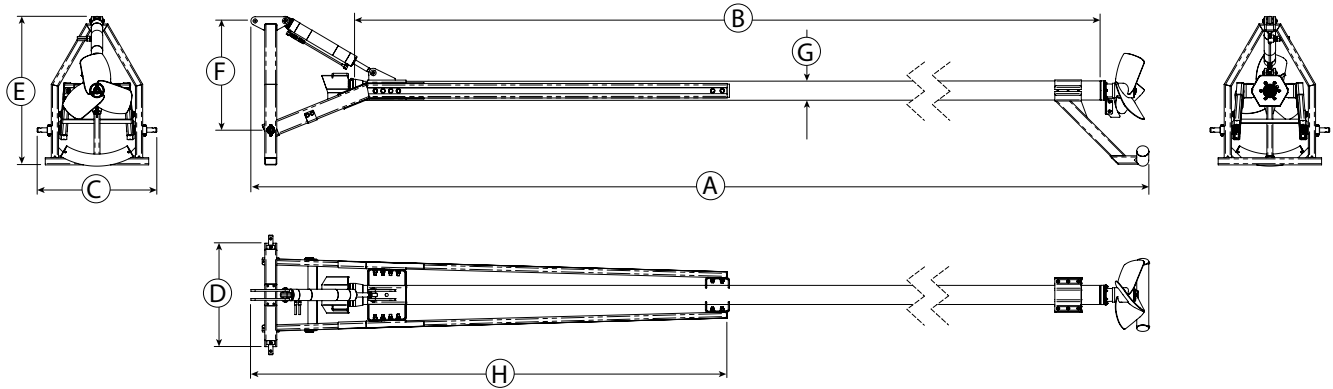
Galvanized, hardened steel or ss304

### Accessories

Cardan shaft W 2600 (L = 1,210) 1-3/4 (6-chock)



## GIANTMIX Z5



### Dimensions

Typ	A [in]	B [in]	C [in]	D [in]	E [in]	F [in]	G [in]	H [in]	Weight [lbs]
Z5 (6.0 m)	287.4	236.2	35.4	32.5	48.3	35.7	Ø 6.3	155.9	1,300
Z5 (7.0 m)	326.8	275.6	35.4	32.5	48.3	35.7	Ø 6.3	155.9	1,399
Z5 (8.0 m)	366.1	315.0	35.4	32.5	48.3	35.7	Ø 6.3	155.9	1,499

### Technical Data

Type	Required tractor power [HP]	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN] *	Flow velocity [m/s] *	Pumping rate water [m <sup>3</sup> /min]
Z5 HYU	136	750	26	2,382	21.9	34,870
Z5 HYU	136	1,000	24.5	2,810	25.3	35,398
Z5 HYU	177	750	27.6	2,720	21.9	39,625
Z5 HYU	177	1,000	26	3,484	25.3	40,153
Z5 HYU	218	1,000	27.6	3,934	25.3	45,437

Subject to technical changes

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

As per: 2023-08

© SUMA America Inc. | 2700 Patriot Blvd Suite 400 | Glenview, IL 60026  
Phone: 312.912.1961 | Email: sales@gosuma.com | www.gosuma.com