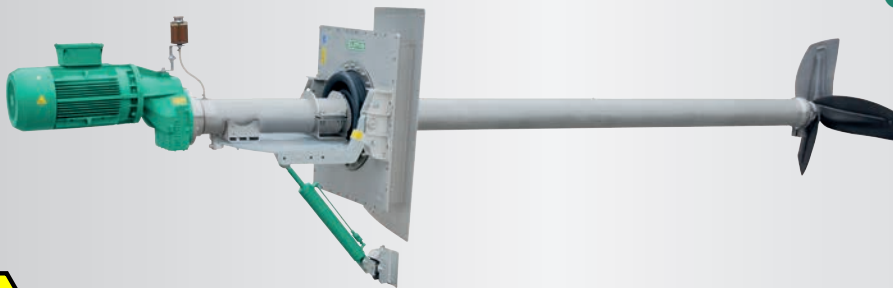


## GIANTMIX AMT LL

**AMT3 110-135**

**AMT5 185-135**




### Application

Long-axis agitator  
 Dry matter content up to 14 %  
 Substrate temperature up to 70°C  
 pH-value 6.5 - 8.5

### Technical data

Tube length 4.0 / 5.0 m  
 Tube Ø 220 x 8 mm in ss316  
 15° sealing plate 143 x 143 cm in ss304  
 ss316 version on request  
 Sound pressure level 75 dB(A)  
 Installation up to 6 m below substrate level  
 Damping system with special rubber on cylinder wall  
 bracket and in hinged brackets  
 Oil inspection glas for monitoring the tightness  
 Agitator completely manufactured in modular design

### Motor

Performance: 11 / 18.5 kW : 8 poles  
 400 V, 50 Hz, 730 rpm, special tensions on request  
 PTC thermistors 160°C as overheat protection  
 Ex-Motor  II 3G Ex nA IIA T3 Gc (ex-zone 2)

### Gear

Spur gear drive, helical teeth, low noise level  
 Reduction ratio  $i = 5.37$   
 Oil chamber, gear oil SAE 85W-140 / API GL-5  
 Oil change after 2,000 operating hours

### Bearing

Bearing housing with oil chamber  
 2 tapered roller bearings to absorb the axial forces  
 Mechanical seal SiC/SiC, independent of rotation direction  
 Interim bearings for the drive shaft

### Propeller

3-blade high efficiency propeller, dynamically balanced



AMT3	11.0 kW	propeller HD 1050	135 rpm
AMT5	18.5 kW	propeller HD 1200	135 rpm

Hardened steel or ss304

### Adjustment range

Horizontal through pivoting frame  $\pm 20^\circ$   
 Sealing plate 15° optional right/left preset  
 Vertical through hydraulic cylinder  $\pm 30^\circ$   
 Tank opening: 1,000 x 1,000 mm (Plate 143 cm)

### Ex-zone

Ex-Zone 2 (outside tank) and Zone 1 (inside tank)  
 Classification mechanical components:  
  II 2G Ex h IIA T3 Gb

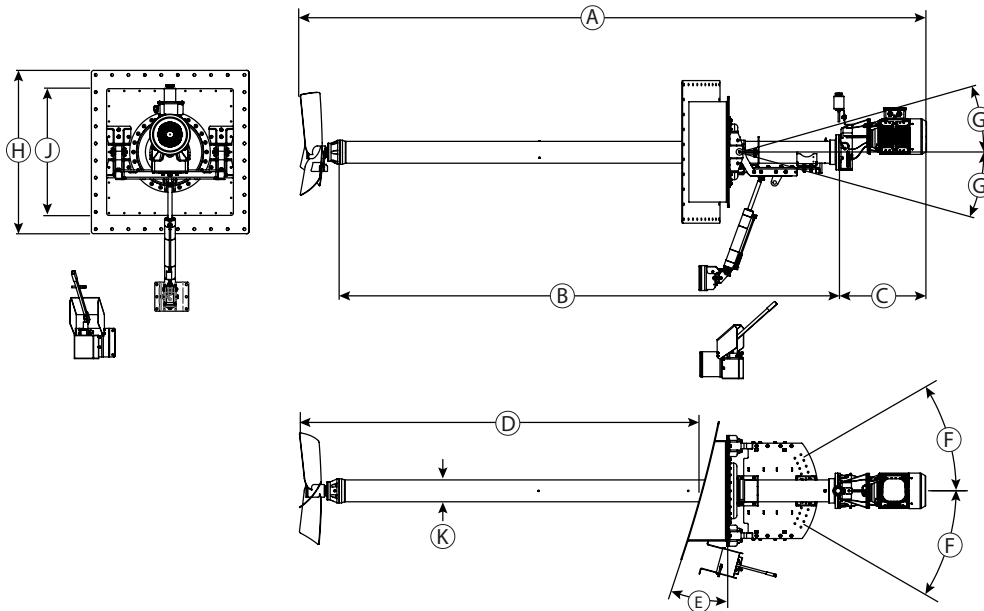
### Control box (optional)

Soft start or frequency converter

## GIANTMIX AMT LL

**AMT3 110-135**

**AMT5 185-135**



### Dimensions

Type	A [mm]	B [mm]	C [mm]	D [mm]	E [°]	F [°]	G [°]	H [mm]	J [mm]	K [mm]
AMT 3 / 5	5,265	4,000	900	2,970	15°	20°	30°	1,430	990	220
	/	/		/				x		
	6,265	5,000		3,970				1,430	990	

### Technical data

Type	Rated power [kW]	Rated Voltage [V]	Rated current [A]	Frequency [Hz]	Power factor cos φ	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]
AMT 3	11.0	400	26.5	50	0.70	5.37	135	1,050	4.0	1.9	90	1,300
AMT 5	18.5	400	38.0	50	0.79	5.37	135	1,200	4.4	2.0	135	1,300

Subject to technical changes

\* measured in water and 1.2 m distance