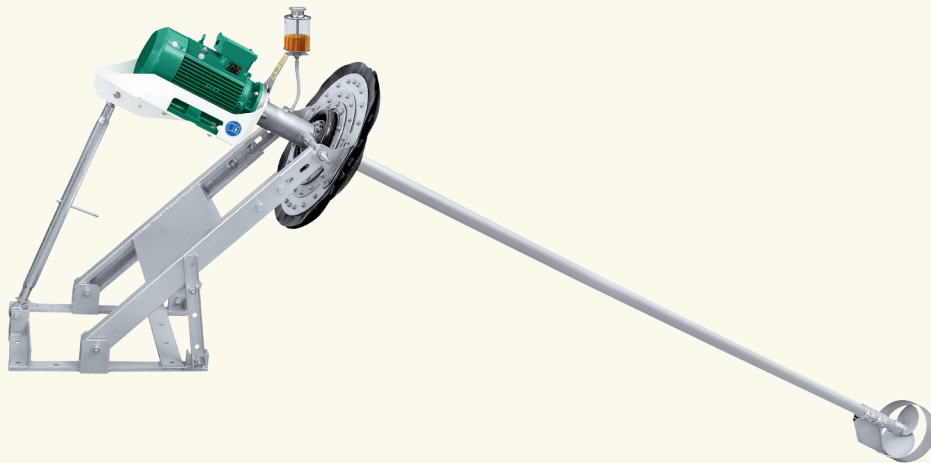


# Rekordmix B1



Type Rekordmix B1 - 5.5 HP

Powerful  
High efficiency  
Low cost maintenance

## Application

Biogas digester (Lagoon)  
Dry matter content up to 12 %  
Substrate temperature up to 70°C  
pH-values 6.5 - 8.2

## Technical Data

Tube length 12.3 / 14 ft  
Safety ring  
Oil inspection glass as a service indicator for monitoring the impermeability  
Sound pressure level 72 dB(A)

## Motor

5.5 hp  
460 V, 60 Hz  
Temperature sensor 3 x PTC 160°C (overload protection)  
Ex-Motor (Series) II 3G Ex nA IIA T3 Gc

## Bearing

2 tapered roller bearings for thrust  
Mechanical seals SiC/SiC  
Interim bearings for the drive shaft

## Tube

Tube  $\varnothing$  2.75 x 0.1 in in ss304  
Slip-on shaft  $\varnothing$  0.8 in with intermediate storage and two-sided plug connection  
Tube is completely filled with sealing oil ISO VG68

## Propeller

2-bladed propeller with safety ring  
B1: 5.5 hp / propeller L2 (275 mm / 18.8 in) / 1150 rpm  
Optional galvanized and ss304

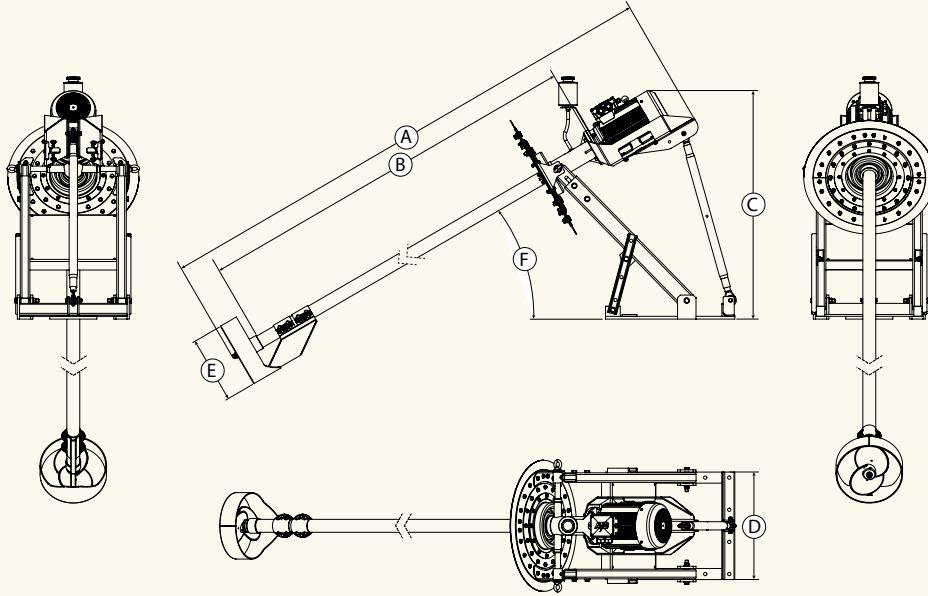
## Ex-Zone (Tube)

Ex-zone 2 (outside the tank) and zone 1 (inside the tank)  
Classification mechanical components  
 II 2G ck IIA T4

## Control Switch (optional)

soft start - frequency converter  
Delivery without connecting cable

# Rekordmix B1



Dimensions									
Type	A [in]	B [in]	C [in]	D [in]	E [in]	F			
B1	173 / 193	145 / 165	49	28.5	11	30°			

Technical Data											
Type	Rated Power [hp]	Rated Voltage [VΔ]	Rated Current [AΔ]	Frequency [Hz]	Propeller speed [rpm]	Propeller diameter [in]	Axial force [kN]	Flow velocity [ft/s]	Pumping rate Water [gal/min]	Weight approximate [lbs]	
B1	5.5	460	6	60	1150	11	0.43	42	3170	452	

Subject to technical changes

\*measured in water with a distance of 3.9 ft