

I Applications

This is a range of vertical, direct motor-driven agitators. They can be used in processes of mixing, dissolution, dispersion, and maintenance whenever strong, high-speed stirring is required in the food-processing, cosmetics, pharmaceutical or chemical industries. They can be fitted to tanks of up to 1,500 liters, typically with low-viscosity products.

I Operating principles

These agitators can be installed inside the tank either centrally with current deflectors, or offset so that the offsetting itself prevents the rotation of the stirred material. The principle of operation depends on the type of propeller used.

I Design and features

- Vertical agitators
- Packing through V-ring and retainer
- Bearing support
- Propeller attached to shaft and shaft attached to half-shaft by Allen setbolts.
- Standard electropolished surface finishing
- IEC B14 engine, 1500 RPM, IP 55, F-class insulation
- Max. power 0.75 kW
- Lyneflux propeller

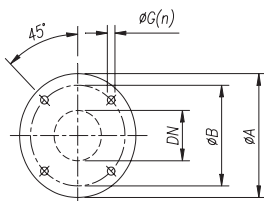
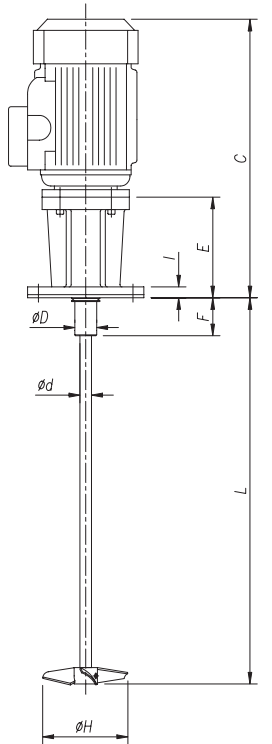
I Materials

Parts in contact with pumped media:	AISI 316L
V-ring and retainer	NBR
Bearing support	Aluminum

I Options

- Serrated turbine
- Sealing through double/cooled mechanical seal
- V-ring and retainer in FPM
- One-piece shaft
- Welded propeller and Ra<0.4 surface finishing
- Motor shroud
- Motors with additional protection
- 950 rpm and 750 rpm motors
- Gearbox drive or speed-selector drive
- Pneumatic drive
- Shafts lined with plastic material for use with corrosive materials





Agitator base



Agitator type		BCI 1.18-4007-1-100		BCI 1.18-4007-1-130		BCI 1.18-4007-1-150		BCI 1.18-6005-1-130		BCI 1.18-6005-1-150	
		Motor Power		Speed		Capacity [H ₂ O]		Dimensions		Agitator shaft	
Motor Power		[Kw]		0,75		0,55					
Speed		[r/min]		1415		940					
Capacity [H ₂ O]		[m ³]		0,1 0,6	0,2 0,8	0,4 1,5	0,1 0,7	0,15 1			
Dimensions		A		160							
		B		130							
		C		360							
		D		30							
		E		130							
		F		50							
		G		10,5 (4)							
		I		14							
DN		65									
Agitator shaft		Ø d		16							
		L máx.		1250							
Type	18	Lineflux	Ø H	100	130	150	130	150			
Weight		[Kg]		16,5	16,5	16,5	17	17			

