

GENERAL DESCRIPTION

Centrifugal turbine agitator exclusively designed by ITC for properly agitation of watery solutions or lower viscosity liquids.

High rotation speed (1500 rpm)

Dismountable cylindrical turbine in P.P. perfectly balanced, and without edges for greater security.

Direct transmission shaft in stainless steel.

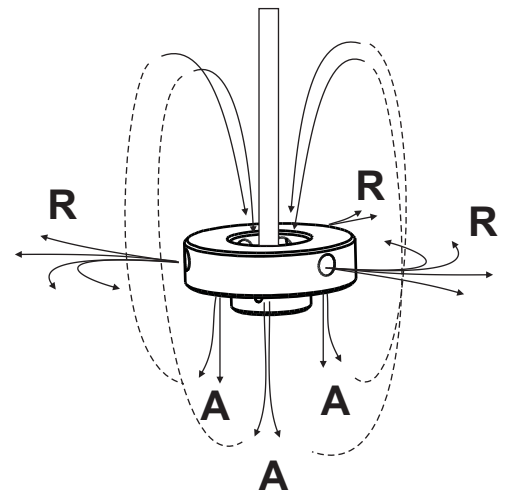
Three phase, single phase and DC motors available.

DOUBLE ACTION CENTRIFUGAL TURBINE

3 long distance radial jets (R), with sweeping effect around the turbine to produce the rotation of liquid.

3 axial jets (A) to stir the bottom and create a vertical stream.

The combination of the radial and axial jets transmit the rotation of liquid to the whole height of the tank, keeping the stream from the bottom to the surface.



AGITATOR 0.6m: TECHNICAL FEATURES



AG 010

CODE



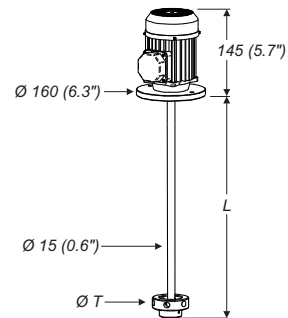
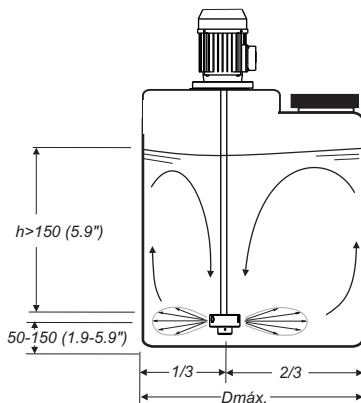
70 - P B - C 0620 - T06 P

Material	P: PP, AISI304
Turbine	T06: Ø 60
Length	0620 mm
Ø Shaft	C: Ø 15 mm
Support	B: Flange
Motor	P: 3ph 67W T56 Q: 1ph 50Hz 67W T56

MODELS

		Code	Motor		Dimensions				Agitation			
			Watts	rpm	L mm in	Ø T mm in	Ø Dmax m in	Volume m3 gal	Flow m3/h gpm			
	3ph 50Hz	70-PB-C0620-T06P	67	1400	620 24.5	60 2.3	0.5 20	0.15 40	1.1 4.8			
	3ph 60Hz	70-PB-C0620-T06P	80	1650	620 24.5	60 2.3	0.6 23	0.2 52	1.4 6			
	1ph 50Hz	70-QB-C0620-T06P	67	1400	620 24.5	60 2.3	0.5 20	0.15 40	1.1 4.8			

DIMENSIONS



MATERIALS

Turbine	PP
Shaft	AISI 304 / PE
Screws	AISI 304
Flange	PP

MOTOR

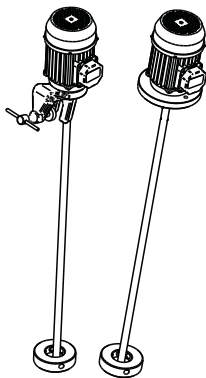
	3ph
Power	67W (0,09Hp)
Voltage	230V - 430V
Current	0.8A - 0.45A
Frequency	50Hz - 60Hz
r.p.m	1400 - 1650
Protection	IP-55
Class	F
Frame	T56 B14

AGITATOR 1.0-1.3 m : TECHNICAL FEATURES



AG 012

CODE



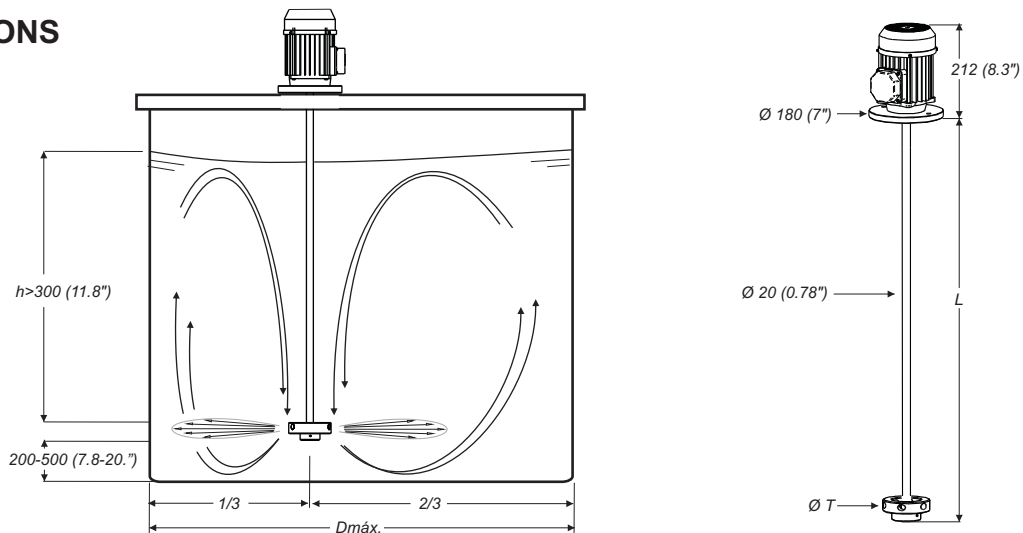
70 - A B - B 1300 - T13 P

Material	P: PP, AISI304
Turbine	T13: Ø 150 (50Hz) T12: Ø 130 (60Hz) T11: Ø 113 (300W)
Length	1300 mm 1000 mm
Ø Shaft	B: Ø 20 mm
Support	B: Flange P: Clamp
Motor	A: 3ph 370w 1500rpm B: 1ph 50Hz 370w 1500rpm C: 1ph 60Hz 370w 1500rpm E: 12VDC 300W T71

MODELS

		Code	Motor		Dimensions				Agitation			
			Watts	rpm	L mm in	Ø T mm in	Ø Dmax m in	Volume m3 gal	Flow m3/h gpm			
		3ph 50Hz	70-A_-B1300-T13P	370	1400	1300 51	130 5.1	1.5 59	3 800	6.5 28		
			70-A_-B1000-T13P	370	1400	1000 39	130 5.1	1.5 59	2.3 600	6.5 28		
		3ph 60Hz	70-A_-B1300-T12P	444	1650	1300 51	120 4.7	1.5 59	3 800	5 22		
			70-A_-B1000-T12P	444	1650	1000 39	120 4.7	1.5 59	2.3 600	5 22		
		1ph 50Hz	70-B_-B1300-T13P	370	1400	1300 51	130 5.1	1.5 59	3 800	6.5 28		
			70-B_-B1000-T13P	370	1400	1000 39	130 5.1	1.5 59	2.3 600	6.5 28		
		1ph 60Hz	70-C_-B1300-T12P	444	1650	1300 51	120 4.7	1.5 59	3 800	5 22		
			70-C_-B1000-T12P	444	1650	1000 39	120 4.7	1.5 59	2.3 600	5 22		
		12VDC	70-E_-B1300-T11P	300	1400	1300 51	113 4.4	1.2 42	1.8 500	3.8 17		
			70-E_-B1000-T11P	300	1400	1000 39	113 4.4	1.2 42	1.5 400	3.8 17		

DIMENSIONS



MATERIALS

Turbine	PP
Shaft	AISI 304 / PE
Screws	AISI 304
Flange	PP

MOTOR

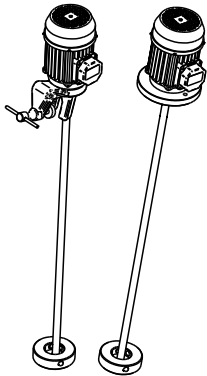
	3ph	12VDC
Power	370W (0,5Hp)	300W (0,4Hp)
Voltage	230V - 430V	12VDC
Current	1.9A - 1.1A	25A
Frequency	50Hz-60Hz	
r.p.m	1400 - 1650	1400
Protection	IP-55	IP-20
Class	F	B
Frame	T71 B14	T71 B14

AGITATOR 1.1m: TECHNICAL FEATURES



AG 011

CODE



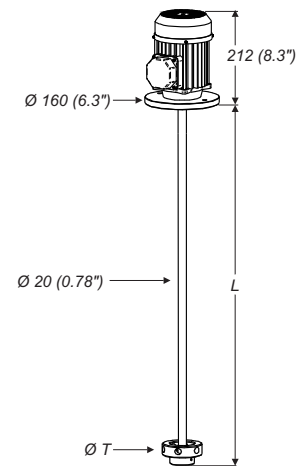
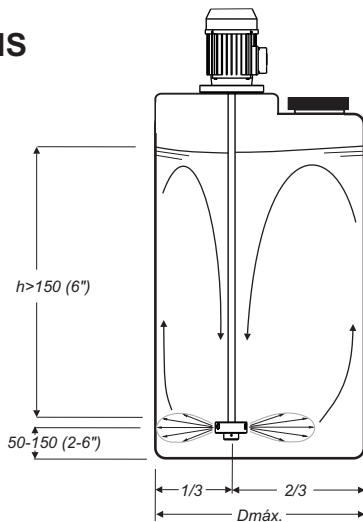
70 - J B - A 1100 - T09 P

Material	P: PP, AISI304
Turbine	T09: Ø 90
Length	1100 mm
Ø Shaft	B: Ø 20 mm
Support	B: Flange P: Clamp
Motor	J: 3ph 185W T63 K: 1ph 50Hz185W T63 D: 12VDC 130W T71

MODELS

		Code	Motor		Dimensions				Agitation					
			Watts	rpm	L mm	in	Ø T mm	in	Ø Dmax m	in	Volume m3	gal	Flow m3/h	gpm
 Flange	3ph 50Hz	70-JB-B1100-T09P	185	1400	1100	43	90	3.5	0.8	31	0.6	160	1.6	7
	3ph 60Hz	70-JB-B1100-T09P	222	1650	1100	43	90	3.5	0.9	35	0.8	210	2	8.8
	1ph 50Hz	70-KB-B1100-T09P	185	1400	1100	43	90	3.5	0.8	31	0.6	160	1.6	7
	12VDC	70-DB-B1100-T09P	130	1400	1100	43	90	3.5	0.8	31	0.6	160	1.6	7
 Clamp	12VDC	70-DB-P1100-T09P	130	1400	1100	43	90	3.5	0.8	31	0.6	160	1.6	7

DIMENSIONS



MATERIALS

Turbine	PP
Shaft	AISI 304 / PE
Screws	AISI 304
Flange	PP

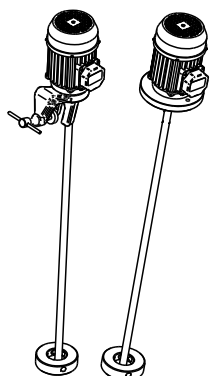
MOTOR

	3ph	12VDC
Power	185W (0,25Hp)	130W(0,17Hp)
Voltage	230V - 430V	12V DC
Current	1.5A - 0,9A	15A
Frequency	50Hz-60Hz	
r.p.m	1400 - 1650	1400
Protection	IP-55	IP-20
Class	F	B
Frame	T63 B14	T71 B14

AGITATOR 1.5m: TECHNICAL FEATURES

AG 013

CODE



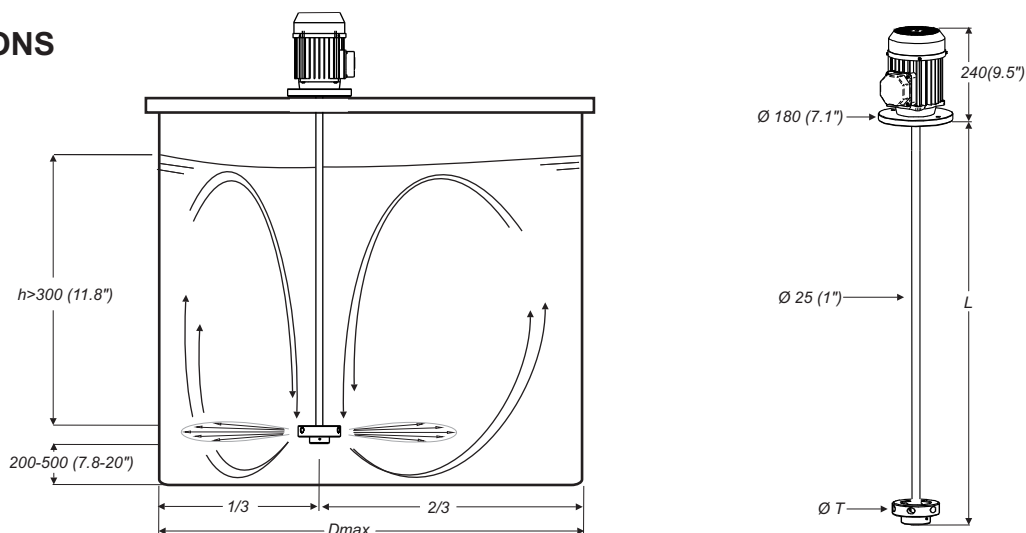
70 - L B - A 1500 - T15 P

Material	P: PP, AISI304
Turbine	T15: Ø 150 (50Hz) T13: Ø 130 (60Hz)
Length	1500 mm
Ø Shaft	A: Ø 25 mm
Support	B: Flange P: Clamp
Motor	L: 3ph 750w 1500rpm M: 1ph 50Hz 750w 1500rpm N: 1ph 60Hz 750w 1500rpm

MODELS

	Code	Motor		Dimensions				Agitation			
		Watts	rpm	L mm in	Ø T mm in	Ø Dmax m in	Volume m ³ gal	Flow m ³ /h gpm			
 Flange	3ph 50Hz	70-LB-A1500-T15P	750	1400	1500 59	150 5.9	2.7 106	10 2600	8.3 36.5		
	3ph 60Hz	70-LB-A1500-T13P	900	1650	1500 59	130 5.1	2.7 106	10 2600	8.0 35.2		
	1ph 50Hz	70-MB-A1500-T15P	750	1400	1500 59	150 5.9	2.7 106	10 2600	8.3 36.5		
	1ph 60Hz	70-NB-A1500-T13P	900	1650	1500 59	130 5.1	2.7 106	10 2600	8.0 35.2		
 Clamp	3ph 50Hz	70-LP-A1500-T15P	750	1400	1500 59	150 5.9	2.7 106	10 2600	8.3 36.5		
	3ph 60Hz	70-LP-A1500-T13P	900	1650	1500 59	130 5.1	2.7 106	10 2600	8.0 35.2		
	1ph 50Hz	70-MP-A1500-T15P	750	1400	1500 59	150 5.9	2.7 106	10 2600	8.3 36.5		
	1ph 60Hz	70-NP-A1500-T13P	900	1650	1500 59	130 5.1	2.7 106	10 2600	8.0 35.2		

DIMENSIONS



MATERIALS

Turbine	PP
Shaft	AISI 304 / PE
Screws	AISI 304
Flange	PP

MOTOR (3ph)

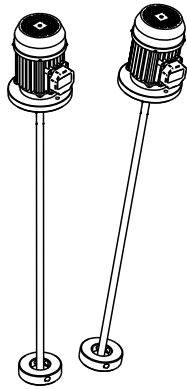
Power	750W (1Hp)
Voltage	230V - 430V
Current	3.4A - 2A
Frequency	50Hz-60Hz
r.p.m	1400 - 1650
Protection	IP-55
Class	F
Frame	T80 B14

AGITATOR 1.5-2.0m: TECHNICAL FEATURES



AG 014

CODE



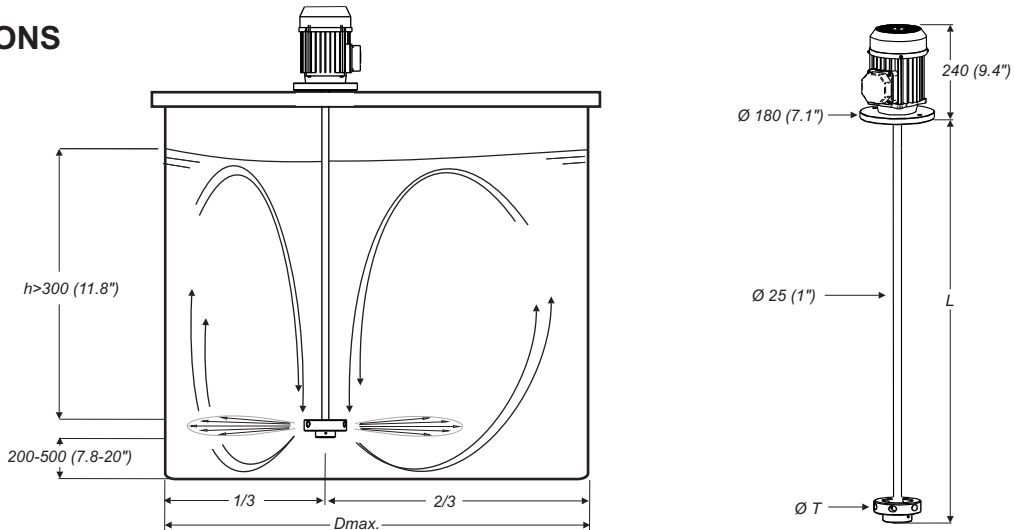
70 - S B - A 1800 - T18 P

Material	P: PP, AISI304
Turbine	T18: Ø 180 (50Hz) T15: Ø 150 (60Hz)
Length	2000 mm 1800 mm 1500 mm
Ø Shaft	A: Ø 25 mm
Support	B: Flange
Motor	S: 3ph 550w 1000rpm T: 1ph 550w 1000rpm

MODELS

	Code	Motor		Dimensions				Agitation			
		Watts	rpm	L mm in	Ø T mm in	Ø Dmax m in	Volume m3 gal	Flow m3/h gpm			
Flange 	3ph 50Hz	70-SB-A2000-T18P	550	950	2000 78.7	180 7.1	1.9 75	7.0 1800	8.3 36.5		
		70-SB-A1800-T18P			1800 70.9			6.0 1600			
		70-SB-A1500-T18P			1500 59			5.0 1300			
	3ph 60Hz	70-SB-A2000-T15P	660	1100	2000 78.7	150 5.9	1.6 63	5.0 1200	8.0 35.2		
		70-SB-A1800-T15P			1800 70.9			4.0 1100			
		70-SB-A1500-T15P			1500 59			3.5 950			
	1ph 50Hz	70-TB-A2000-T18P	550	950	2000 78.7	180 7.1	1.9 75	7.0 1800	8.3 36.5		
		70-TB-A1800-T18P			1800 70.9			6.0 1600			
		70-TB-A1500-T18P			1500 59			5.0 1300			

DIMENSIONS



MATERIALS

Turbine	PP
Shaft	AISI 304 / PE
Screws	AISI 304
Flange	PP

MOTOR (3ph)

Power	550W (0,75Hp)
Voltage	230V - 430V
Current	3.0A - 1,8A
Frequency	50Hz-60Hz
r.p.m	950 - 1100
Protection	IP-55
Class	F
Frame	T80 B14