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A and B Series Economy Batch Mixers

1,750 rpm Direct Drive, Clamp Mount

The economy line of small direct drive mixers for small batches of low viscosity fluids.

MODEL	STANDARD MOTOR DESCRIPTION	DIMENSIONS INCHES (MM)	
		SHAFT LENGTH	SHAFT DIAMETER
TOTALLY-ENCLOSED FAN-COOLED (TEFC)			
A-1.0	1/4 HP-1-115	32 (812.8)	1/2 (12.7)
B-1.0	1/4 HP-1-115/230	32 (812.8)	1/2 (12.7)
B-2.0	1/3 HP-1-115/230	32 (812.8)	1/2 (12.7)
B-3.0	1/2 HP-1-115/230	32 (812.8)	5/8 (15.9)
B-3.2	1/2 HP-3-230/460	32 (812.8)	5/8 (15.9)
EXPLOSION-PROOF CLASS 1 GROUP D (EP)			
B-3.1	1/2 HP-1-115/230	32 (812.8)	5/8 (15.9)
AIR MOTOR			
B-4.0	1/4 HP TO 1/2 HP AIR	35 (889.0)	5/8 (15.9)

To develop 1/4 HP at 1,725 rpm requires 10 cfm (0.28 cmm) at 45 psi (3.1 bar)
 1/3 HP at 1,725 rpm requires 14 cfm (0.40 cmm) at 60 psi (4.1 bar)
 1/2 HP at 1,725 rpm requires 18 cfm (0.51 cmm) at 80 psi (5.5 bar)

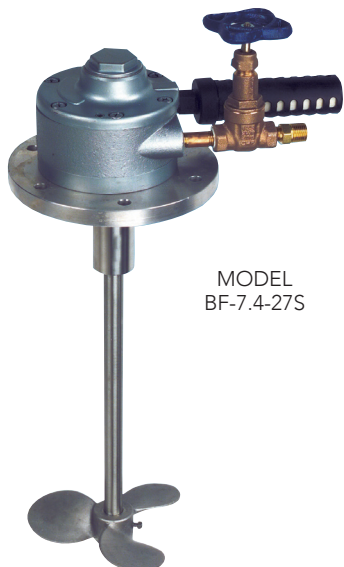
FEATURES AND BENEFITS

- Universal motor mount accepts 48 and 56 frame foot-mounted motors
- Motors are available in TEFC or explosion-proof enclosures. Air motors also available
- Off-the-shelf delivery
- Shaft and prop 316SS
 - PVC coating available
- Clamp adjusts to any angle



MODEL B-1.0

MODEL B-4.0



MODEL BF-7.4-27S

BF Series Direct Drive Air Mixer

Flange Mount

The Neptune flange-mounted, air-driven mixer utilizes a 316SS shaft and 316SS marine propellers.

Single propeller models have one left-hand propeller pumping downward in normal operation.

Dual propeller models have one each left-hand and right-hand propellers providing counterflow mixing.

Air control valve included to allow speed adjustment. Motor may be stalled without damage.

MODEL	MOTOR HORSEPOWER	DIMENSIONS INCHES (MM)				
		MOUNTING FLANGE	SHAFT DIAMETER	SHAFT LENGTH	PROPELLER SIZE SINGLE	PROPELLER SIZE DUAL*
BF-5.4-15S	1 HP AIR MOTOR	6 (152.4)	5/8 (15.9)	15 (381.0)	6 (152.4)	6 (152.4)
BF-5.4-27S	1 HP AIR MOTOR	6 (152.4)	5/8 (15.9)	27 (685.8)	6 (152.4)	6 (152.4)
BF-5.4-48S	1 HP AIR MOTOR	6 (152.4)	5/8 (15.9)	48 (1,219.2)	6 (152.4)	6 (152.4)
BF-7.4-27S	2 HP AIR MOTOR	7 (177.8)	3/4 (19.1)	27 (685.8)	8 (203.2)	8 (203.2)
BF-7.4-48S	2 HP AIR MOTOR	7 (177.8)	3/4 (19.1)	48 (1,219.2)	8 (203.2)	8 (203.2)
BF-7.4-60S	2 HP AIR MOTOR	7 (177.8)	3/4 (19.1)	60 (1,524.0)	8 (203.2)	8 (203.2)
BF-8.4-27S	3 HP AIR MOTOR	7 (177.8)	1 (25.4)	27 (685.8)	10 (254.0)	10 (254.0)
BF-8.4-48S	3 HP AIR MOTOR	7 (177.8)	1 (25.4)	48 (1,219.2)	10 (254.0)	10 (254.0)
BF-8.4-60S	3 HP AIR MOTOR	7 (177.8)	1 (25.4)	60 (1,524.0)	10 (254.0)	10 (254.0)

Air set not included. Order P/N 100804 for complete air set consisting of regulator, filter and lubricator.

* To specify dual props: change "S" in Model Number to "D".

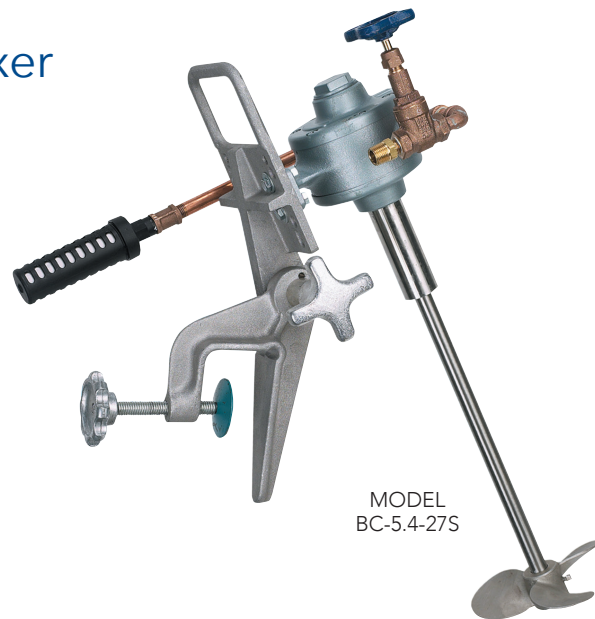
Air Consumption: 1 HP - 16 cfm (0.45 cmm) at 70 psi (4.8 bar)
 2 HP - 20 cfm (0.57 cmm) at 70 psi (4.8 bar)
 3 HP - 30 cfm (0.85 cmm) at 70 psi (4.8 bar)

BC Series Direct Drive Air Mixer

Clamp Mount

The Neptune BC Series clamp-mounted, air-driven mixer that uses a 316SS shaft and 316SS marine propellers.

Knob allows clamp to be loosened without tools to adjust shaft angle. Handle allows firm grip on mixer when positioning. Three blade, left-hand marine propellers pump downward in normal operation. Air control valve included to allow speed adjustment. Motor may be stalled without damage.



MODEL
BC-5.4-27S

MODEL	MOTOR HORSEPOWER	DIMENSIONS INCHES (MM)			
		SHAFT DIAMETER	SHAFT LENGTH	PROPELLER SIZE SINGLE	PROPELLER SIZE DUAL*
BC-5.4-27S	1 HP AIR MOTOR	5/8 (15.9)	27 (685.8)	6 (152.4)	6 (152.4)
BC-5.4-36S	1 HP AIR MOTOR	5/8 (15.9)	36 (914.4)	6 (152.4)	6 (152.4)
BC-5.4-48S	1 HP AIR MOTOR	5/8 (15.9)	48 (1,219.2)	6 (152.4)	6 (152.4)
BC-7.4-27S	2 HP AIR MOTOR	3/4 (19.1)	27 (685.8)	8 (203.2)	N/A
BC-7.4-36S	2 HP AIR MOTOR	3/4 (19.1)	36 (914.4)	8 (203.2)	8 (203.2)
BC-7.4-48S	2 HP AIR MOTOR	3/4 (19.1)	48 (1,219.2)	8 (203.2)	8 (203.2)
BC-7.4-60S	2 HP AIR MOTOR	3/4 (19.1)	60 (1,524.0)	8 (203.2)	8 (203.2)

Air set not included. Order P/N 100804 for complete air set consisting of regulator, filter and lubricator.

* To specify dual propellers: change "S" in Model Number to "D".

Air Consumption: 1 HP - 16 cfm (0.45 cmm) at 70 psi (4.8 bar)
 2 HP - 20 cfm (0.57 cmm) at 70 psi (4.8 bar)