



Missouri Filter & Process Equipment Co
 MOFILCO-Quality, Value, Service
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JD Series Direct Drive Mixer

Clamp or Cup Plate Mount 1,750 rpm, Grease Lube

Engineered to meet the need for a large direct-drive mixer with a housing that cannot leak oil.

MODEL	STANDARD MOTOR DESCRIPTION	DIMENSIONS INCHES (MM)				
		A SHAFT LENGTH	B	C		D SHAFT DIAMETER
				SINGLE	DUAL	
TOTALLY-ENCLOSED, FAN-COOLED (TEFC)						
JD-2.0	1/3 HP-1-115/230	36 (914.4)	21-1/8 (536.6)	4 (101.6)	4 (101.6)	3/4 (19.1)
JD-2.1	1/3 HP-3-230/460	36 (914.4)	20-3/4 (527.1)	4 (101.6)	4 (101.6)	3/4 (19.1)
JD-3.0	1/2 HP-1-115/230	48 (1,219.2)	22 (558.8)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-3.1	1/2 HP-3-230/460	48 (1,219.2)	21-1/8 (536.6)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-4.0	3/4 HP-1-115/230	48 (1,219.2)	22-1/4 (565.2)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-4.1	3/4 HP-3-230/460	48 (1,219.2)	21-1/2 (546.1)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-5.1	1 HP-3-230/460	60 (1,524.0)	21-3/4 (552.5)	6 (152.4)	5 (127.0)	1 (25.4)
JD-6.1	1-1/2 HP-3-230/460	60 (1,524.0)	22-1/4 (565.2)	6 (152.4)	5 (127.0)	1 (25.4)
JD-7.1	2 HP-3-230/460	60 (1,524.0)	23-1/2 (596.9)	7 (177.8)	6 (152.4)	1 (25.4)
EXPLOSION-PROOF CLASS 1 GROUP D (EP)						
JD-2.2	1/3 HP-1-115/230	36 (914.4)	24 (609.6)	4 (101.6)	4 (101.6)	3/4 (19.1)
JD-2.3	1/3 HP-3-230/460	36 (914.4)	20-3/4 (527.1)	4 (101.6)	4 (101.6)	3/4 (19.1)
JD-3.2	1/2 HP-1-115/230	48 (1,219.2)	24-1/2 (622.3)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-3.3	1/2 HP-3-230/460	48 (1,219.2)	23-1/8 (587.4)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-4.2	3/4 HP-1-115/230	48 (1,219.2)	25 (635.0)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-4.3	3/4 HP-3-230/460	48 (1,219.2)	23-1/8 (587.4)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-5.3	1 HP-3-230/460	60 (1,524.0)	24 (609.6)	6 (152.4)	5 (127.0)	1 (25.4)
JD-6.3	1-1/2 HP-3-230/460	60 (1,524.0)	24 (609.6)	6 (152.4)	5 (127.0)	1 (25.4)
JD-7.3	2 HP-3-230/460	60 (1,524.0)	25-1/2 (647.7)	7 (177.8)	6 (152.4)	1 (25.4)
AIR MOTOR						
JD-3.4	1/3 HP TO 1/2 HP AIR REQUIREMENTS: 12-20 CFM (0.34-0.57 CMM) AT 40-80 PSI (2.8-5.5 BAR)	48 (1,219.2)	16-1/2 (419.1)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-4.4	3/4 HP AIR REQUIREMENTS: 30 CFM (0.85 CMM) AT 60 PSI (4.1 BAR)	48 (1,219.2)	17-3/8 (441.3)	5 (127.0)	4 (101.6)	3/4 (19.1)
JD-5.4	1 HP AIR REQUIREMENTS: 40 CFM (1.13 CMM) AT 40 PSI (2.8 BAR)	60 (1,524.0)	18-1/2 (469.9)	6 (152.4)	5 (127.0)	1 (25.4)
JD-6.4	1-1/2 HP AIR REQUIREMENTS: 55 CFM (1.56 CMM) AT 60 PSI (4.1 BAR)	60 (1,524.0)	18-1/2 (469.9)	6 (152.4)	5 (127.0)	1 (25.4)
JD-7.4	2 HP AIR REQUIREMENTS: 65 CFM (1.84 CMM) AT 75 PSI (5.1 BAR)	60 (1,524.0)	18-1/2 (469.9)	7 (177.8)	6 (152.4)	1 (25.4)

FEATURES AND BENEFITS

- Square-pitch 1:1 ratio marine propellers are used exclusively. Flow coefficients and power consumption characteristics equal those of the best hydrofoil impeller designs
- 316SS propellers and shafts are standard. PVC coating available
- JD mixers have adjustable angles of entry by indexed ball-and-socket design to achieve different process results
- Motors are available in TEFC or explosion-proof enclosures (1,750 rpm, 56C frame). Air motors also available
- Vibration-absorbing pad standard
- All JD mixer shaft bearings are permanently lubricated
- Variable speed drives available
- Cast aluminum housing
- Fixed-cup plate mount optional

