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# BN Series Small Batch Mixer

1,750 rpm Direct Drive, Clamp Mount

BN Series mixers are the premier line of small direct drive mixers for mixing small batches of low viscosity fluids.

MODEL NUMBER	STANDARD MOTOR DESCRIPTION	DIMENSIONS INCHES (MM)	
		SHAFT LENGTH	SHAFT DIAMETER
<b>TOTALLY-ENCLOSED FAN-COOLED (TEFC)</b>			
BN-1.0	1/4 HP-1-115/230	32 (812.8)	1/2 (12.7)
BN-2.0	1/3 HP-1-115/230	32 (812.8)	1/2 (12.7)
BN-2.2	1/3 HP-3-230/460	32 (812.8)	1/2 (12.7)
BN-3.0	1/2 HP-1-115/230	32 (812.8)	5/8 (15.9)
BN-3.2	1/2 HP-3-230/460	32 (812.8)	5/8 (15.9)
<b>EXPLOSION-PROOF CLASS 1 GROUP D (EP)</b>			
BN-2.1	1/3 HP-1-115/230	32 (812.8)	1/2 (12.7)
BN-2.3	1/3 HP-3-230/460	32 (812.8)	1/2 (12.7)
BN-3.1	1/2 HP-1-115/230	32 (812.8)	5/8 (15.9)
BN-3.3	1/2 HP-3-230/460	32 (812.8)	5/8 (15.9)
<b>AIR MOTOR</b>			
BN-4.0	1/4 HP TO 1/2 HP AIR	32" (812.8 MM)	5/8" (15.9 MM)



To develop 1/4 HP at 1,725 rpm requires 10 cfm (0.28 cmm) at 15 psi (1.0 bar)  
 1/3 HP at 1,725 rpm requires 12 cfm (0.34 cmm) at 20 psi (1.4 bar)  
 1/2 HP at 1,725 rpm requires 22 cfm (0.62 cmm) at 40 psi (2.8 bar)

## FEATURES AND BENEFITS

- Easy mounting. Clamp cannot slip, preventing propeller from hitting side of tank
- Quick, easy adjustment between "angled-on-center" and "angled-off-center" positions without tools
- Coupling is fully enclosed
- Motors are available in TEFC or explosion-proof enclosures (56C frame). Air motors also available
- Off-the-shelf delivery
- Shaft and prop 316SS
  - PVC coating available
- Clamp adjusts to any angle

