

# Series JG

## Gear Drive Mixer, Clamp or Cup Plate Mount

### Heavy Helical Gear, 350 rpm, Grease Lube

Neptune's most powerful mixers for the most difficult mixing applications. Grease filled gearbox eliminates oil seal and the possibility of oil contamination of process.

#### Features

- No clutches to slip, wear or replace.
- 316SS propellers and shafts are standard. Optional coatings such as rubber, PVC or Teflon® also available.
- Square pitch 1.0 ratio marine propellers are used exclusively. Flow coefficients and power consumption characteristics equal those of the best hydrofoil impeller designs.
- Vibration-absorbing pad standard.
- Motors are available in TEFC or explosion-proof enclosures (1750 rpm, 56C frame). Air motors also available.
- Gears run in grease lubrication. Cannot leak oil.
- All JG mixer shaft bearings are permanently lubricated.
- Variable speed drives also available.
- Cast aluminum housing.
- Mounting clamp has adjustable angle of entry by indexed ball-and-socket design to achieve various process results.
- Fixed cup plate mount optional on 1/3 HP through 1 1/2 HP. Standard on 2 HP and larger models.

Model Number	Standard Motor Description	A Shaft Length	B	C		D Shaft Diameter
				Single	Dual	
<b>Totally-enclosed fan-cooled (TEFC)</b>						
JG-2.0	1/3 HP-1-115/230	48"	17 1/2"	10"	8"	3/4"
JG-2.1	1/3 HP-3-230/460	48"	17 1/2"	10"	8"	3/4"
JG-3.0	1/2 HP-1-115/230	48"	18 1/2"	12"	10"	3/4"
JG-3.1	1/2 HP-3-230/460	48"	17 1/2"	12"	10"	3/4"
JG-4.0	3/4 HP-1-115/230	60"	18 3/4"	13"	11"	3/4"
JG-4.1	3/4 HP-3-230/460	60"	18 1/2"	13"	11"	3/4"
JG-5.1	1 HP-3-230/460	60"	18 3/4"	14"	12"	1"
JG-6.1	1 1/2 HP-3-230/460	60"	18 3/4"	15"	13"	1"
JG-7.1	2 HP-3-230/460	60"	20 1/2"	16"	14"	1 1/4"
JG-8.1	3 HP-3-230/460	72"	21 1/2"	16"	15"	1 1/4"
<b>Explosion-proof class 1 group D (EP)</b>						
JG-2.2	1/3 HP-1-115/230	48"	20 1/2"	10"	8"	3/4"
JG-2.3	1/3 HP-3-230/460	48"	17 1/2"	10"	8"	3/4"
JG-3.2	1/2 HP-1-115/230	48"	21"	12"	10"	3/4"
JG-3.3	1/2 HP-3-230/460	48"	19 1/2"	12"	10"	3/4"
JG-4.2	3/4 HP-1-115/230	60"	21 1/2"	13"	11"	3/4"
JG-4.3	3/4 HP-3-230/460	60"	19 1/2"	13"	11"	3/4"
JG-5.3	1 HP-3-230/460	60"	20 1/2"	14"	12"	1"
JG-6.3	1 1/2 HP-3-230/460	60"	20 1/2"	15"	13"	1"
JG-7.3	2 HP-3-230/460	60"	22 1/2"	16"	14"	1 1/4"
<b>Air motor</b>						
JG-3.4	1/3 HP to 1/2 HP AIR Air Requirements: 12-20CFM at 40-80PSI	48"	17 1/2"	12"	10"	3/4"
JG-4.4	3/4 HP AIR Air Requirements: 30CFM at 60PSI	60"	18"	13"	11"	3/4"
JG-5.4	1 HP AIR Air Requirements: 40CFM at 40PSI	60"	19 1/2"	14"	12"	1"
JG-6.4	1 1/2 HP AIR Air Requirements: 55CFM at 60PSI	60"	19 1/2"	15"	13"	1"
JG-7.4	2 HP AIR Air Requirements: 65CFM at 70PSI	60"	15 1/2"	16"	14"	1 1/4"
JG-8.4	4 HP AIR Air Requirements: 125CFM at 90PSI	72"	16 3/4"	16"	15"	1 1/4"

