

# Drum-Stir Bayonet-Mount Drum Mixer

## General Description

The Drum-Stir is a simple but important improvement over screw-in or clamp-mount drum mixers. The Drum-Stir features a unique mounting system that's easy to install and provides the most thorough mixing. With the mixer, the impeller can be centered in the drum instead of up against one side. The shaft and impeller don't hit the inside wall of the drum during installation. When the top of the drum sags, as they sometimes do, the impeller won't be pushed into the drum wall. See the drawings on reverse. (U.S. Patent No. 4,981,367)

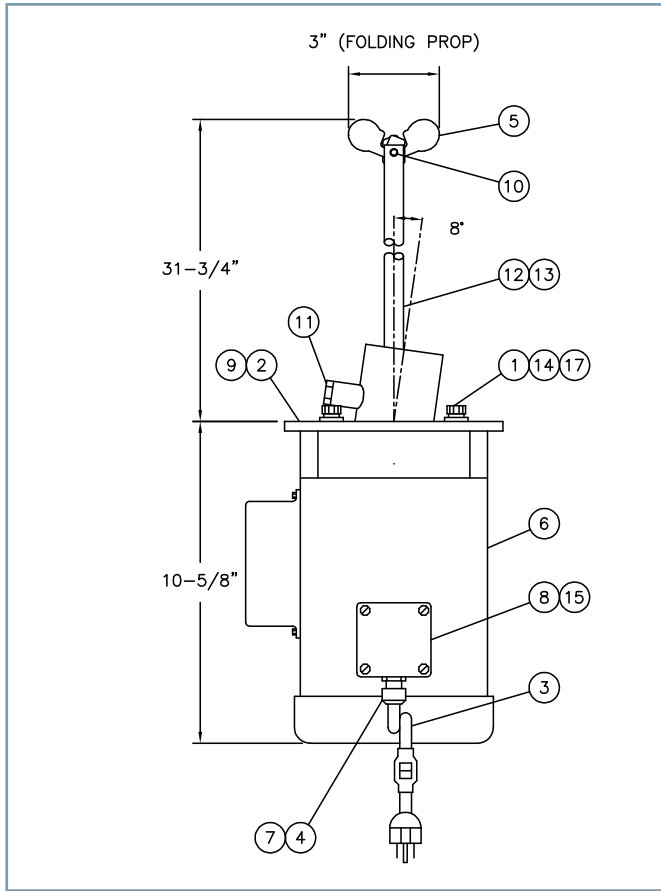
## Specifications

Motor	1.2 H.P TEFC 1725 RPM
Shaft	304 SS, 5/8" (15.9 mm) dia x 28" (711.2 mm)
Impeller	304 SS, collapsible, 4" (101.6 mm) dia. (open)
Mount	1/4" (6.35 mm) mild steel plate epoxy powder coated, 2" (50.8 mm) NPT bung mounted
Electrical	120 VAC / 1 pH / 60 Hz / 7.4 amps. Also available - 220 VAC / 1 pH / 50 Hz
Cord	18 AWG-3 (8 ft. long) with grounded plug and on-off switch. UL-CSA approved
Weight	34 lbs. (15.5 kg)



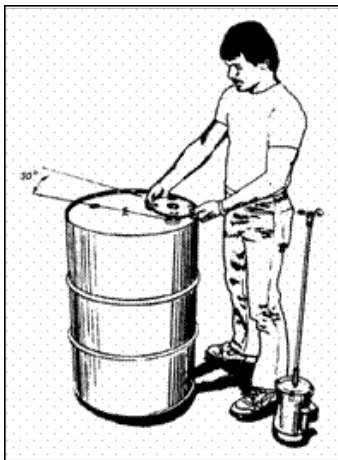
## Data Sheet

## General Layout



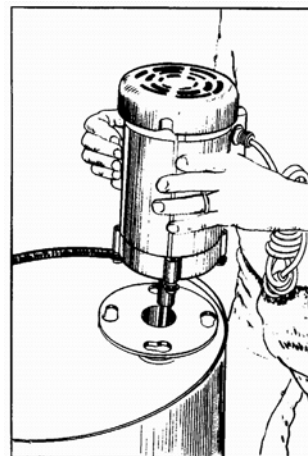
Key	Description
1	Bolt, Hex, HD., S.S., 3/8" (9.5mm) - 16 (0.63) x 1" L (25.4mm)
2	Bracket, Bayonet Mounting Plate, Mixer
3	Cable Assy w/Switch & Plug, 18GA., (3) Conductor
4	Connector, Electrical, 1/2" (12.7mm)
5	Fin, Impeller, S.S., Collapsible Blade
6	Motor, 1/2 HP, 120 VAC, 1725 RPM
7	Nut, Lock, Conduit, 1/2" (12.7mm)
8	Nut, Wire Crimpon (Inside)
9	"O"-Ring, Buna, 4-1/2" (114.3mm) I.D. x 4-7/8" (123.83mm) O.D. x 3/16" (4.8mm) THK
10	Pin, Tension, Roll, S.S., 1/4" (6.35mm) O.D. x 1" (25.4mm) L
11	Plug, PVC, 3/4" (19.05mm) (M)NPT
12	Screw, Set PNT., S.S., 1/4" (6.35mm) -20 (.79) x 1/4" (6.35mm) L
13	Shaft, Drum Mixer, S.S
14	Spacer, S.S., 3/8" (9.53mm) I.D. x 9/16" (14.3mm) O.D. x 15/32" (.5mm) L
15	Terminal, Forked, #10BOLT
16	Tool, Allen Wrench, 1/8" (3.175mm), "L" Shaped (See Note #1)
17	Washer, Flat, S.S., 3/8" (9.53mm)

## Installation Instructions



### Step 1

Install mounting flange in 2" (5.1 mm) bung opening. Tighten by hand until flange is firmly seated. Make sure highest edge of flange is pointed away from centerline of drum as shown by arrows in drawing.



### Step 2

Mount Motor/Shaft Assembly

- Insert mounting lugs through lane portion of "key holes".
- Turn to right to lock
- Plug mixer into properly grounded electrical service
- Turn mixer on with cord mounted switch

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