

Product Data Sheet

Horizontal A.C. Motors *Close Coupled Pump Motor Open Dripproof*



- **Open Dripproof Close Coupled Pump Motor**
- **Standard, Energy and Premium Efficient**
- **Energy Efficient Product Nameplated 50 & 60 Hertz**
- **Three Phase**
- **JM, JP, JPV or West Coast Shaft**
- **1 - 60 HP**
- **3600 and 1800 RPM
200, 208-230/460 & 575 Volt**
- **1.15 Service Factor**
- **Footed and Vertical JPV**
- **Allguard Motor Quality System**



Product Overview

U. S. Motors' **Open Dripproof Close Coupled Pump** motor is designed for centrifugal pump applications. These Close Coupled Pump motors have a 1.15 service factor and meet NEMA standard requirements including 40°C ambient conditions, class F insulation, NEMA Design B and are usable up to 3,300 feet above sea level. Stocked Open Dripproof Close Coupled Pump motors are available from 1 through 60 horsepower in 3,600 and 1,800 RPM.

The **Open Dripproof Close Coupled Pump** motor is offered in standard efficient types D-1 or D-4, premium efficient types DE-1 and DE-4 and energy efficient types FD-1 and FD-4 to meet the 1997 federally legislated efficiency levels, so there is no need to worry about being in compliance with the law. All copper windings and low loss stator laminations provide maximum efficiency.

The line of Open Dripproof Close Coupled Pump motors is designed for two specific shaft types. Shafts available include the JM shaft, a mechanical seal using molded or preformed seals held in place by springs or other constant pressure devices (coded as 4). The JP shaft utilizes packing glands or sealing devices that are manually packed and adjusted and use braided cotton or other substances for the sealing material or medium (coded as 1).

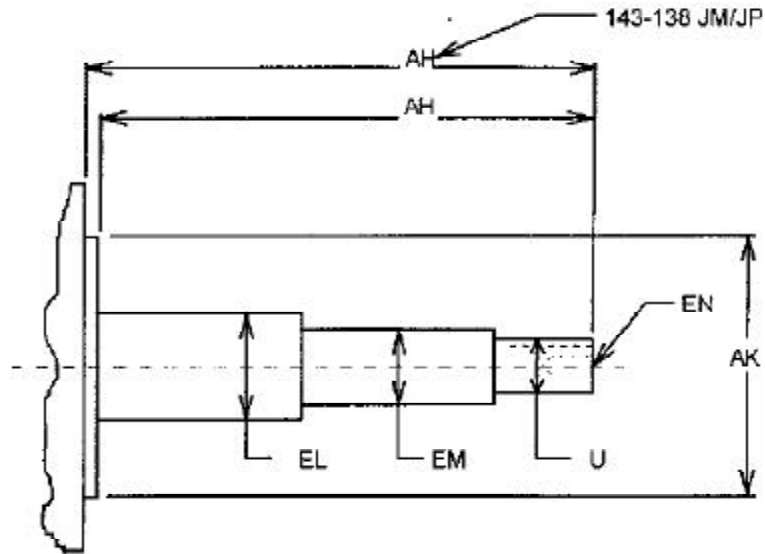
The 140 - 250 frames have die cast aluminum brackets with steel bearing inserts to ensure reliable performance under severe load applications. The 280 - 320 frames are made of steel with cast iron brackets and steel welded bases. The 360 - 400 frames are cast iron. Double-shielded bearings with regreasing provisions are standard on 180 frame and larger. All of our close coupled pump motors are designed with oversized locked ball bearing construction.

Motors marked 208 - 230/460 volts may not meet all NEMA (MG - 1) performance standards when operated at 208 volts. The 40 HP (4 pole), 50 HP (2 & 4 pole) and 60 HP (2 & 4 pole) 230/460 volt motors have 12 leads out and are suitable for WYE Delta start on either voltage.

Footless Open Dripproof Close Coupled Pump motors are available as stock products from 1 through 100 horsepower in a JP shaft design. Canopy caps and dripcovers come standard on the footless units to protect the motor when mounted vertically.

In addition to the stock product offerings, we've extended the product range to include features such as 1200 RPM and 50 hertz. For more comprehensive information on our Close Coupled Pump motors, please refer to the U.S. Motors' Horizontal Motor Catalog.

Shaft Dimensions



CCP Type	AH	U	EM	EL	EN	AK
D-1						
143-145JP	7-5/16"	7/8"	1"	1-5/32"	3/8-16 X 3/4"	4-1/2"
182-184JP	7-5/16"	7/8"	1"	1-1/4"	3/8-16 X 3/4"	4-1/2"
213-215JP	8-1/8"	1-1/4"	1-3/8"	1-3/4"	1/2-13 X 1"	8-1/2"
254-256JP	8-1/8"	1-1/4"	1-3/8"	1-3/4"	1/2-13 X 1"	8-1/2"
284-286JP	8-1/8"	1-1/4"	1-3/8"	1-3/4"	1/2-13 X 1"	12-1/2"
324-326JP	8-1/8"	1-1/4"	1-3/8"	1-3/4"	1/2-13 X 1"	12-1/2"
D-4						
143-145JM	4-1/4"	7/8"	1"	1-5/32"	3/8-16 X 3/4"	4-1/2"
182-184JM	7-5/16"	7/8"	1-3/8"	1-1/4"	3/8-16 X 3/4"	4-1/2"
213-215JM	8-1/8"	1-1/4"	1-3/8"	1-1/4"	3/8-16 X 3/4"	8-1/2"
254-256JM	8-1/8"	1-1/4"	1-3/8"	1-3/4"	1/2-13 X 1"	8-1/2"
284-286JM	5-1/4"	1-1/4"	1-3/8"	1-3/4"	1/2-13 X 1"	12-1/2"
324-326JM	5-1/4"	1-1/4"	1-3/8"	1-3/4"	1/2-13 X 1"	12-1/2"

Product Offering

Stock

Types	HP	Pole	Frame	Voltages
Standard Efficient JM	1 thru 60	2 & 4	140 thru 320	200, 208 - 230/460, 575
Standard Efficient JP	1 thru 60	2 & 4	140 thru 320	200, 208 - 230/460, 575
Energy Efficient JM	1 thru 60	2 & 4	140 thru 320	200, 208 - 230/460, 575
Energy Efficient JP	1 thru 60	2 & 4	140 thru 320	200, 208 - 230/460, 575
Premium Efficient JM	1 thru 60	2 & 4	140 thru 320	200, 208 - 230/460, 575
Premium Efficient JP	1 thru 60	2 & 4	140 thru 320	200, 208 - 230/460, 575

Custom Products may be ordered in the same types and voltages: 140 through 400 frame, 1 through 100 horsepower and 2 through 8 pole designs.



Emerson Motors

8100 West Florissant Avenue, St. Louis, MO 63136

WWW Home Page: <http://www.usmotors.com>



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