

UNIMOUNT® 125 Close-Coupled Pump Motors

Horizontal A.C. Motors, Totally Enclosed Fan Cooled



Horsepower: 1 – 30 HP

Speeds: 3600 and 1800 RPM

Phase: Single and Three Phase Available

Design Voltages: 200, 208 – 230/460 and 575 Volts

Shaft Types: JM, JP or Westcoast Shaft

Service Factor: 1.25

Bearings: Oversized ball bearings with welded drive-end bearings

Frame Sizes: Removable base 180 Frame and Up

Efficiency Levels: Energy and NEMA Premium® Efficient

Nameplate: Energy Efficient Product includes full 50- and 60 Hz data on nameplate



Product Overview and Options

U.S. MOTORS® brand UNIMOUNT® 125 Close-Coupled Pump motors are totally enclosed fan cooled with a 1.25 service factor and meet standard NEMA requirements rated for 40°C ambient conditions including class F insulation (with class B temperature rise), NEMA Design B and usable up to 3,300 feet above sea level.

The UNIMOUNT Close-Coupled Pump motor has an aluminum alloy extruded frame that improves heat dissipation for cool operation and long life (180 frame and larger). Die cast aluminum brackets have steel or cast iron bearing cavity inserts to ensure reliable performance under severe load applications. The 56 and 140 frames are rolled steel. All of the Close-Coupled Pump motors are made with oversized locked ball bearing construction to minimize endplay, and diagonally split conduit boxes which are NEMA standard.

All copper windings and low loss stator laminations on this motor provide maximum efficiency. This motor is offered in both energy efficient type FUT and the NEMA Premium® efficient type UTE to meet all efficiency regulations and allows you to choose the level of motor efficiency that best suits the needs of your application.

UNIMOUNT Close-Coupled Pump motor is designed for the specific requirements of centrifugal pumps.

JM shaft motors (listed as CCP Type FUT-4, UTE-4)

- Mechanical seal held in place by springs or other constant pressure device.
- C-faced motor with special shaft
- Designed for pump impeller to be installed directly to shaft

JP shaft motors (listed as CCP Type FUT-1, UTE-1)

- Originally designed for a packing type seal
- C-faced motor with special shaft
- Designed for pump impeller to be installed directly to shaft



UNIMOUNT 125® Motor



Drip Cover Conversion Kits *also available*

Single phase units, 3–10 HP, are also available from stock in both JM or JP shafts, 184–215 frames. In addition to the stock product offerings listed in the Full Line catalog, we are able to extend the product range to other ratings and requirements, such as 1200 RPM.

For a more comprehensive description of U.S. MOTORS brand Close-Coupled Pump motors including model numbers and list prices, please consult the Full Line catalog.

Available Stock Configuration

JP Shaft type FUT-1

- Three Phase
- 1–30 HP
- 143JP–286 JP Frame
- 3600 and 1800 RPM
- 200, 208-230/460, 575 Volts

JM Shaft type FUT-4

- Three Phase
- 1–30 HP
- 143JM–286JM Frame
- 3600 and 1800 RPM
- 200, 208-230/460, 575 Volts

JP shaft type UTM-1

- Single Phase
- 3–10 HP
- 182JP–215JP Frame
- 3600 and 1800 RPM
- 115/230, 230 Volts

TCZ Westcoast Shaft FUT-3

- Three Phase
- 213TCZ–215TCZ Frame
- 7-1/2 HP–15 HP
- 3600 and 1800 RPM
- 230/460 Volts

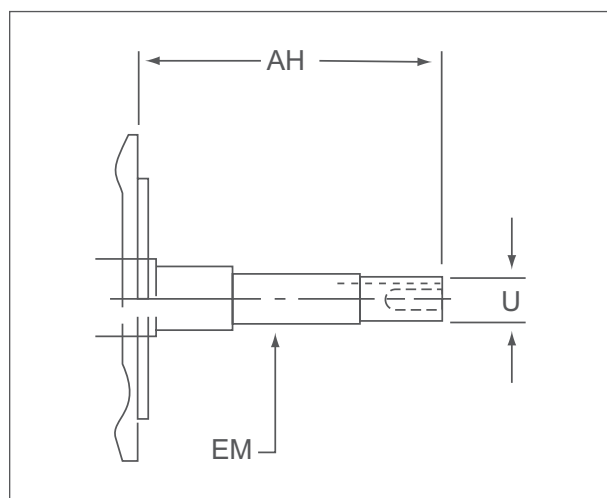
JM Shaft type UTE-4

- Three Phase
- Premium Efficient
- 1–20 HP
- 143JM–256JM Frame
- 3600 and 1800 RPM
- 230/460, 575 Volts

JM Shaft type UTM-4

- Single Phase 3–10 HP
- 182JM–215JM Frame
- 3600 and 1800 RPM
- 115/230, 230 Volts

Shaft Dimensions



CCP Type	AH Shaft Length	U Shaft End	EM Shaft Width
FUT-1, UTE-1			
143–184JP	7-5/16"	7/8"	1"
213–215JP	8-1/8"	1-1/4"	1-3/8"
254–256JP	8-1/8"	1-1/4"	1-3/8"
254–286JP	8-1/8"	1-1/4"	1-3/8"
FUT-4, UTE-4			
143–184JM	4-1/4"	7/8"	1"
213–215JM	4-1/4"	7/8"	1"
254–256JM	5-1/4"	1-1/4"	1-3/8"
284–286JM	5-1/4"	1-1/4"	1-3/8"
FUT-3			
213–215TCZ	7-5/16"	7/8"	1"

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For more information about the U.S. MOTORS brand, visit www.usmotors.com.

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