



Danfoss MFB45-U-10 Fixed Inline Piston Motor User Manual

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Danfoss MFB45-U-10 Fixed Inline Piston Motor



Product Information

The M-MFB45-U*-10 is a fixed inline piston motor from Danfoss, used in industrial applications. The motor has a flow rating of 45 USgpm at 1800 RPM with optional shafts and porting. It has either direction shaft rotation and comes with special features to provide satisfactory service life for components. The motor is designed for use with full flow filtration to provide fluid meeting ISO cleanliness code 20/18/15 or cleaner.

The motor comes with a foot mounting bracket, screws, valveplate, mounting kit, gasket, retaining ring, rotation plate, pin, lift limiter, spring, washer, cylinder block, spherical washer, shoe plate, nameplate, housing, shaft, key, spacer, sleeve, piston kit, shaft seal, O-ring, plug, swash plate, bearing, and retaining rings. It is recommended to service all units with the F3 Seal Kit 923000. The model code of the motor is M-MFB45-U*-10-***.

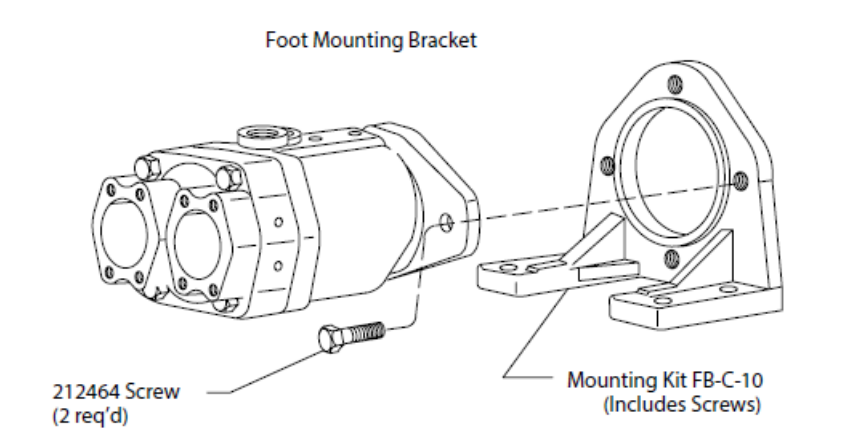
Product Usage Instructions

To use the M-MFB45-U*-10 piston motor:

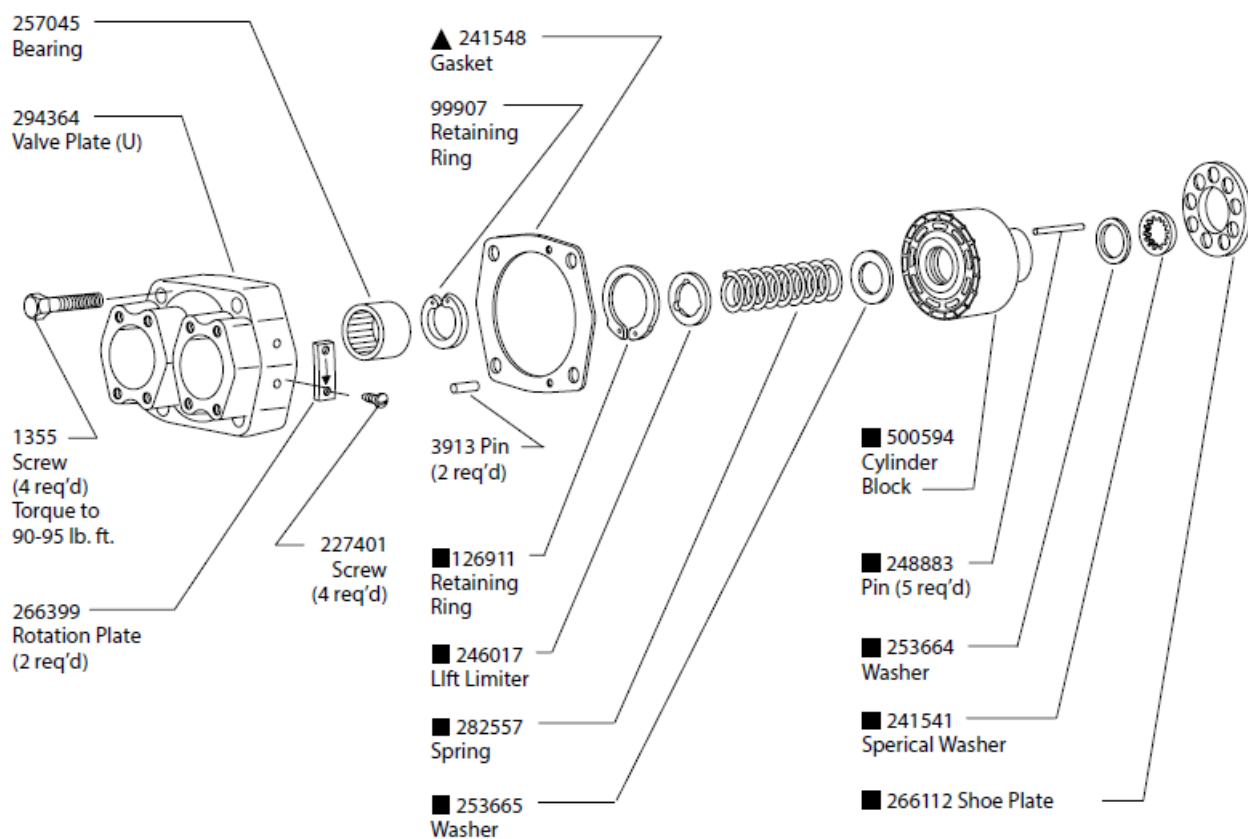
1. Make sure to use the motor in industrial applications only.
2. Use full flow filtration to provide fluid that meets ISO cleanliness code 20/18/15 or cleaner for satisfactory service life of components.
3. Refer to the assembly view and model code for accurate identification and use of optional shafts and porting.
4. Make sure the shaft rotation is either direction.
5. Follow the recommended torque of 90-95 lb. ft. when tightening screws.
6. Service all units with the F3 Seal Kit 923000.

For further support and training, refer to the local addresses provided in the user manual.

Foot Mounting Bracket

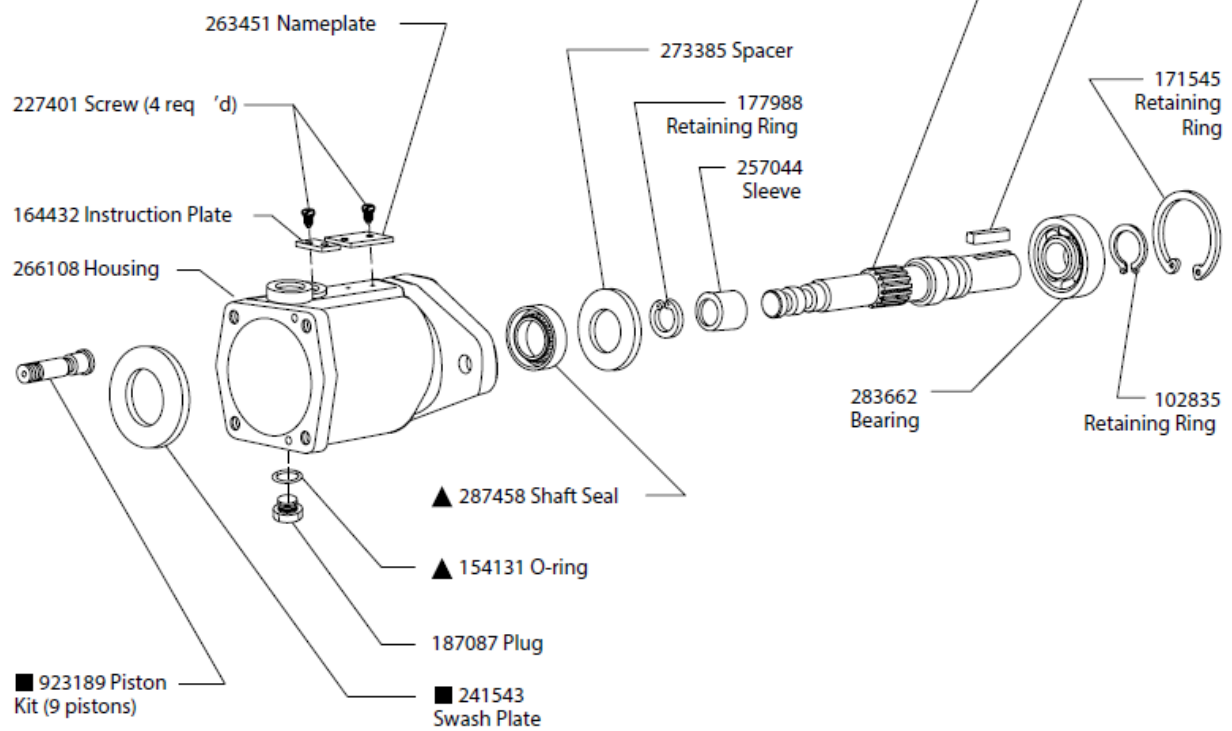


OVERVIEW

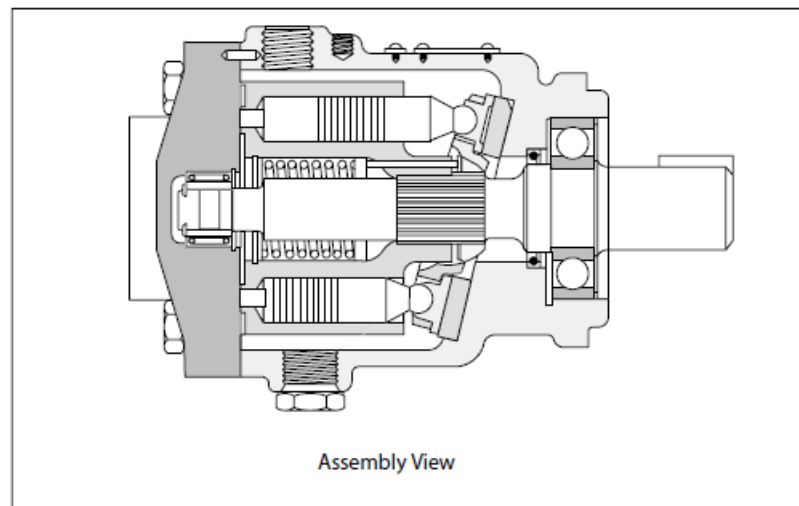


Included in Rotating Group Kit 923001

Model Designation	Shaft	Key
M-MFB45-*F-10	294360	247101
M-MFB45-*E-10	322355	—

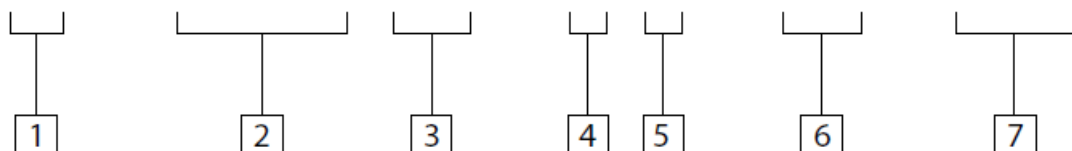


Assembly View



Model Code

M - M F B 45 - U * - 10 - * * *



1. Mobile Application
2. Model Series
 1. MFB – Motor, fixed displacement, inline piston type, B series
3. Flow Rating
 1. @1800 RPM
 2. 45 – 45 USgpm
4. Shaft Rotation (Viewed from shaft end)
 1. U – Either direction
5. Optional Shafts and Porting
 1. E – Splined Shaft SAE 4-bolt flange
 2. F – Straight keyed shaft SAE 4-bolt flange
6. Design
7. Special Features

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid that meets ISO cleanliness code 20/18/15 or cleaner. Selections from Danfoss OF P, OFR, and OFRS series are recommended

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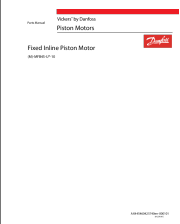
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Documents / Resources

	<p>Danfoss MFB45-U-10 Fixed Inline Piston Motor [pdf] User Manual MFB45-U-10 Fixed Inline Piston Motor, MFB45-U-10, Fixed Inline Piston Motor, Inline Piston Motor, Piston Motor, Motor</p>
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References

-  [Daikin Sauer Danfoss - Home](#)
-  [Danfoss - Engineering Tomorrow | Danfoss](#)
-  [Hydro-Gear Drivetrain Solutions | Home](#)