

Vane Motors



Service Parts Information

Multi-Torque Vane Motor

MHT-32 Series

MHT-32-**-12

Model	Ring	Body (2 Req'd)	● Bearing (2 Req'd)	Snap Ring (2 Req'd)	Shaft	*Plug
MHT-32-N1-12	351846	351811	—	—	—	—
MHT-32-R1-12			353192	351810	359956	7074

351820 Vane (18 Req'd)

■ 351818 Spring
354387 Spring
(36 each Req'd)

Nameplate
227402 Screw
(4 Req'd)

354388 Guide
(18 Req'd)

●▲ 353786 O-Ring
(4 Req'd)

202972 Pin
(2 Req'd)

* Plug
(See table)

351809 Sleeve
(2 Req'd)

▲ 429290 Quad Seal
(2 Req'd)

351813 Rotor

●▲ 154115 O-Ring
(2 Req'd)

▲ 154006 O-Ring
(2 Req'd)

▲ 154126 O-Ring
189087 Plug

■ Install 354387 Spring
inside 351818 Spring



CAUTION

A slip fit spline condition must exist between shaft and rotor. Do not use undue force to engage mating splines.

359928 Key
(MHT-32-R1-12)

Bearing shields must face outward, away from each other, when assembled on the shaft.

▲ 271764 Back-up ring (4 Req'd)

Install as shown towards outer sides of both bodies.

295384 Screw (12 Req'd)

Lubricate screw, torque tighten to 90 ± 5 lbf. ft.

Note

● Use fibrous type wheel bearing grease to pack bearings, lubricate splines and indicated O-ring grooves.



CAUTION

Case drain passage and ports must be aligned as shown.

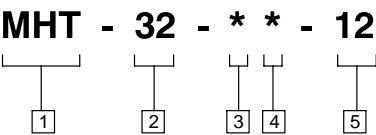


CAUTION

When assembling cartridge, insert vanes in rotor slots at the minor diameter of cam ring. Rotate cartridge one complete revolution by hand prior to assembly with bodies to prevent misalignment of springs and guides.

▲ Included in Seal Kit 919771

Model Code



1 High Torque Motor

2 Size

Theoretical output torque
in ft. lbs. per 100 p.s.i.

3 Shaft

N - No shaft
R - Solid shaft

5 Design

4 Shaft Design

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFP, OFR, and OFRS series are recommended.

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