

## Vane Motors



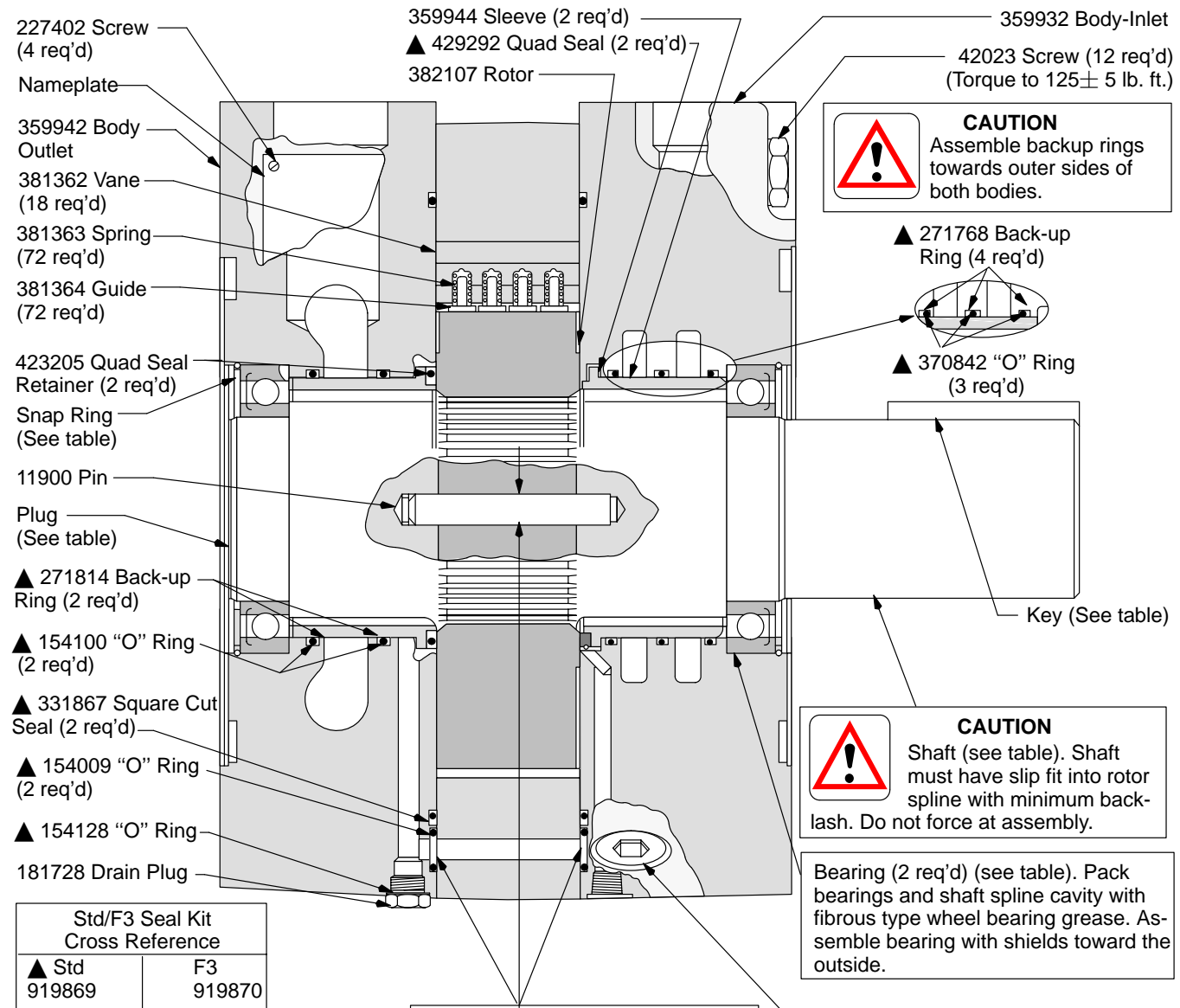
## High Torque, Low Speed Vane Motors

## MHT SERIES 110/130/150 - 30 DESIGN

Model	Ring	Bearing	Snap Ring	Shaft	Plug	Key
MHT-110/55/55-N1-30	401263	—	—	—	—	—
MHT-110/55/55-R1-30	—	373927	373434	356165	7074	334231
MHT-130/75/55-N1-30	375221	—	—	—	—	—
MHT-130/75/55-R1-30	—	373927	373434	356165	7074	334231
MHT-150/75/75-N1-30	356176	—	—	—	—	—
MHT-150/75/75-R1-30	—	373927	373434	356165	7074	334231

**CAUTION**

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

**CAUTION**

Assemble backup rings towards outer sides of both bodies.

**CAUTION**

Shaft (see table). Shaft must have slip fit into rotor spline with minimum backlash. Do not force at assembly.

Bearing (2 req'd) (see table). Pack bearings and shaft spline cavity with fibrous type wheel bearing grease. Assemble bearing with shields toward the outside.

**CAUTION**

Install ring with smaller diameter of pin hole toward twin ported body.

**CAUTION**

Assemble both rings and spacer with case drain located as shown. Not rotated with hole at top.

380649 Plug S/A (3 req'd)

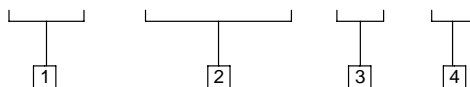
Must be cast below surface.

▲ 154131 "O" Ring  
326976 Plug

## Model Code

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**MHT - 1\*0/\*5/\*5 - \*1 - 30**



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### **1 Model Series**

High torque, low speed vane motor

### **2 Theoretical Torque in Lb. Ft. per 100 PSI Differential Pressure**

110/55/55  
130/75/55  
150/75/75

### **3 Shaft**

**N1** - No shaft  
**R1** - Solid shaft with square key

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### **4 Design**

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. Selections from pressure, return, and in-line filter series are recommended.