Vickers®

Vane Motors



High Torque Low Speed Vane Motors MHT-250-**-30-S27 Series

Model	Shaft	Snap Ring	Key	Bearing	Plug	Ring		STD/F3 Seal Kit
MHT-250-N1-30-S27						0.40000		Cross Reference
MHT-250-R1-30-S27	345769	354386	306439	310539	7074	343826		▲ STD F3
		42	25464 Bod	y (Inlet) —	_			919873 919874
		_/ — 42	25464 Bod	y (Outlet)				(-
27402 Screw (4 req'd)	_	/	24384 Van				- 418966 Retainei	r (2 req'd)
lameplate —		/ (1	8 req'd)					93 Quad Seal (2 req'd ith grease at assembl
96438 Spring ———— 72 req'd)								54108 O-Ring (4 req'd ith grease at assembl
82716 Guide 72 req'd)			The state of the s					Back-up Ring (4 req'd
Snap Ring (2 req'd) — See table)		H						as shown towards ides of both bodies.
23410 Pin ———————————————————————————————————								Key (See table
Plug (See table)								
47255 Sleeve (2 req'd see Ass'y Note				^^				
Sleeves must be 0.002 below face 0.006 of body.								Shaft (See table)
82709 Rotor —								Shaft must have Slip Fit into Rotor Spline mum backlash. Do no
▲ 281623 Square —— cut Seal (2 req'd)							5	2 req'd)(See table) Note rings and Shaft Splin
▲ 154011 O-Ring —— 2 req'd)							Cavity wit bearing g	th fibrous type wheel rease. Assemble with shield on outside
▲ 154130 O-Ring ——				$\overline{\ \ }$	Ring (Se			37138 Screw (12 req'o to 175 ± 5 lb. ft. oiled



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.

WARNING

Wear safety glasses to prevent eye injury.

Revised 3/1/85 I-3746-S

Model Code

1 Seal Material

F3 - Multi-fluid capability (viton seals)

4 Shaft

N - No shaft

R - Standard solid shaft

6 Design

Quiet Feature, Low Pulsation Levels

2 Model Series

MHT - Vane motor, high torque, low speed

5 Keyed Shaft

When provided

3 Theoretical Torque

Combinations of theoretical torque in lbs. ft. per 100 p.s.i.

Differential pressure

250