Vane motors

Model Code	Max. Working Pressure MPa	Minimum Speed min ⁻¹	Maximum Speed min ⁻¹	Rated Torque N⋅m 50 100 200 300 500 1000 2000 3000 5000 10000 20000	Page
25M	15.7	100	2600		 N1-1
35M			2600	80 S 2	
45M			2600	130 <u>ឆ្</u> លាំខ្ល	
MHT24/32	14	10	400	24 32	
MHT50			350		-
MHT70/90			300	70 90	N2-1 See page N3-1 for multi- torque motors
MHT150			250		
MHT190/250			200	190 g	
MHT380/500			200	380 500	
MHT750			100		
MHT1000			75		

Vane Motor Notes on Operation

Mounting

- \odot Base for motor should be sufficiently rigid.
- O Motor can be mounted at any direction.
- Flatness of mounting surface and squareness tolerance should be less than 0.025 mm.
- O Mating of mounting flange should be clearance fit.
- Drive method
 - MHT motor should be direct drive. Avoid external thrust loads.
 - Consult Tokyo Keiki when using high speed **M motors for indirect drive.
 - MHT motors cannot function as brake. Consult Tokyo Keiki when considering braking function with high speed **M motors.
- Hydraulic oil and filtration
 - Use JIS K 2213-2 type (additive) ISO VG32 to 68 antiwear oil or SAE application class SC, SD, SE and SF crankcase oil. Diesel engine oil cannot be used.
- \odot Water-glycol, phosphate ester, etc., fire resistant fluids cannot be used.

- Viscosity of oil used should be 13~54 mm²/s, with starting viscosity up to 110 mm²/s (**M motor 860 mm²/s) allowed.
- \odot Full volume filter 25 μm or less or bypass filter 10 μm or less should be incorporated in inlet and return lines.