

DESCRIPTION

TMF - TMV motor series includes variable or fixed displacement axial piston motor, with swashplate system, for closed or open loop hydrostatic transmission.

Features:

- high rotation speed
- constant torque
- compact design
- easy servicing

The very small dimensions, allow to fit the motor in restricted room or position which are difficult with traditional mechanical transmission.

Installation instruction

- During the assembly check that motor is in line and concentric with the driveshaft sleeve to prevent overloading of the pump shaft bearings.
- Clean carefully all tanks and pipes internal before assembly.
- The pipe internal diameter must be suitable for the max oil speed trough them.
- Fit the pump lower than oil level in tank.
- Heat exchanger must be previewed in the machine design, to keep temperature level within the limit of 80°C.

First starting

- Before starting fill all the system components with new and filtered oil.
- Verify that the charge pressure is correct.
- Restore the tank oil level.

Maintenance

To guarantee long life, the motor must work with oil cleaned according ISO 4406 class 17/14 (NAS 9) or better.

- First oil change must be made after approximately 500 hours of operations, and then every 2000 hours.
- The filter cartridge must be replaced the first time after 50 hours and then every 500 hours, such time should be reduced when the filter clogging indicator shows that the cartridge is clogged or when the system works in a heavily polluted environment.