



aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
**hydraulics**  
pneumatics  
process control  
sealing & shielding



## Gerotor Motors

Heavy duty high torque/low speed  
hydraulic motors



ENGINEERING YOUR SUCCESS.

# Heavy duty motors for heavy duty jobs

Parker – the first choice for low speed high performance

Gerotor motors are ideally suited for tough jobs under tough conditions, offering high starting torque and trouble-free service. And when it comes to gerotor motors, your safest bet is Parker. Years of experience in system design in close cooperation with clients all over the world have resulted in a wide range of high performance gerotor motors to suit any application.

**Up to 20 percent more efficient**  
Unique design features allow the fluid to lubricate and cool all internal rotating parts of the motor, contributing to outstanding efficiency compared to other gerotor motors. Automatic wear compensation and heavy duty bearings make sure that the supreme Parker performance remains throughout the motor's exceptionally long service life.

Parker's gerotor motors are available in 6 series with displacement sizes from 36–1,000 cm<sup>3</sup>/rev, offering up to more than 2,400 Nm of continuous torque output. Regardless of size, they are compact and easy to install and are built to handle very high shaft loads. Add Parker's system engineering support to all this, and you have a winner in the low speed race!



70 different sizes of Parker gerotor motors means you can always find the right motor for your specific application needs.

Series	Displacement range	Torque range	Max. speed range
TE	36-392 cm <sup>3</sup> /rev	55-435 Nm	191-930 rpm
TF	81-477 cm <sup>3</sup> /rev	215-680 Nm	195-693 rpm
TG	140-958 cm <sup>3</sup> /rev	400-925 Nm	118-660 rpm
BG	140-958 cm <sup>3</sup> /rev	400-925 Nm	118-660 rpm
TH	140-958 cm <sup>3</sup> /rev	400-925 Nm	118-660 rpm
TK	250-1000 cm <sup>3</sup> /rev	814-2413 Nm	218-523 rpm



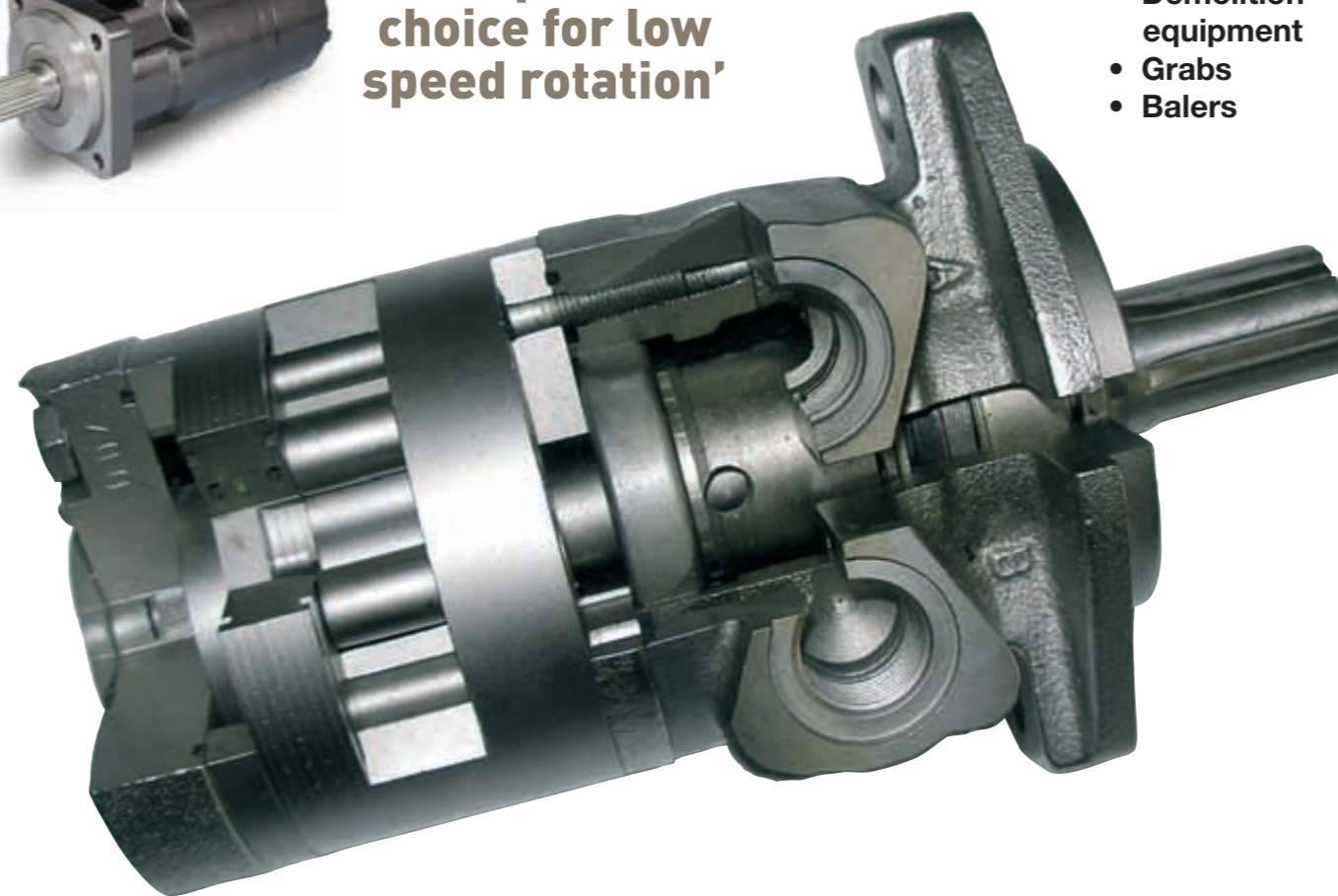
**'The perfect choice for low speed rotation'**

- **Potato harvesters**
- **Turf machines**
- **Demolition equipment**
- **Grabs**
- **Balers**

The roller vane rotor set reduces internal friction and also compensates for wear automatically. This means 100 percent performance levels throughout the motor's service life.

No drain line is required, which simplifies installation greatly.

- **Easy to install**
- **Excellent low speed characteristics**
- **High efficiency**
- **High load capacity**
- **Built-in wear compensation**
- **Long service life**



The hydraulic fluid lubricates and cools all internal rotating parts, adding to the motor's ability to cope with hard work, year after year.

Potato harvesters constantly face demanding conditions – just the sort of conditions that bring out the best in Parker's efficient, reliable gerotor motors.

Typically, gerotor motors can be found in various types of forestry machines, materials handling equipment, turf machines and agricultural machines where reliability, high torque and low speed capability is needed. Parker's compact yet robust gerotor motors with high pressure seals and internal cooling is based on years of experience in demanding mobile applications.

