

Parker HP1 Series

Integrated Hydrostatic Pumps

Benefits for OEMs

The compact HP1 integrated pump enables manufacturing cost reduction, while delivering the highest durability in class. High serviceability and ease of maintenance, with extended oil change intervals, lower the cost to own to the end-user. The integrated HP1 compact design and two displacement options mean more design flexibility for power system design and specification, translating to potentially more efficient power to weight ratios.

Benefits for Owner/Operators

The HP1's compact design allows for more efficient power generation and less weight. Owner/Operators can spend more time operating and less time on maintenance because the HP1, when filled with HT-1000 engineered hydraulic fluid, easily achieves up to 1,000 hours between fluid replacements.

Integrated Design Features:

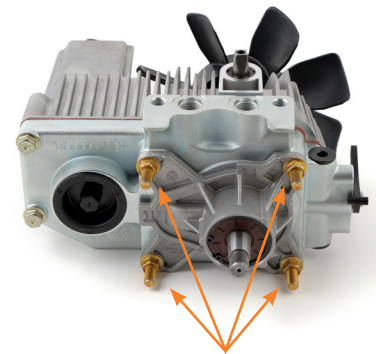
- Single hydraulic pump
- Integrated reservoir
- Integrated filter
- 1300 psi continuous
- 3000 psi intermittent

Contact information

Parker Hannifin Corporation
Pump & Motor Division
2745 Snapps Ferry Road
Greeneville, TN 37745

phone 423-639-8151

www.parker.com/PMD



Built-in mounting:
4 bottom studs

Pump Displacement (cc/rev)	11.5 16.0
Maximum Pressure (bar)	200 int. (90 cont.)
Maximum Pressure (psi)	3000 int. (1300 cont.)
Maximum Flow (lpm)	41.3 57.9
Maximum Flow (gpm)	10.9 15.3
Maximum Input Speed (rpm)	3600

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HP1 Features

Compact design saves space

- Fits in small machine platforms where space is limited

Modular system provides ultimate design flexibility

- Easily connects to various hydraulic motors
- Pump & motor selections to meet torque & speed desired

Pump designed for superior performance, longer life

- Cylindrical roller type main pump bearing - 21% more load carrying capacity to withstand higher pressures and provide longer life.

No external filter or reservoir is required

- Eliminates hoses, clamps, hardware, & assembly time required for external filter and reservoir.
- Provides for easier installation & assembly
- Integrated filter and expansion reservoir

Lower engine mounting means lower machine center of gravity

- Patented bottom pulley mount allows for lower engine mounting position

Use of Parker HT-1000 oil reduces maintenance

- HT-1000 engineered oil extends change interval up to 1000 hours

Easy manual operation of flip-lever bypass, no tools required

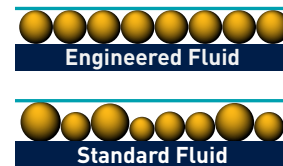
- Easy to move machine when powered operation is not possible

Complete Parker drive solution capability.

- Pump, motors, hoses, fittings, fluid can be packaged as needed
- Complete packaged solution has up to 2000 hour warranty



Parker HT-1000 has a unique additive chemistry designed to maximize oil life while providing optimum anti-wear protection for the components of today's advanced hydrostatic drive systems. Engineered to permit change intervals of up to 1,000 hours.



WARNING

This product can expose you to chemicals including lead which is known to the State of California to cause cancer, and DEHP which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



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