

5

Reasons to Choose P1M for Your Mobile Application



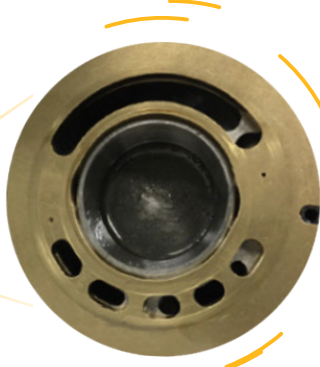
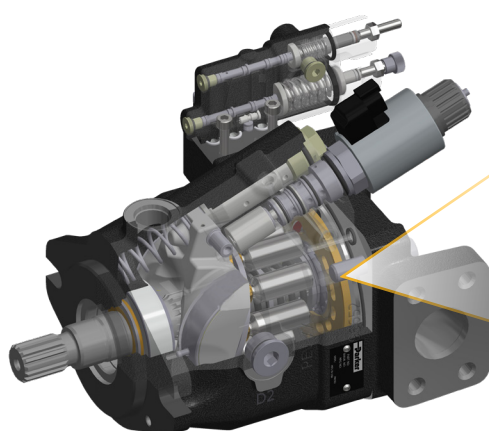
The P1M Series Mobile Open Circuit Medium Pressure Axial Piston Pumps deliver higher speeds and efficiency that increase machine productivity, reduce costs, and extend pump life in a robust, compact envelope. Here are just a few reasons P1M is the next-generation mobile pump.



1

INNOVATIVE PUMP DESIGN

Designed for Mobile. Built to Perform. P1M is designed to improve productivity, reduce costs and extend pump life.

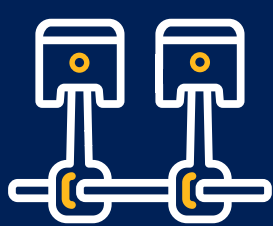


NO EROSION AFTER

3 million CYCLES

Patented Inlet design increases performance and reduces erosion, cavitation, and pressure ripples.

Tested with the 45cc port plate.



9

Pistons

reduce troublesome pressure ripples

Standard Dual Shaft

seals enable wet PTO mounting



2

COMPACT & POWERFUL

P1M is strategically built to fit in tighter spaces—across a variety of applications, including but not limited to:

Construction



Agriculture



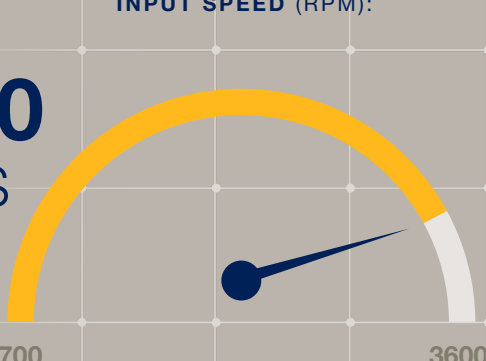
Material Handling



Utility & Military

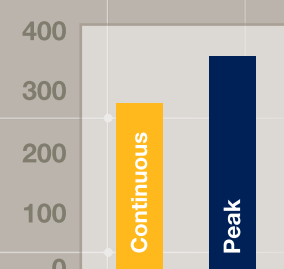


UP TO
3,000
RPMS



INPUT SPEED (RPM):

SYSTEM PRESSURE (BAR):



UP TO
310
BAR

*Dependant on size

3

INTUITIVE CONTROLS

High-Response EDC delivers increased productivity and low hysteresis.

P1M-028



ON-STROKE

OFF-STROKE

87

Milliseconds

53

Milliseconds

Competitor A

246 Milliseconds

Overshoots;
requires software
slow-down ramp.

4

IMPROVED EFFICIENCY

P1M increases equipment's machine performance and delivers unrivaled benefits, including:

Lower Emission Levels



UP TO

5%

Increased efficiency



5

SHORT LEAD TIME

Parker Hannifin offers best-in-class lead times and services.

Our speed

gets you up and running quickly.



This helps

avoid overstocking
of your inventory.



Parker's rapid custom manufacturing provides a greater range of solutions while

REDUCING LEAD TIMES



Schedule an Engineering Consultation

Talk to a Parker Expert to find out if P1M is the right solution for you.



pumptechsupport@parker.com

© 2020 Parker Hannifin Corporation, all rights reserved



ENGINEERING YOUR SUCCESS.