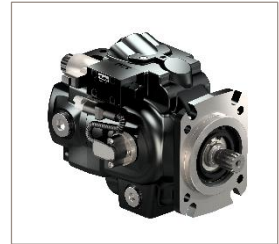


AXIAL PISTON PUMPS - SERIES P2/P3

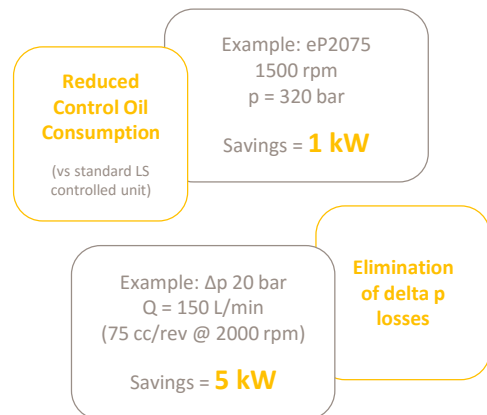
eP2/eP3 - NEW ELECTRONIC CONTROL

A NEW STANDARD IN PRODUCTIVITY



Parker's P2/P3 series has been designed to meet the specific demands of heavy duty mobile applications. By featuring an optimized envelope and a unique port layout the product line provides for a cost saving direct mount on most typical mobile transmissions. The availability of both a standard (P2) and a supercharged, internally boosted version (P3) allows for high flow operation at the most diverse inlet conditions. With continuous pressure ratings of up to 350 bar P2/P3 provides a high power density and enables downsizing of mobile machinery. As a standard every P2/P3 comes with an integrated pre-compression volume which ensures low ripple operation and reduced noise emissions.

After having proven in load-sensing systems for many years the product line is now extended by a **NEW ELECTRONIC CONTROL CONCEPT**, setting new standards in terms of **RESPONSIVENESS**, **STABILITY** and - foremost - **EFFICIENCY**. By banishing the losses of standard hydro-mechanical compensators eP2/eP3 provides for an increased volumetric efficiency and reduced power consumption. On top of that eP2/eP3 paves the way for new hydraulic system approaches such as the purely electronic control of single actuator operation, which eliminates the delta p losses of a conventional LS system.



Featuring an electronic displacement feedback the new design takes advantage of a closed control loop, ensuring highest accuracy and repeatability at any time. Beside the standard electronic displacement control function which can easily be integrated into existing system control logics eP2/P3's hardware also grants for electronic pressure limitation, torque control and speed compensation.

In addition to the pump itself Parker also introduces a new pump control module providing the logic as well as monitoring options for the whole range of eP2/eP3's electronic control functions. As a matter of course all components have been CE certified.

In addition to eP2075 (released in July 2017) eP2145 and eP3145 were launched to serial production in March 2018 and will be followed by all further displacements of P2 as well as P3 within the coming months.

For more information please visit our landing page for eP2

parker.com/eP2



ENGINEERING YOUR SUCCESS.