

Poclain Hydraulics

Innovative support



Valves

Brake valves: accumulator charging valves - power brake valves - brake actuators

- Full power braking systems
- Multifunction
- Smooth progressive control
- Convenient auxiliary outputs
- Predisposed for sensors or switches
- Can be integrated to existing braking circuit

Circuit valves:

- High pressure
- Electro-hydraulic components, for high speed and off-road transmission.
- Directional valves
- Pressure valves
- Non return valves
- Flow dividers
- Operates with all Poclain Hydraulics products



Pumps

- Up to 450 bar [6 530 PSI] pressure
- High speed for engine drive
- High efficiency
- High durability

Fixed displacement pumps

- In line radial pistons
- For open loop circuits
- De 10 à 444 cm³/tr [0.63 to 27 cu.in/rev]
- Independent output flows

Variable displacement pumps

- Axial piston type
- For closed loop circuits
- From 7 to 180 cm³/tr [0.43 to 15.25 cu.in/rev]
- Tandem mounting available
- Electronic control



Electronic systems

A range of 4 CAN-bus ready computers with adaptable programming and parameter settings insures Poclain Hydraulics has the right solution for your vehicle performance needs.

Our solutions and support services enable you to design intelligent machines that are more productive, easier to drive, and more environmentally friendly.

Among the functions that can be tailored to your exact requirements:

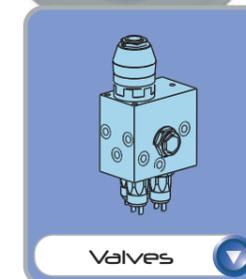
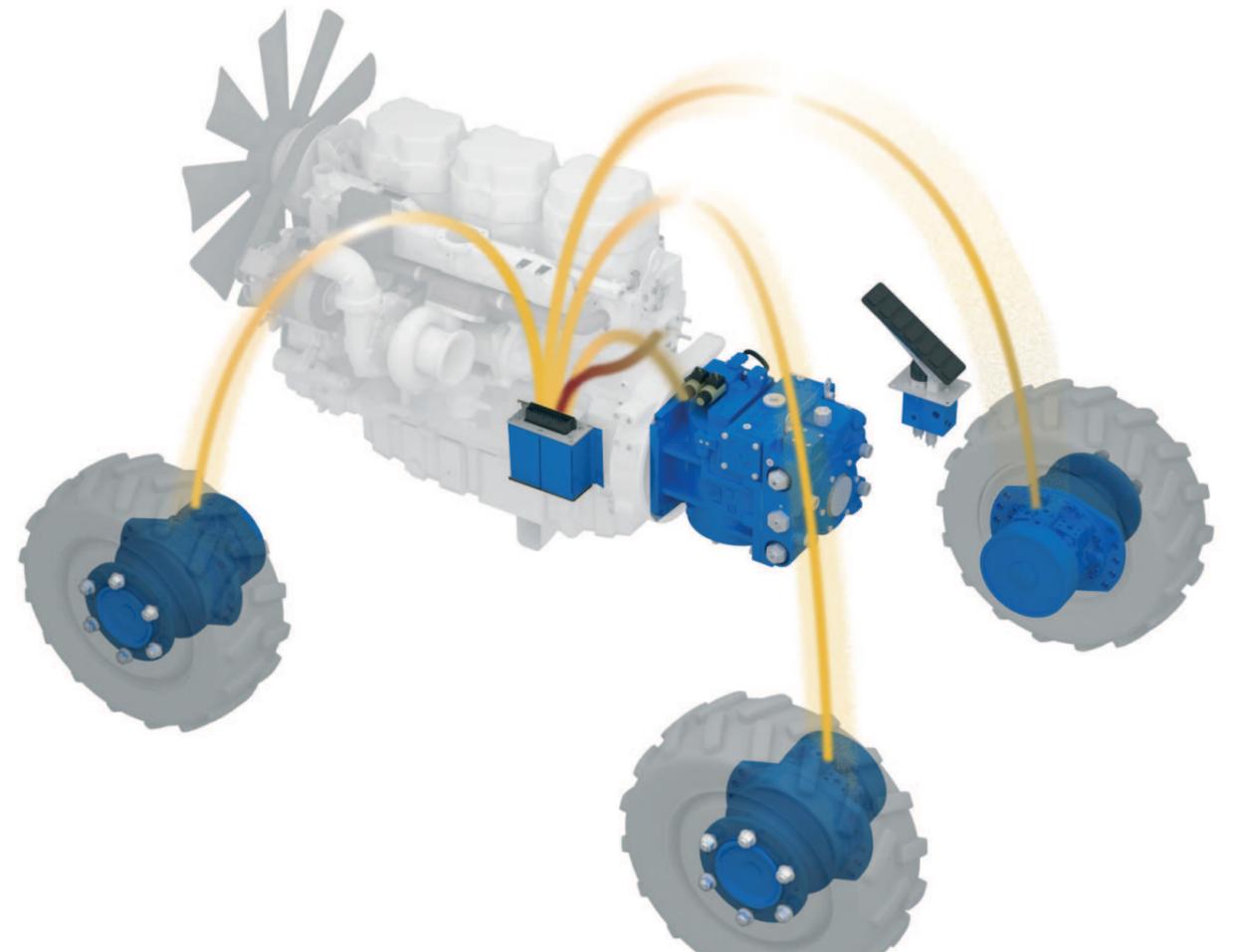
- Acceleration and deceleration ramps
- Automatic and seamless speed shift
- Cruise control
- Dynamic and emergency braking management
- Anti-stall management
- Power limitation
- Fail safe mode management



Services

- Testing and commissioning
- Product customization
- Custom machine set-up
- Machine prototype
- Bench testing
- Field service
- Training
- Repair

Take the best for your hydraulic transmission



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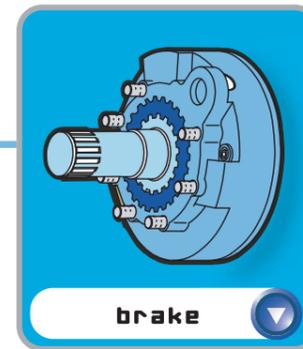
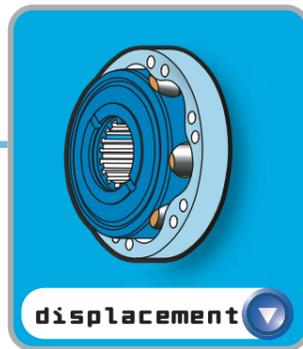
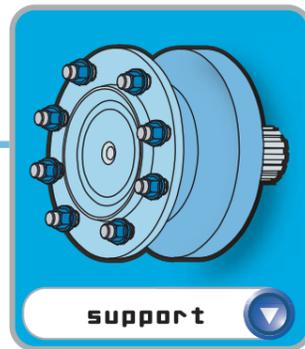
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You need figures? Remember this one:

More than

10¹² solutions for you

Let's choose



With over 45 years of experience... Poclain Hydraulics has the perfect hydraulic motor for you.



MS range

- High torque cam-lobe technology
- Low noise
- Rotating shaft
- High radial load capability
- High starting torque
- Constant torque and high efficiency
- Instant reversibility



MK range

- From 270 to 5 625 cm³/tr (16.5 to 343 cu.in/rev)
- Ultra-compact motor
- Large diameter 4 contact roller bearing
- Reinforced shaft sealing
- Hollow shaft available



MZ range

- For swing drive applications
- Compactness
- Flange-mounted manifold block providing improved braking control and reduced system feedback



ML range

- For skid-steer loaders
- Dual sprocket
- 2-displacement
- Integrated oil exchange
- Soft shift



CDM 170- 50

- For low-speed vehicle (to 10 km/h (6mph) in work mode)
- Placed between the transmission and the differential.
- Can work with any type of truck transmission.



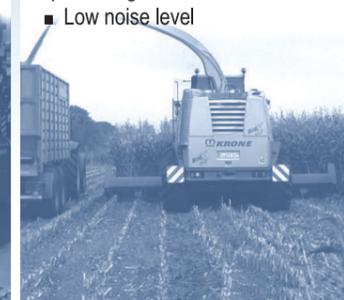
MF range

- On demand all-wheel drive
- Optimal vehicle control in work mode
- Lower fuel consumption in road mode
- Hydraulic or mechanical free-wheeling



MW 50

- From 4 333 to 5 167cm³/tr (264.5 to 315.5 cu.in/rev.)
- Up to 160 RPM
- 3 displacements
- High efficiency throughout the speed range
- Low noise level



MG range

- 90° steering angle
- Up to 450 bar (6 530 PSI)
- From 830 to 2 800 cm³/tr (51 to 154 cu.in/rev)
- Simple bolt-on mounting
- Optional pivot bracket

