



SKID-STEER SOLUTIONS

DIRECTING POWER TO THE SOURCE



SMOOTH OPERATION WITH EXCELLENT MOTOR EFFICIENCIES

FEATURES

- Integrated flushing valves
- Speed sensor options
- Soft shifting 2 → 1 & 1 → 2
- Single or dual speeds
- Integrated parking brake
- Multiple mounting options
- Splined or chain shaft
- Wheel flange for track drive

ML Radial Piston Motors

Designed specifically for a skid steer loader

- Displacement range 420 to 842 cm³/rev. [25.6 to 51.4 cu.in/rev.]
- Pressure up to 450 bar [6,527 PSI]
- Max torque displacement dependent 2 547 to 5 106 N.m [1,875 to 3,766 lbf.ft]
- Max power 30 kW [40 HP]
- Max speed displacement dependent
- Integrated claw brake

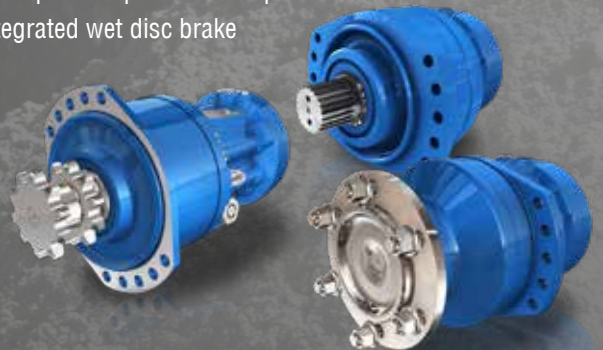


or

MS Radial Piston Motors

Modular motor design allowing for a wider range of displacements and options

- Displacement range 172 to 1 259 cm³/rev. [10.5 to 76.8 cu.in/rev.]
- Pressure up to 450 bar [6,527 PSI]
- Max torque displacement dependent 1 260 to 9 000 N.m [930 to 6,638 lbf.ft]
- Max power 18 to 50 kW [24 to 67 HP]
- Max speed displacement dependent
- Integrated wet disc brake





PM Axial Piston Pumps

- Optimizes the use of power and torque
- Displacement range 7 to 52 cm³/rev. [0.43 to 3.17 cu.in/rev.]
- Pressure up to 400 bar [5,801 PSI]
- Rated speed 3 600 rpm
- Max theoretical absorbed power 12,7 to 99,8 kW [17 to 133.8 HP]
- Tandem pumps
- Integrated bypass



KCV Valves

- Parking brake release
- 2C shift piloting
- Electrical actuation
- NG 4
- Up to 160 bar [6,527 PSI]
- Up to 16 l/min [4.23 GPM]
- Optimized flow paths for low pressure losses



A SOLUTION FOR EVERY MACHINE



Small Machines

Engine Power

Machine Weight

Travel Speed



55 kW



3 300 kg



20 kph

MOTORS >

MSE02 2X



- Single or two speeds
- Splined or chain shaft

PUMPS >

PMV0 or PM10 Tandem



VALVES >

KCV-3/2 ◀ or ▶ KCV2-3/2





Mid-size Machines

Engine Power



80
kW

Machine Weight



4 700
kg

Travel Speed



23
kph



Large Machines

Engine Power



120
kW

Machine Weight



> 4 700
kg

Travel Speed



23
kph

MS05
2X

◀ or ▶

ML06
2X



- Single or two speeds
- Splined or chain shaft

MLE06
2X

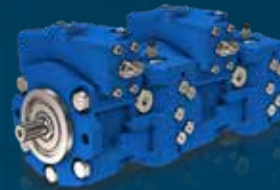


- Two speeds (1C available)
- Splined or chain shaft

PM30
Tandem



PM50
Tandem



KCV-3/2 ◀ or ▶ **KCV2-3/2**



KCV-3/2 ◀ or ▶ **KCV2-3/2**



We are worldwide with local experts that understand the local market's specific needs including specialized support for design and full system layout to provide you with the most innovative products on the market today.

Our facilities span across three continents and include research, design, manufacturing, and logistics for a global footprint.

We are a family owned business that focuses on long term strategic partnerships with our customers. With over 25 years of experience delivering solutions for skid steer loaders, Poclain motors can be found on over 100,000 skid steer loaders worldwide.

HOW TO ORDER

MOTOR MODEL CODES

		Splined shaft	Chain Shaft
MSE02	Single Speed	MSE02-2-1LU-T03-2A80-Y3JMZ	MSE02-2-1LU-T03-2AC5-Y3JMZ
	Two Speeds	MSE02-A-(E/H)LU-T03-2A80-Y3JMZ	MSE02-A-(E/H)LU-T03-2AC5-Y3JMZ
MS05	Single Speed	MS05-0-14A-T04-2A50-5EJMZ	MS05-0-14A-T04-2AC6-5EJMZ
	Two Speeds	MS05-A-BLA-T04-2A50-5EJMZ	MS05-A-BLA-T04-2AC6-5EJMZ
ML06	Single Speed	ML06-2-17A-K05-7A10-HKZ0	ML06-2-17A-K05-7131-HKZ0
	Two Speeds	ML06-2-(E/H)1A-K05-7A10-HKZ0	ML06-2-(E/H)1A-K05-7131-HKZ0
MLE06 (1C also available)	Two Speeds	MLE06-2-(E/H)1A-K05-7A10-HKZ0	MLE06-2-(E/H)1A-K05-7131-HKZ0

A Polain Hydraulic's Application Engineering will work directly with you to ensure each component is optimized for your application.

Key items to keep in mind are:

- Flushing settings (pressure and flow rate)
- Chain drive ratio and sprocket size
- Motor speed required
- Soft shift requirements and control method
- Motor mounting and chain case sealing method

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