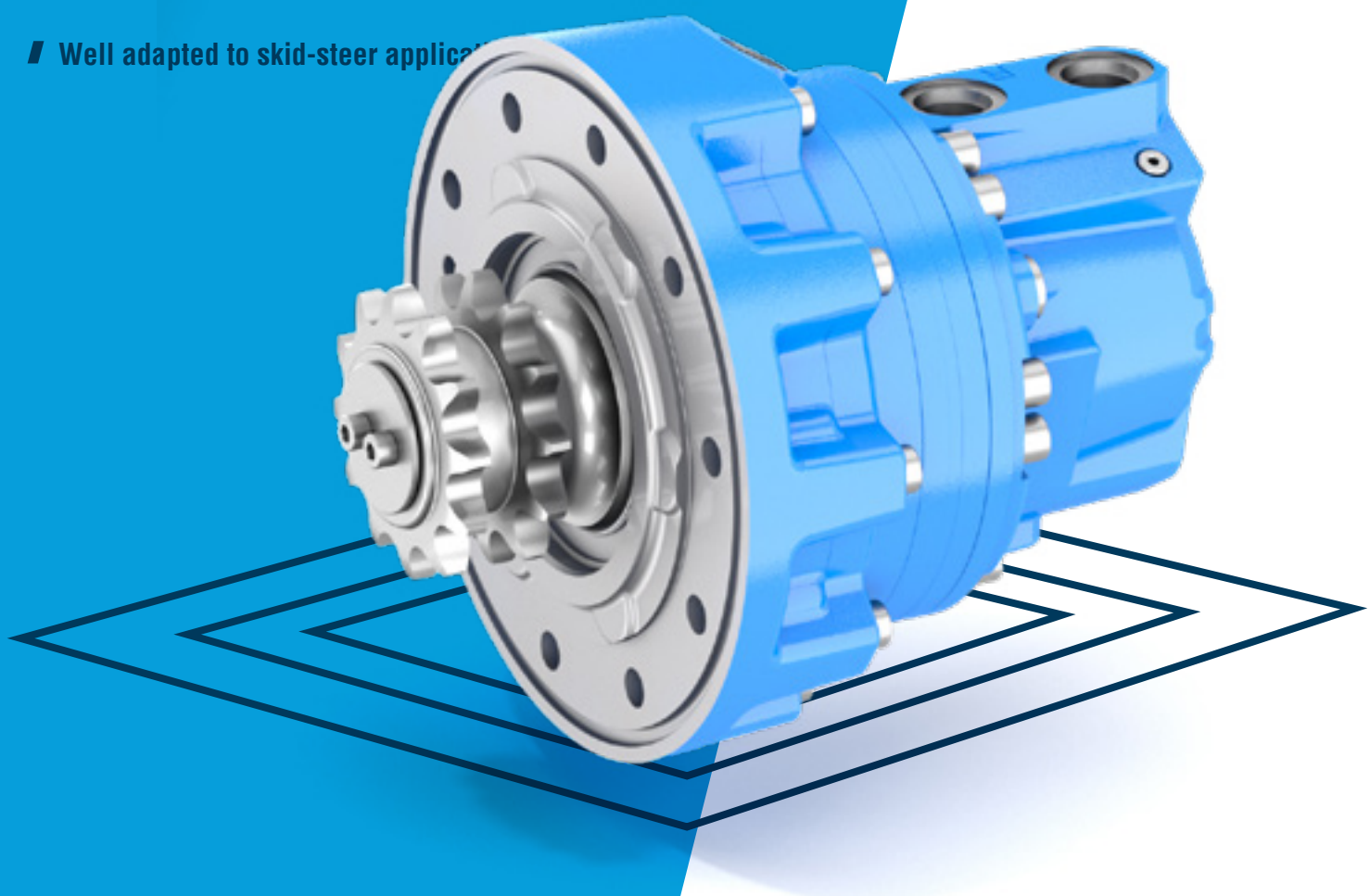
SKID-STEER MOTOR

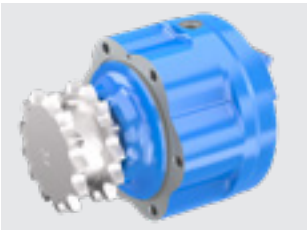
COMPACT SIZE FOR A CUSTOM FIT

- Compact motors
- Smooth speed shifting
- Integrated exchange valve
- Single or dual displacement
- Integrated brake
- Well adapted to skid-steer applica



ML / MLE

ML04 ▪ ML/MLE06





- From 174 to 842 cm³/rev. [10.6 to 51.4 cu.in/rev.]
- Up to 5 106 N.m [3,766 lbf.ft]
- Up to 450 bar [6,527 PSI]
- Up to 483 rpm
- Up to 30 kW [40 HP]



Performance

		First displacement*				Second displacement**			
	Max. Pressure bar [PSI]	Displacement range cm³/rev [cu.in/rev]	Max. Torque*** N.m [lbf.ft]	Max. Speed RPM	Max. Power kW [HP]	Displacement range cm³/rev [cu.in/rev]	Max. Torque*** N.m [lbf.ft]	Max. Speed RPM	Max. Power kW [HP]
ML04	450 [6,527]	261 - 447 [15.9] - [27.3]	3 201 [2,361]	326	25 [33]	174 - 298 [10.6] - [18.2]	2 134 [1,574]	483	20 [27]
ML06	381 [5,526]	630 [38.4]	3 820 [2,817]	226	30 [40]	420 [25.6]	2 547 [1,875]	330	20 [27]
MLE06	381 [5,526]	702 - 842 [42.8] - [51.4]	5 106 [3,766]	203	30 [40]	421 - 561 [25.7] - [34.2]	3 402 [2,509]	322	20 [27]

*Available for single or dual displacement motors
**Only available for dual displacement motors
***Max. theoretical torque (N.m) : 1/(20 π) x max. displacement (cm³/rev.) x max. pressure (bar)

Dimensions

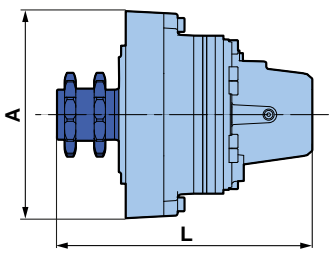
1C : One displacement
2C : Dual displacement

			ML04	ML06 MLE06
L	1C	mm [in]	336 [13.2]	330 [13.00]
	2C	mm [in]	336 [13.2]	340 [13.40]
A dia. max.		mm [in]	272 [10.7]	236 [9.29]
Weight max.*		kg [lb]	48.3 [106.5]	49 [108]

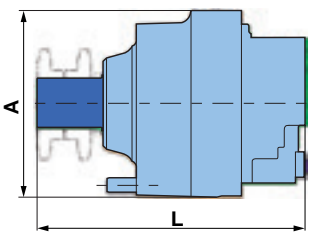
*Two displacements motor

The ML motors are designed for a skid-steer's small engine compartment. While other motors require offset layout, these compact powerhouses can be mounted back-to back, allowing for symmetric vehicle design, increased parts commonality, and easier access or vehicle maintenance.

ML04



ML06



MORE COMFORT AND PRODUCTIVITY

Softshift design and integrated exchange valve

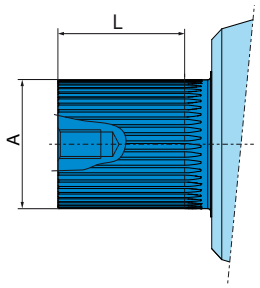
The ML06 incorporates the patented SoftShift™ two-speed design that softens the shifting of the transmission, providing smoother operation and greater operator comfort.

Additionally, an integrated exchange valve sends hot oil to the cooler while providing trouble-free cold weather performance excellent for use in snow removal applications. The unique features of the ML06 motor provide greater overall productivity to skid-steer loader operation.



Splined shaft types

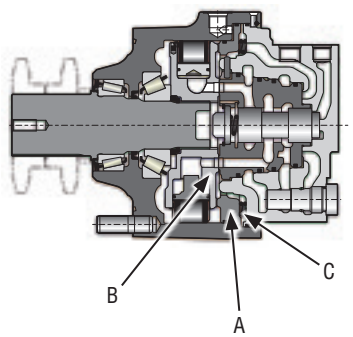
		ML06 MLE06	
Number of teeth		53	49
Standard		ANSI B92.1-1996	ANSI B92.1-1996
Accuracy class		5	5
Module		20/40	20/40
Pressure angle		30°	30°
L	mm [in]	67,8 [2.67]	67,8 [2.67]
A dia. max.	mm [in]	68,58 [2.70]	63,5 [2.50]



Integrated claw brake

Max. parking braking torque

N.m [lb.ft]	ML04	ML06
3 000 [2,213]	●	
4 500 [3,319]		●



This parking brake consists of two parts, one non rotating (A)acting as brake piston, one rotating (B) part of the cylinder block, each equiped with a row of teeth. In the absence of debraking pressure, the (C) spring maintains part A in contact with the cylinder-block, thus immobilizing it.

MS MOTORS

For small and big skid-steers

Poclain Hydraulics motors are designed to power skid-loaders of 600 kg [1,323 lb] to 1 800 kg [4,000 lb] SAE rated lift capacity.
The ML06 is best applied to loaders ranging betwen 800 kg [1,764 lb] and 1 250 kg [2,756 lb] capacity.

	Displacement range cm³/rev [cu.in/rev]	Max. Torque N.m [lbf.ft]	Skid-loader SAE rated lift capacity kg [lb]
MS02	172 to 255 [10.5 to 15.6]	1 800 [1,227]	600 to 800 [1,323 to 1,764]
MSE02	332 to 398 [20.2 to 24.3]	2 500 [1,843]	

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