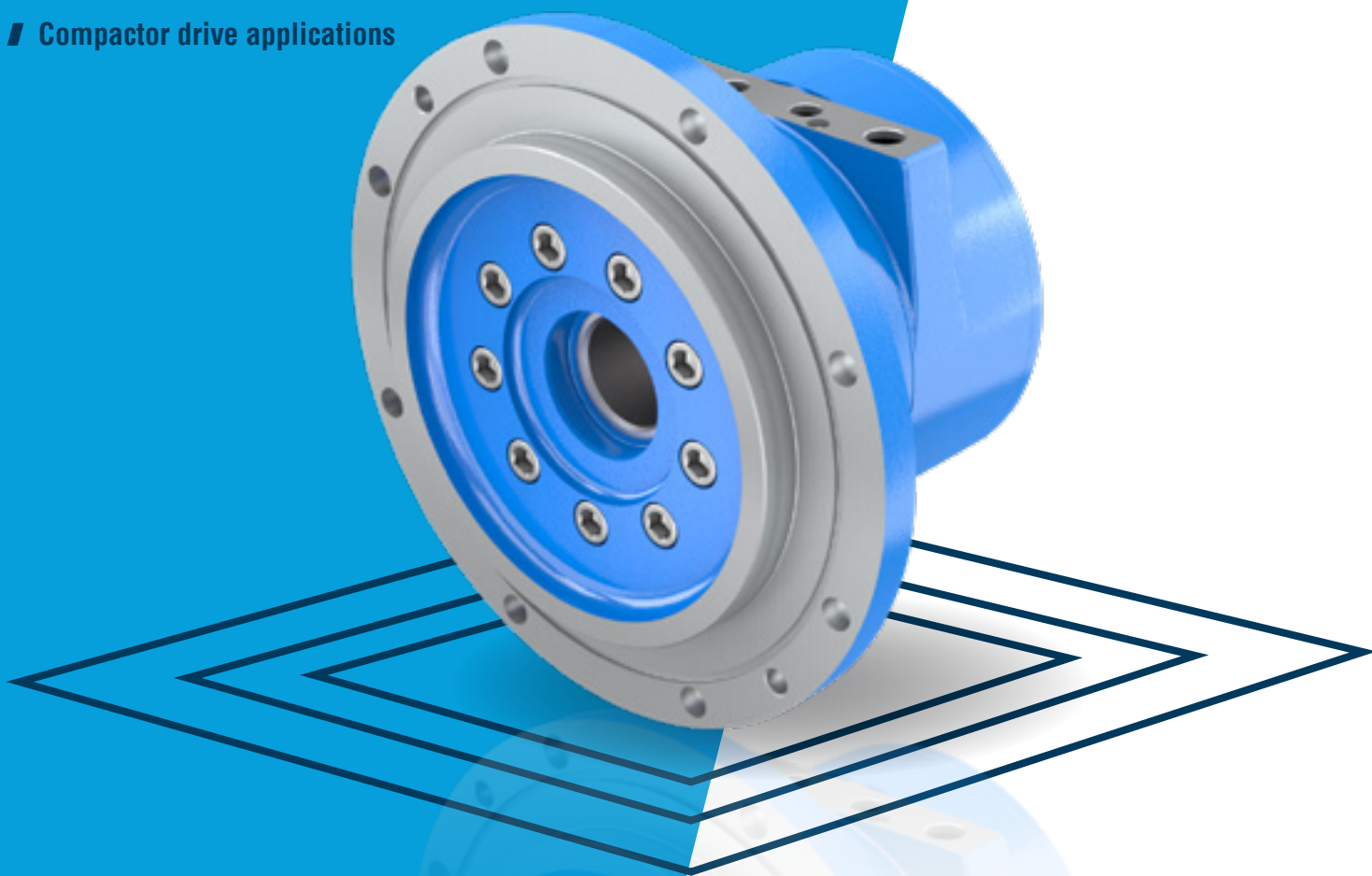
COMPACTNESS
THE SHORTEST AXIAL DIMENSION

- Ultra-short motors
- Large diameter 4 contact roller bearing
- Single or dual displacement
- With or without brake
- Compactor drive applications



MK / MKD / MKE

MK/MKD04 ▪ MK05
MK09 ▪ MK/MKE12

From 272 to 1 356 cm^3/rev. [16.6 to 82.7 cu.in/rev.]
Up to 9 710 N.m [7,162 lbf.ft]
Up to 450 bar [6,530 PSI]
Up to 130 rpm
Up to 41 kW [55 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]
MK04	400 [5,802]	272 - 408 [16.6] - [24.9]	2 600 [1,918]	120	18 [24]	- -	- -	-	- -
MKD04	400 [5,802]	456 - 545 [27.8] - [33.2]	3 470 [2,559]	90	18 [24]	- -	- -	-	- -
MK05	400 [5,802]	272 - 670 [16.6] - [40.9]	4 265 [3,146]	130	22,5 [30]	- -	- -	-	- -
MK09	400 [5,802]	667 - 1 000 [40.7] - [61.0]	6 370 [4,698]	100	30 [40]	- -	- -	-	- -
MK12	450 [6,527]	627 - 934 [38.2] - [57.0]	6 690 [4,934]	100	41 [55]	313 - 467 [19.1] - [28.5]	3 345 [2,467]	100	27 [36]
MKE12	450 [6,527]	1 043 - 1 356 [63.6] - [82.7]	9 710 [7,162]	100	41 [55]	521 - 678 [31.8] - [41.4]	4 855 [3,581]	100	27 [36]

*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)

Chassis fixation types







	On the bearing support Circular	On the valving cover Two lugs	From rear of motor
MK04	●		
MKD04	●		
MK05			●
MK09			●
MK12		●	
MKE12		●	



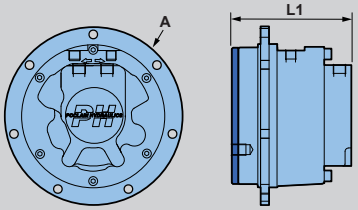
Dimensions

1C : One displacement
2C : Dual displacement

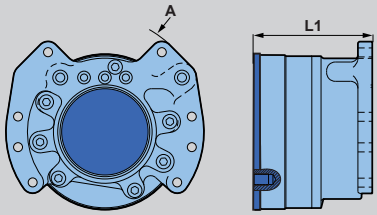
			MK04	MKD04	MK05 axial	MK05 radial	MK09	MK12 MKE12
L1	1C	mm [in]	174 [6.85]	176,2 [6,93]	165 [6,5]	146,5 [5.77]	247,6 [9.75]	249 [9.8]
	2C	mm [in]	- [-]	- [-]	- [-]	- [-]	- [-]	283 [11.14]
L2 max.*	1C	mm [in]	- [-]	- [-]	- [-]	- [-]	- [-]	- [-]
	2C	mm [in]	- [-]	- [-]	- [-]	203,5 [8.01]	- [-]	- [-]
A dia. max.		mm [in]	256 [10.08]	256 [10.08]	302 [11.89]	240 [9.45]	335 [13.81]	355 [13.19]
Weight max.**		kg [lb]	31 [68]	32 [70]	35 [77]	40 [88]	72 [158]	82 [180]

* Wheel motor with the longest multidiscs brake.
** Full displacement wheel motor with multidiscs brake.

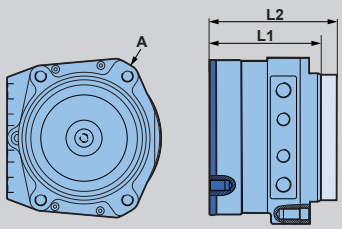
MK04 / MKD04



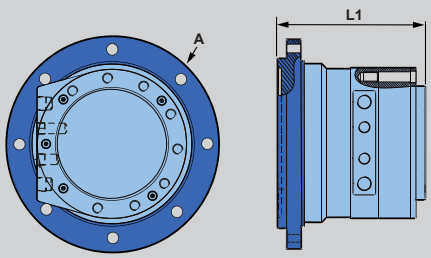
MK05 axial ports



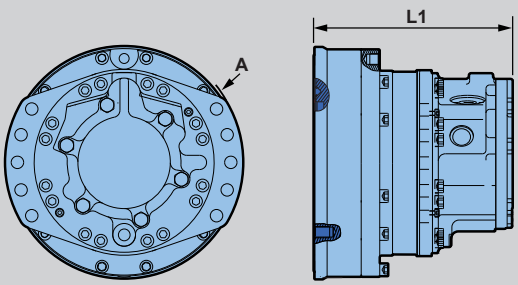
MK05 radial (with optional rear brake)



MK09



MK12-MKE12



Brakes

Multidisc parking brake mounted at the rear of the motor

- Parking brake release pressure: 12 to 30 bar [174 to 435 PSI]

Max. parking braking torque

	N.m [lb.ft]	MK05
T04	3 600 [2,655]	●
T07	7000 [5,160]	●

MK05 with brake mounted at the rear of the motor



Multidisc integrated parking brake

- Parking brake release pressure: 12 to 30 bar [174 to 435 PSI]

Max. parking braking torque

	N.m [lb.ft]	MK09
Integrated brake	6050 [4,460]	●

MK09 with integrated brake and hollow shaft



Multidisc parking brake mounted in the bearing support

- Parking brake release pressure: 12 to 30 bar [174 to 435 PSI]

Max.parking braking torque

	N.m [lb.ft]	MK12 MKE12
Brake in bearing support	9 000 [6,640]	●



Claw brake

- Parking brake release pressure: 17 to 30 bar [246 to 435 PSI]

Max. parking braking torque

	N.m [lb.ft]	MK04	MKD04	MK05*
Claw brake	3 170 [2,338]	●	●	
	3 500 [2,580]			●

* With axial ports

MK04 with Claw brake



Optional features

Temperature control

	MK04	MKD04	MK05	MK09	MK12
Exchange valve					
High efficiency (zero clearance pistons/ring)		●		●	●
Additional case flushing port	●			●	●

Speed

	MK04	MKD04	MK05	MK09	MK12
High speed / Low pressure drop (Butterfly valving)		●			
Speed sensor	●	●	●	●	●

Reinforcement

	MK04	MKD04	MK05	MK09	MK12
Extra long life (Diamond™)		●		●	●
PEEK bushing (against high temperature)	●	●	●	●	●
Reinforced back plate					●
Brake lock plate (for high speed motor fixation)				●	
Reinforced front flange	●	●	●	●*	●

* Standard

Hollow shaft

MK04	MKD04	MK05	MK09	MK12
●	●	●	●*	●

* Standard

MK12 with hollow shaft



MK09 with hollow shaft



