

Open & Closed Circuit. Variable Displacement Motor. **CMV.**

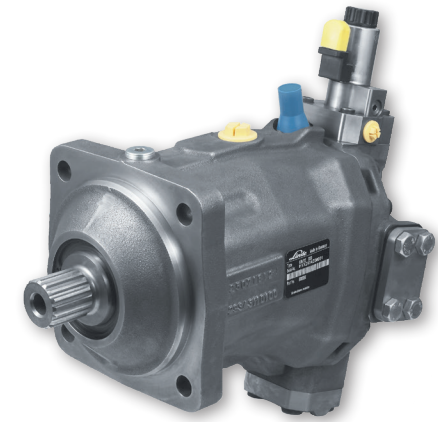
Design characteristics

- Axial piston motor in bent axis design
- Standardized interfaces
- Speed sensor optional

Product advantages

- High speeds
- High power density
- Low windage losses

With the next generation of the bent axis motors, Linde Hydraulics expands its customer oriented portfolio of high-quality components for hydraulic systems. Due to their standardized interfaces, e.g. the plug-in flange according to ISO, the CMV and CMF fit a high variety of applications, without the need of adaptors. The motors enable a more cost effective operation of the respective applications thanks to low windage losses and lighter weight.



**SIZE AT DEVELOPMENT
STAGE. CONTACT US!**

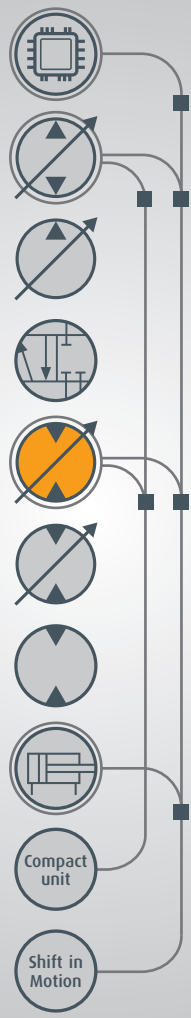
General technical data

CMV								
Nominal size			60	85	115	140	170	215
Displacement	Max. displacement	cc/rev	60	85	115	140	170	215
	Max. operating speed at V _{max}	rpm	4450	3900	3550	3250	3100	2900
Speed	Max. speed at V _{max} *	rpm	on request					
	Max. operating speed at V _{min}	rpm	7200	6800	6150	5600	4900	4600
	Max. speed at V _{min} *	rpm	on request					
	Nominal pressure	bar	450	450	450	450	450	450
Pressure	Max. pressure**	bar	500	500	500	500	500	500
	Max. housing pressure	bar	2.5	2.5	2.5	2.5	2.5	2.5
	Output torque (Δp=430 bar and Vmax)	Nm	411	582	787	958	1163	1471
Corner power	(Vmax x nmax at Vmin x Δp 430 bar)	kW	191	238	293	336	378	447
Weight	approx. (without oil)	kg	27.7	36.3	44.8	59.2	62.1	76.4

Customer interfaces

	Control options					Sensors	Flanges			Shafts****			Ports****			
Electro-hydraulic	Proportional	2-Position	default = Vmin (positive control)	default = Vmax (negative control)	Pressure override	Speed	ISO 3019-1 (SAE J 744)	ISO 3019 - 2 (metric)	Plug-in ISO 3019 - 2	ISO 3019-1 (SAE J 744) ANSI B92.1-1970	Companion flange SAE J 1946 Typ A	DIN 5480	Work ports	ISO 6162-2 Side ports	ISO 6162-2 Twin ports (rear)	ISO 6149 - 1
Hydraulic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* highest transient speed, that can temporarily occur | ** highest transient pressure, that can temporarily occur | **** Availability depends on nominal size



LEARN MORE
CMV