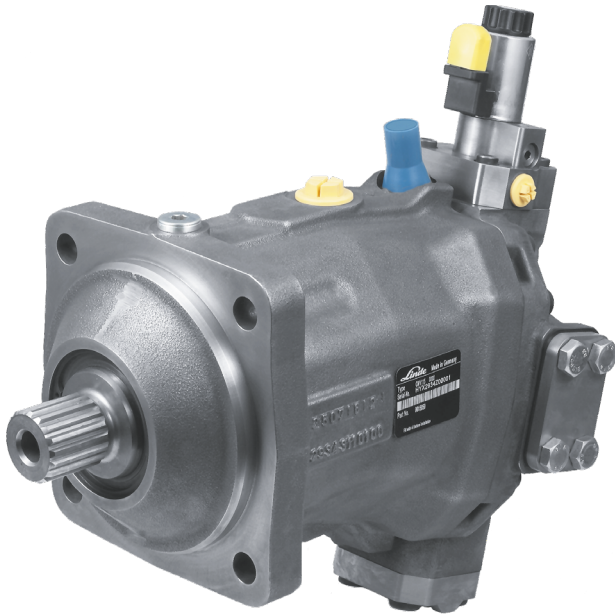


CMV

Variable displacement Bent axis motor

Linde Hydraulics

Linde

With the next generation of the bent axis motors, Linde Hydraulics expands its customer oriented portfolio of high-quality components for hydraulic systems.

The variable displacement motor CMV is characterized by its high external load and speed capacity. Due to its standardized interfaces, e.g. the plug-in flange according to ISO, the CMV fits a high variety of applications, without the need of adaptors.

Low windage losses in combination with the low weight of the motor support the cost-effective operation of the application.

Design features

- >> Variable displacement bent axis motor
- >> Standardized interfaces
- >> Speed sensor optional

Advantages

- >> High power density
- >> High speeds
- >> Low windage losses

General technical data



Nominal size			60	85	115	140	170	215
Displacement	Maximum displacement	cc/rev	60	85	115	140	170	215
	Maximum operating speed at Vmax	rev/min	4450	3900	3550	3350	3100	2900
Speed	Maximum operating speed at Vmin	rev/min	7200	6800	6150	5800	4900	4600
	Nominal pressure	bar	450	450	450	450	450	450
Pressure	Maximum pressure ¹	bar	500	500	500	500	500	500
	Maximum housing pressure	bar	2.5	2.5	2.5	2.5	2.5	2.5
	Torque (theoretical)	Output torque at $\Delta p = 430$ bar and Vmax	Nm	411	582	787	958	1163
Corner power		kW	191	238	293	336	378	447
Weight (without oil) approx.		kg	27.7	36.0	44.0	59.0	62.0	76.4

¹ highest transient pressure, that can temporarily occur

CMV

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Customer interfaces

Shafts

>> DIN 5480

>> ANSI B92.1 – 1970

>> More shafts upon request

Flanges

>> ISO 3019 – 1 (SAE J744)

>> ISO 3019 – 2 (metric)

>> Plug-in ISO 3019 – 2

>> More flanges upon request

Ports

>> **Work ports** ISO 6162 – 2

- Side Ports

- Twin Ports

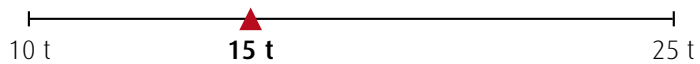
>> **Threaded ports** ISO 6149 – 1

>> More ports upon request

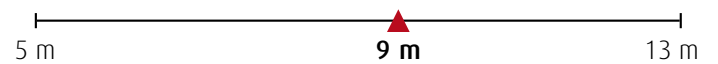
Application examples



Category



Category



Equipment

- A** 1 x HPV 105-02 E1 + 1x HPV 55-02 E5
- B** 1 x CMV 115
- C** 1 x HMF 35-02
- D** 1 x CMV 60 Plug-in

Equipment

- A** 2 x HPV 55-02 E1P
- B** 2 x CMV 60 Plug-in

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