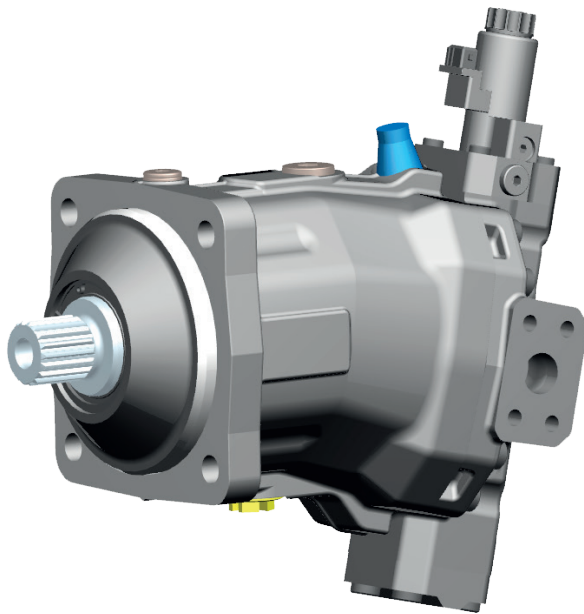


CMV

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 CMF 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.

Advantages

- >> high power density
- >> high speeds
- >> low windage losses

Design features

- >> variable displacement bent axis motor
- >> standardized interfaces
- >> speed sensor optional

General technical data

Nominal size			60	85 ²	115	140	170
Displacement	Maximum displacement	cc/rev	60	85	115	140	170
	Maximum operating speed at Vmax	rev/min	4450	3900	3550	3350	3100
Speed	Maximum operating speed at Vmin	rev/min	7200	6800	6150	5800	4900
	Nominal pressure	bar	450	450	450	450	450
Pressure	Maximum pressure ¹	bar	500	500	500	500	500
	Maximum housing pressure	bar	2.5	2.5	2.5	2.5	2.5
Torque (theoretical)	Output torque at $\Delta p = 430$ bar and Vmax	Nm	402	570	771	939	1140
Corner power		kW	191	238	293	336	378
Weight (without oil) approx.		kg	27.7	36.0	44.0	59.0	62.0

¹ highest transient pressure, that can temporarily occur

² at the planning stage

CMV

Variable displacement Bent axis motor

Linde Hydraulics

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

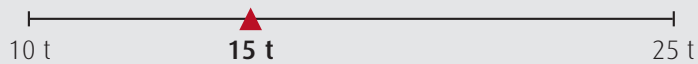
>> Threaded ports ISO 6149 – 1

>> More ports upon request

Application examples



Category



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

Category



Equipment

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

Linde Hydraulics GmbH & Co. KG

Wailandtstraße 13

63741 Aschaffenburg

Fon +49 6021 150 00

Email info@linde-hydraulics.com

Web <http://www.linde-hydraulics.com>