

CMF

Fixed 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 fixed displacement motor CMF 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.

Design features

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

Advantages

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

General technical data

Nominal size		
Displacement		cc/rev
Speed	Maximum operating speed	rev/min
	Maximum speed ¹	rev/min
Pressure	Nominal pressure	bar
	Maximum pressure ²	bar
	Maximum housing pressure	bar
Torque	Output torque at $\Delta p = 430$ bar	Nm
Corner power (theoretical)		kW
Weight (without oil) approx.		kg

	80
	80
	4500
	5000
	450
	500
	2.5
	547
	258
	23.0

¹ highest transient speed, that can temporarily occur

² highest transient pressure, that can temporarily occur

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Customer interfaces

Shafts

>> **ANSI** B92.1 – 1970 SAE 16/32, 21 T

>> **DIN** 5480 – W40x2x30x18x9g

>> More shafts upon request

Flanges

>> **ISO** 3019 – 1/127 – 4
(SAE J744; SAE C)

>> **ISO** 3019 – 2 - 140B4HL

>> **Plug-in ISO** 3019 – 2/190 – 2

>> More flanges upon request

Ports

>> **Work ports** ISO 6162 – 2

- Side Ports

- Twin Ports

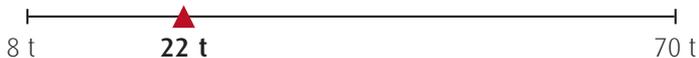
>> **Threaded ports** ISO 6149 – 1

>> More ports upon request

Application examples



Category



Category



Equipment

- A** 2 x HPV 135-02 E1
- B** 1 x HPR 75-02 LP
- C** 1 x VW14 M3
- D** 1 x HMV 280-02 E1
- E** 1 x CMF 80

Equipment

- A** 2 x HPR 210-02
- B** 1 x VT8
- C** 1 x CMF 80
- D** 1 x HMR 135-02

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