

North American Hydraulics, (NAHI, LLC), partnering with Linde bent axis hydraulic motors.

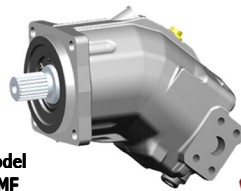
Features and Options:

- Stepless or two position control
- Electric or hydraulic control
- Override pressure control
- Brake pressure shut off
- Can be set to 0 cm³/rev
- Double motor or pump available

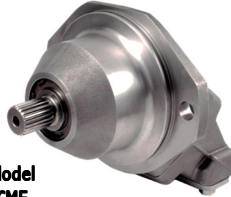
Benefits:

- Smooth low-speed operation
- High starting torque
- Wide torque/speed range
- Highly dynamic response
- Compact design
- High power density/reliability
- Highest efficiency available

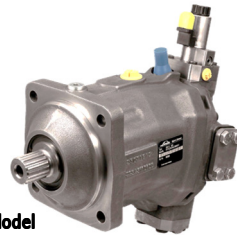
Model
CMF
SAE



Model
CMF
Cartridge



Model
CMV
SAE



Model
CMV
Cartridge



Bent Axis Hydraulic Motors Solution Providers



CMF Series – Fixed Displacement Bent Axis Fixed Motors

Model	Displacement		Max Speed rpm	Max Pressure psi	Output Flange	Output Shaft
	in ³	cc				
CMF 80 SAE	4.88	80	5000	7250	SAE C4B	14T or 21T
CMF 80 ISO*					Ø190	W40

* Cartridge (Plug In) Version

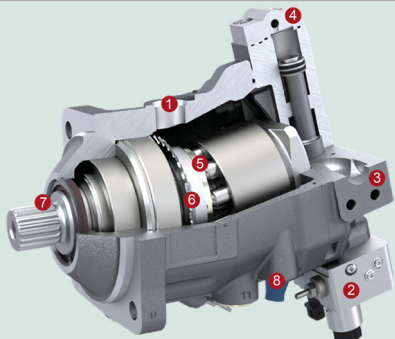
CMV Series – Variable Displacement Bent Axis Motors

Model	Displacement (max)		Max Speed rpm	Max Pressure psi	Output Flange	Output Shaft
	in ³	cc				
CMV 060 SAE	3.66	60	7200	7250	SAE C4B	14T
CMV 060 CT					160-2B	W35
CMV 085 SAE	5.18	85	6800		SAE C2B	17T/21T
CMV 085 CT					190-2B	W40
CMV 115 SAE	7.02	115	6150		SAE D4B	13T/23T
CMV 115 CT					200-2B	W40/W45
CMV 140 SAE	8.54	140	5600		SAE D4B	13T/27T
CMV 140 CT					200-2B	W45
CMV 170 SAE	10.37	170	4900		SAE D4B	13T/15T/27T
CMV 170 CT					200-2B	W45/W50
CMV 215 SAE	13.12	215	4600	SAE E4B	15T	
CMV 215 CT				*	W50	

CT = Cartridge (Plug In) Version

* = In Development

- 1 Robust design bent axis motor with high power density - suitable for a wide range of applications
- 2 High flexibility due to modular concept of various base and override functions (e.g. pressure side selection)
- 3 High functional reliability due to optimized flow concept - even under adverse operating conditions
- 4 Asymmetrically damped changeover switch to prevent housing pressure peaks and vibrations
- 5 Rotating group with variable displacement and high speed capability
- 6 Sensor for speed and direction of rotation
- 7 Standardized interfaces for easy replacement without the need of application
- 8 Thread for mounting of lifting devices enables easy handling



Please contact NAHI for additional information
The above information should be used as a guide and is subject to change without notice.
Please contact NAHI for proper selection.

Variable Controls Options

Name	Type
00	Electric, No displacement controller, default position = $V_{g_{min}}$, Max controlled = $V_{g_{min}}$
E2	Electric, 2-position (negative control, minimum $V_{g_{min}} = 0$), default position = $V_{g_{max}}$, Max controlled = $V_{g_{min}}$
E4	Electric, Proportional, default position = $V_{g_{max}}$, Max controlled = $V_{g_{min}}$, ($\Delta I = 35$ to 90% of IG resolution, negative control, minimum $V_{g_{min}} = 0$)
E5	Electric, 2-position (positive control, minimum $V_{g_{min}} = 0$), default position = $V_{g_{min}}$, Max controlled = $V_{g_{max}}$
E6	Electric, Proportional, default position = $V_{g_{min}}$, Max controlled $V_{g_{max}}$, ($\Delta I = 35$ to 90% of IG resolution, positive control, minimum $V_{g_{min}} = 0$)
HC	Hydraulic, Proportional, default position = $V_{g_{max}}$, Max controlled $V_{g_{min}}$, ($\Delta p_{St} = 4.5$ bar resolution, reference pressure = boost pressure, negative control, minimum $V_{g_{min}} = 0.25 V_{max}$)
H2	Hydraulic, 2-position (reference pressure = case pressure, negative control, minimum $V_{g_{min}} = 0$) default position $V_{g_{max}}$, Max controlled = $V_{g_{min}}$
H4	Hydraulic, Proportional ($\Delta p_{St} = 6$ bar resolution, reference pressure = case pressure, negative control, minimum $V_{g_{min}} = 0$), default position $V_{g_{max}}$, Max controlled = $V_{g_{min}}$
H5	Hydraulic, 2-position (reference pressure = case pressure, positive control, minimum $V_{g_{min}} = 0$) default position $V_{g_{min}}$, Max controlled $V_{g_{max}}$
H6	Hydraulic, Proportional ($\Delta p_{St} = 6$ bar resolution, reference pressure = case pressure, positive control, minimum $V_{g_{min}} = 0$), default position $V_{g_{min}}$, Max controlled $V_{g_{max}}$