

# Open & Closed Circuit. Fixed Displacement Motor. HMF-02/HMA-02.



### Design characteristics

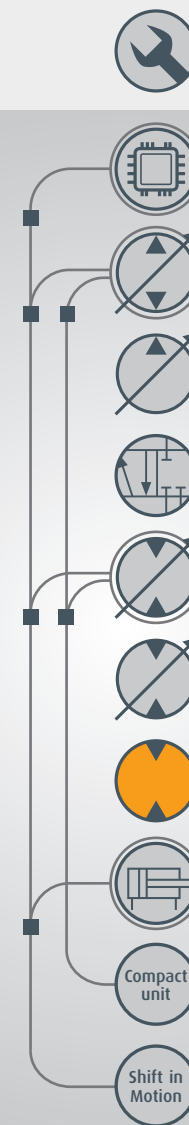
- Fixed displacement swashplate motor
- High pressure relief valves set fixed or variable opt.
- Robust and simple design
- Hydrostatic plain bearing of the swashplate

### Product advantages

- Steady low speed
- High power density
- Reliable and easy to maintain

### General technical data

HMF-02/HMA-02			28	35	55	63	75	85	105	135	165	210	280
Nominal size													
Displacement		cc/rev	28.6	35.6	54.7	63	75.9	85.6	105	135.6	165.6	210	281.9
Speed	Max. operating speed		4500	4500	4100	3900	3800	3600	3500	3200	3100	2700	2400
	Max. speed*		4800	4800	4400	4200	4100	3850	3800	3500	3400	3000	2700
Pressure	Nominal pressure		450	450	450	450	450	450	450	450	450	450	450
	Max. pressure**		500	500	500	500	500	500	500	500	500	500	500
	Max. housing pressure		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Torque		( $\Delta p=430$ bar; charge press.=20 bar)	196	244	374	431	519	586	719	928	1133	1438	1929
Corner power (theor.)		( $V_{max} \times n_{max} \times \Delta p$ 430 bar)	92	115	161	176	207	221	263	311	368	407	485
Weight (approx.)***		(without oil)	16	16	19	24	26	33	33	39	76	101	146



### Customer interfaces

Sensors		Flanges			Shafts****			Through drive	Ports****		
Speed	✓	SAE B	2 hole ✓	4 hole	ISO 3019-1 (SAE J 744) ANSI B92.1-1970	Compagnon flange SAE J 1946 Typ A	DIN 5480	Only for nominal sizes 210, 280	Work ports	ISO 6162-2 Radial ✓	ISO 6149 - 1
		SAE C	✓								
		SAE D	✓								
		SAE E		✓							
		Threaded ports		✓							

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



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HMF-02 / HMA-02