



HMF-02.

Fixed displacement motors for open and closed loop applications.

Design characteristics

- >> axial piston motor in swashplate design for high pressure open and closed loop systems
- >> optimized starting and low speed behaviour
- >> purge valves for circuit and case flushing optional
- >> high pressure relief valves set fixed or variable optional
- >> SAE high pressure ports radial or axial
- >> SAE mounting flange with ANSI or SAE spline shaft

Additional functions integrated for swing and winch drives

- >> directional control valve function swing
- >> torque control function
- >> high pressure relief valves with controllable characteristic
- >> priority function
- >> secondary relief combined with make up function
- >> discharge function

Product advantages

- >> steady low speed
- >> high starting torque
- >> compact design
- >> high power density
- >> high reliability
- >> long service life

HMF-02		28	35	50	75	105	135
Max. displacement	cm ³ /rev	28.6	35.6	51.3	75.9	105	135.6
Max. operating speed	rpm	4500	4500	4100	3800	3500	3200
Max. speed (intermittent)	rpm	4800	4800	4400	4100	3800	3500
Nominal pressure	bar	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500
Continuous output torque	Nm	112	139	204	298	418	537
Max. output torque	Nm	187	234	327	502	702	903
Continuous power	kW	54	67	88	120	153	181
Max. power	kW	96	120	141	202	257	304
Weight (approx.)	kg	16	16	19	26	33	39