



## HMV-02.

Variable displacement motors for closed and open loop operation.

### Design characteristics

- >> axial piston motor in swashplate design for high pressure closed and open loop systems
- >> optimized starting and low speed behaviour
- >> purge valves for circuit and case flushing optional
- >> stepless or 2-position control
- >> electric or hydraulic controls
- >> superposed pressure control optional
- >> brake pressure shut off optional
- >> swashing to 0 cc/rev
- >> high pressure relief valves available
- >> through shaft with free shaft end or with coupling flange
- >> SAE high pressure ports radial or axial
- >> SAE mounting flange with ANSI or SAE spline shaft
- >> plug-in version optional
- >> speed sensor optional
- >> double motor available

### Controls

- >> H1 hydraulic stepless
- >> H2 hydraulic 2-position
- >> H4 hydraulic stepless  $V_{min}=0$  cc/rev
- >> E1 electro-hydraulic stepless
- >> E2 electro hydraulic 2-position
- >> E4 electro hydraulic stepless  $V_{min}=0$  cc/rev
- >> E6 as E4 with inverted shifting

### Product advantages

- >> jerk-free low speed
- >> high starting torque
- >> large conversion range
- >> zero angle possible
- >> dynamic response
- >> PTO Through-Drive Motor
- >> compact design
- >> high power density
- >> high reliability
- >> long service life

HMV-02		55	75	105	135	165	210	280
Max. displacement	cm <sup>3</sup> /rev	54.8	75.9	105	135.6	165	210	280
Max. operating speed at $V_{max}$	rpm	4100	3800	3500	3200	3100	2700	2400
Max. speed (intermittent) at $V_{min}$	rpm	5300	5000	4700	4000	3900	3500	3200
Nominal pressure	bar	420	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500	500
Continuous output torque	Nm	218	302	418	540	657	836	1114
Max. output torque	Nm	366	508	702	907	1104	1404	1872
Continuous power	kW	94	120	153	181	213	236	280
Max. power	kW	157	202	257	304	358	397	470
Weight (approx.)	kg	28	32	42	56	76	101	146