



HPV-02. Variable pumps for closed loop operation.

Design characteristics

- >> axial piston pump in swashplate design for high pressure closed loop systems
- >> clockwise or counter clockwise rotation
- >> exact and rugged servo control devices (mechanical, hydraulic, electro-hydraulic)
- >> integrated high pressure relief valves with make-up function
- >> integrated low pressure relief valves for boost, control and cooler circuits
- >> replaceable cartridge filter
- >> SAE high pressure ports
- >> SAE mounting flange with ANSI or SAE spline shaft
- >> through shaft SAE A, B, B-B and C
- >> boost pressure pumps for internal and external suction, integrated cold start relief valve optional
- >> optional tandem and multiple pumps

Controls

- >> M1 mechanical lever
- >> H1 hydraulic pilot
- >> E1 electro-hydraulic
- >> E2 electro-hydraulic with safety function
- >> further control options, e.g. power regulator

maximum pressure control optional

Product advantages

- >> compact design
- >> high power density
- >> dynamic response
- >> high reliability
- >> long service life
- >> noise-optimized
- >> precise and load-independent

HPV-02		55	75	105	135	165	210	280
Max. displacement	cm ³ /rev	54.8	75.9	105	135.6	165	210	280
Permissible speed	rpm	3300	3100	2900	2700	2500	2300	2000
Max. speed (intermittent)	rpm	3700	3500	3200	2900	2700	2500	2200
Nominal pressure	bar	420	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500	500
Continuous input torque	Nm	220	305	420	540	660	840	1115
Max. input torque	Nm	350	485	670	870	1100	1400	1785
Continuous power	kW	75	98	127	153	170	200	234
Max. power	kW	121	157	204	245	275	320	373
Weight with M1 Control (approx.)	kg	42	47	58	72	95	132	158