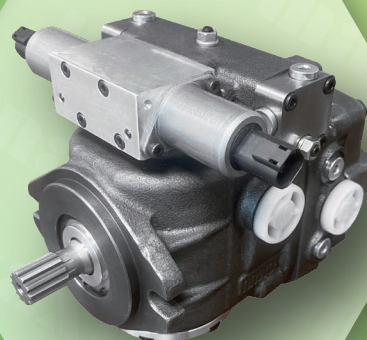
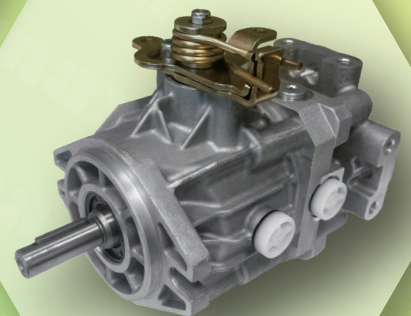


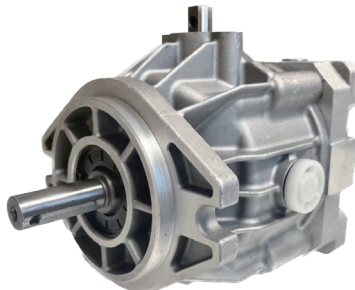
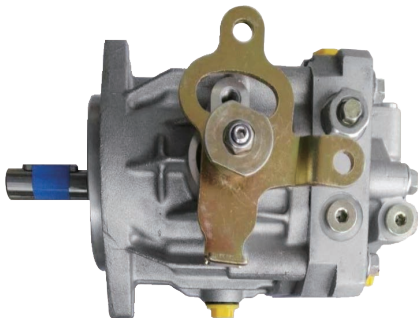


Variable Displacement Closed Loop Axial Piston Pumps



MAXMA FLUID POWER INC.

SPECIFICATIONS / PUMP MODEL		VP01-10	VP01-12	VP01-18	VP01-22
Displacement	cc/rev (in ³ /rev)	10.2 (0.62)	12.5 (0.76)	17.8 (1.09)	21.9 (1.34)
Input Speed (rpm)	Maximum (No Load)	3600			
	Minimum (Loaded)	1800			
Operating Pressure	Continuous bar (psi)	100 (1450)			
	Intermittent bar(psi)	145 (2100)			
	Peak bar(psi)	240 (3500)			
Pump Performance l/min (US gpm)	Peak bar(psi)	17.4 (4.6)	21.3 (5.6)	30.4 (8.1)	37.4 (9.9)
	@1800 rpm	34.8 (9.2)	42.6 (11.3)	60.7 (16.1)	74.3 (19.7)
Case Pressure bar (psi)	Maximum (Cold Start)	0.7 (10)		1.5 (25)	
	Continuous (Max)	0.3 (4.3)		0.7 (10)	
Suction pressure (absolute)	Max. bar (psi)	>=0.8 (12)			
Charge Pump Displacement(s)	cc/rev (in ³ /rev)	2 (0.13)	3.2 (0.2)	4 (0.25)	
Auxiliary mounting flange	(Optional)	SAE A			
Operating Temperature Range	°C (°F)	-23 ~ 90 (-9.5~199)			
Fluid Viscosity cSt (SUS)	Minimum	9 (42)			
	Continuous	12 ~ 80 (56 ~370)			
Inlet Filtration Requirement	µm	25			
Weight of Unit	Kg (lbs)	3.6 (7.94)	4 (8.82)	6.2 (13.67)	6.2 (13.67)

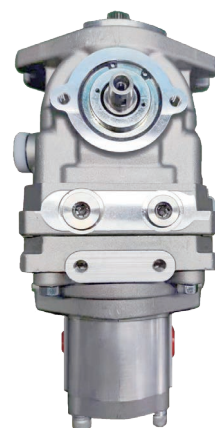
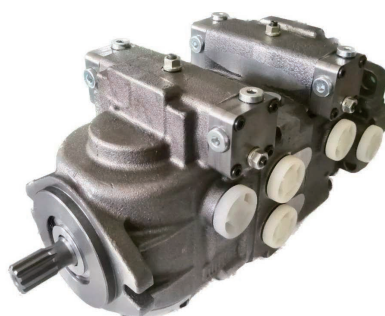
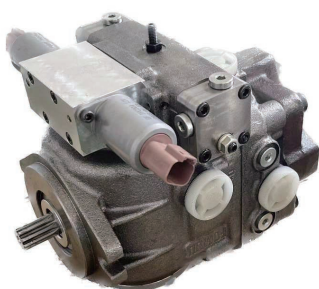


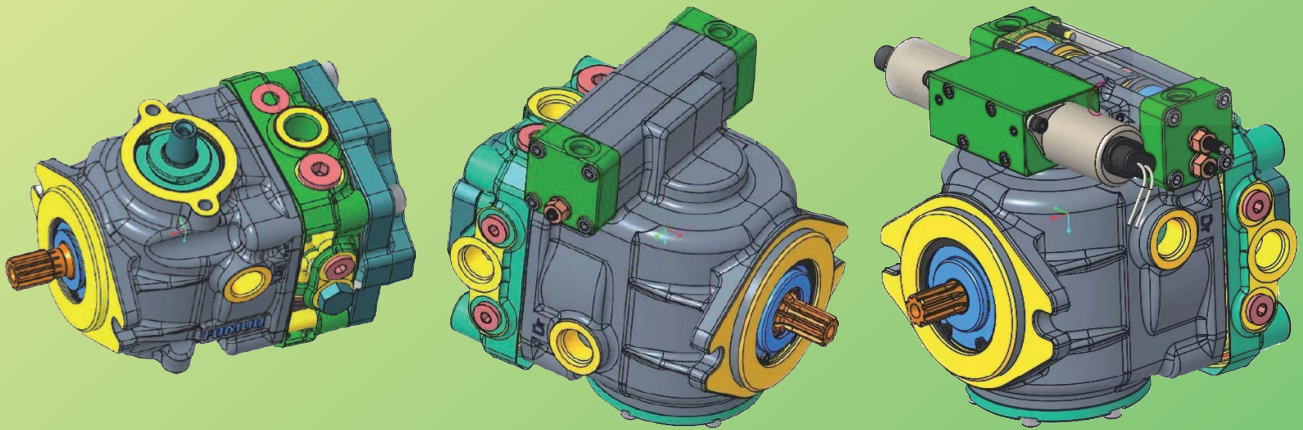
SERISE		VP02 Cast Iron Pump					VP02 Cast Aluminum Pump	
Specification		VP02-11	VP02-13	VP02-17	VP02-19	VP02-21	VP02-22	VP02-25
Displacement	cc/rev (in ³ /rev)	11.1(0.68)	13.2(0.81)	17.1(1.06)	19.3(1.18)	21.2(1.29)	22(1.34)	25(1.52)
Flow rating ⁽¹⁾	l/min (US gpm)	39.8 (10.5)	47.8(12.6)	61.8(16.2)	69.4(18.4)	76.3(20.2)	79.2(20.9)	88.2(23.3)
Power rating ⁽¹⁾	kw	13.9	16.6	21.5	24.3	26.7	27.7	31.5
Min. shaft speed	rpm	500					500	
Max. shaft speed	rpm	3600					3600	
Operating Pressure	bar (psi)	210 (3000)			200 (2900)		210 (3000)	
Max. Pressure	bar (psi)	300 (4350)		280 (4000)	250 (3600)		250 (3600)	
Max. relief valve setting	bar (psi)	300 (4350)		280 (4000)	250 (3600)		300 (4350)	
Charge pump displacement	cc/rev (in ³ /rev)	5 (0.31) Standard / 9 (0.55) for BTB					4 (0.24), 4.8 (0.29)	
Charge Pressure setting ⁽²⁾	bar (psi)	6 (87) (Mechanical control) 20 (290) (Hydraulic / Eletric servo control)					5 (72.5)	
Suction Pressure	bar (psi)	> =0.8 (12)						
Max. Case Pressure	bar (psi)	1.5 (22)						
Working temp.	°C (°F)	-20 ~ 80 (-4 ~ 176)						
Max. oil temp.	°C (°F)	90 (194)						
Oil viscosity	cSt (SUS)	15 ~ 36 (70 ~ 167)						
Auxillary mounting flange	(Optional)	SAE A						
Fluid contamination		22/18/15 ISO4406 (NAS 7)						
Weight of unit ⁽³⁾	Kg (lbs)	12.9 (28.5)			13.5 (29.8)		7.5 (16.5)	

(1) at 3600 rpm and 210 bar for single section

(2) at 1000 rpm

(3) Nominal data, weight varies depending on configuration and optional





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