



MPV-01/ MPR-01 variable and regulating pumps. For closed and open loop applications.

Design characteristics

- >> axial piston pump in swashplate design for medium pressure closed and open loop systems
- >> clockwise or counter clockwise rotation available
- >> compact design
- >> SAE two bolt flange with ANSI spline shaft
- >> through shaft SAE A, B and B-B
- >> tandem and multiple pumps optional

MPV

- >> for closed loop
- >> variety of servo controls
- >> integrated boost pressure pump
- >> high pressure relief and make-up valves
- >> boost pressure relief valve

Controls

- >> M1 mechanical lever
- >> H1 hydraulic pilot
- >> E1 electro-hydraulic

MPR

- >> for open loop
- >> load sensing regulator (LS)
- >> max pressure regulator
- >> rpm increase possible by tank pressurization

MPV-01		45	63
Max. displacement	cm ³ /rev	46	63
Permissible speed	rpm	3800	3500
Nominal pressure	bar	300	300
Peak pressure (intermittent)	bar	350	350
Oil flow at n max	l/min	175	221
Input torque at Vmax and p max	Nm	219	301
Max. power	kW	87	110
Weight (approx.)	kg	27	39

MPR-01		28	45	71
Displacement	cm ³ /rec	28	45	71
Continuous rated speed w/o pressurizing	rpm	3000	2600	2200
Nominal pressure	bar	280	280	280
Peak pressure (intermittent)	bar	350	350	350
Max. oil flow at n max	l/min	84	117	156
Input torque at Vmax	Nm	125	200	316
Max. power	kW	39	55	73
Weight (approx.)	kg	15	21	33