

HPV 手控变量泵

Manual control variable pump with handle



- 斜盘式轴向柱塞泵，用于闭式回路
 - 操纵斜盘摆角，可平稳改变泵排量及切换泵的进出口
 - 在各高压侧配置溢流阀用于防止液压传动系统过载
 - 内置补油泵，最大补油压力由内置溢流阀限制
 - 可根据需要串联齿轮泵
 - 超宽中位区间设计，更易找到中位
 - 低负荷操作力矩，舒适的操作手感
 - 结构紧凑、体积小、重量轻、噪音低
- Variable Axial piston pump of swashplate design for closed circuit
 - Pump displacement could be changed smoothly and input and output ports could be switched by changing swashplate angle
 - Pressure-relief valves in both pressure ports for system overload protection
 - Integrated boost pump, max.charge pressure is adjusted by a built-in pressure-relief valve
 - Through drive, tandem gear pump is available
 - Easy neutral position adjustment
 - Low operating torque, comfortable operation feel
 - Compacted design, small size, light weight, low noise

型号说明 Type code

L	H	PV2	—	37	—	L	—	01	
01	02	03		04		05		06	07

公司标识 Company identification

01	“力源液压”公司 Liyuan company	L
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控制方式 Control devices

02	手动控制 Manual control	●	●	—	H
	手动伺服控制 Manual servo control	—	—	●	HS
	电磁比例控制 Electric proportional control	—	—	○	EP

泵 Pump

03	轴向柱塞变量泵 Variable axial piston pump	●	●	●	PV
	轴向柱塞变量串联泵 Variable axial piston tandem pump	●	●	—	PV2

规格 Size

04	最大排量 Vgmax	mL/r	37	42	56	37
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旋转方向 Direction of rotation

05	从轴伸看 Viewed from drive shaft	顺时针 Clockwise	●	●	●	R
		逆时针 Counter-clockwise	●	●	●	L

滤油器形式 Filtration

06	不带滤油器 Without oil filter	●	●	●	01
	带滤油器 With oil filter	●	●	●	02

客户定制 Customization

07	根据客户需求定制 Customized according to demand	A/B/C/D.....	
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技术参数 Technical data

排量 Displacement (mL/r)	额定压力 Nominal pressure (MPa)	最高压力 Max. pressure (MPa)	转速 Speed (rpm)	理论最大传递功率 Theoretical max. power (kW)	重量 Weight (kg)
37	21	30 ⁺³	3000	61	22
2×37	21	30 ⁺³	3000	2×61	48
42	21	32 ⁺³	3000	73.5	25
2×42	21	32 ⁺³	3000	2×73.5	50
56	25	35 ⁺³	3000	106	30

● =可供货 Available ○ =可按要求订货 On request — =不可供货 Not available