

L6VE 变量柱塞马达

Variable displacement motor L6VE



- 可变插入式马达配有采用斜轴式设计的轴向锥形柱塞转子组，用于开式回路和闭式回路中的液压传动
- 马达易于安装，可插入机械齿轮箱内，非常节省空间
- 宽广的控制范围使变量马达能够满足对高转速和高扭矩的要求
- 排量可在 V_{gmax} 至 $V_{gmin}=0$ 之间无极改变
- Variable plug-in motor with axial tapered piston rotary group of bent-axis design, for hydrostatic drives in open and closed circuit
- Easy to install, simple to plug into the mechanical gearbox, extremely compact unit
- Wide control range enables the variable motor to satisfy the requirement for high speed and high torque
- Displacement can be infinitely changed from V_{gmax} to $V_{gmin}=0$

型号说明 Type code

L6V	E	107	HD1	D	/	63	W	-	V	Z	B	020	H	B	-W1XA01	-	0800
01	02	03	04	05		06	07		08	09	10	11	12	13	14		15

轴向柱塞马达 Axial piston motor

01	斜轴结构, 变量 Bent-axis design, variable displacement	L6V
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工作模式 Operation mode

02	插装式马达 Plug-in motor	E
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规格 Size

03	最大排量 V_{gmax} Max displacement V_{gmax}	107	160	107
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控制方式 Control devices

04	液控变量两点式(带差动缸) Hydraulic two-point control (With differential cylinder)	●	●	HZ1
	液控变量两点式(带换向阀) Hydraulic two-point control (With directional valve)	—	●	HZ3
	液控比例式变量 压差:1MPa Hydraulic proportional control pressure increase:1MPa	○	●	HD1
	电气控制两点式 U=24V 插头标准: DT04-2P Electric control with 2-point control U=24V Standard plug:DT04-2P	●	○	EZ2
	电气控制比例式 U=24V 插头标准: ISO 4400 Electric control with proportional solenoid U=24V Standard plug:ISO 4400	●	●	EP2
	高压自动变量 压差:1MPa Automatic control, high pressure related pressure increase:1MPa	○	○	HA1
	高压自动变量 压差:10MPa Automatic control, high pressure related pressure increase:10MPa	○	○	HA2

压力控制/越权控制 Pressure control/Overriding control

05	不带压力控制,仅用于 HD, EP, EZ(无标识) Without pressure control, only for HD,EP,EZ (no code)	
	带压力控制,仅用于 HD, EP, EZ With pressure control, only for HD,EP,EZ	D
	不带越权控制,仅用于HA(无标识) Without override, only for HA (no code)	
	带越权控制,仅用于HA With override, only for HA	T

系列标识 Series index

06	系列6,索引号3 Series 6, index 3	63
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旋转方向 Direction of rotation

07	从轴伸看,双向可逆 Viewed from drive shaft, bidirectional	W
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轴封 Shaft seal

08	氟橡胶 FKM		V
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轴伸 Drive shaft

09	花键 DIN5480 Splined shaft DIN 5480	107	160	
		●	●	Z
		●	●	A

安装法兰 Mounting flange

10	2孔法兰 ISO 3019-2 ISO 3019-2 2-hole	●	●	L
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工作油口 Working ports

11	SAE J518 A和B油口,后端部(公制螺纹) SAE J518 flange ports A and B, at rear (metric thread)	01	0	无阀 Without valve	●	○	010
		02	0	无阀 Without valve	●	●	020
	SAE J518 A和B油口,相对侧(公制螺纹) SAE J518 flange ports A and B, at opposite side(metric thread)	02	7	带冲洗阀和补油阀 With flushing and boost pressure valve	●	○	027
			1	内部油道 Inner pipe	—	○	221
	SAE J518 A和B油口,带内置制动阀的油口接板和二次阀,同侧 SAE J518 flange ports A and B, Ipsilateral working ports with pressure-relief valves, for mounting a counterbalance valve	22	2	外部布管 Outer line	—	●	222
			37	0	无阀 Without valve	●	—
SAE J518 A和B油口,带溢流阀的油口接板,用于安装平衡阀 SAE J518 flange ports A and B, working ports with pressure-relief valves, for mounting a counterbalance valve	38	0	无阀 Without valve	—	●	380	

转速传感器 Speed sensor

12	无转速传感器(无标识) Without speed sensor (no code)	
	带转速传感器 With HDD speed sensor	H

控制起调点 Start of control

13	在 V_{gmin} (HA 标准配置) at V_{gmin} (standard for HA)	A
	在 V_{gmax} (HD, HZ, EP, EZ 标准配置) at V_{gmax} (standard for HD, HZ, EP, EZ)	B

平衡阀 Counterbalance valve

14	不带平衡阀(无标识) Without counterbalance valve (no code)	
	带平衡阀 With counterbalance valve	W1XA01

最小排量设定值 V_{gmin} setting

15	举例: $V_{gmin}=80$ (mL/r) Example: $V_{gmin}=80$ (mL/r)	0800
	举例: $V_{gmin}=110$ (mL/r) Example: $V_{gmin}=110$ (mL/r)	1100

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)	最高转速 Max. speed (r/min)			最大扭矩 Max. torque (N.m)	重量 Weight (kg)
			At V_{gmax}	At $V_g=0.63 \times V_{gmax}$	at V_{gmin}		
107	35	40	3550	5600	6300	681	53
160			3100	4900	5500	1019	64
200			2900	4600	5100	1273	80

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