

L10VO 柱塞变量泵,53系列

Variable displacement pump L10VO, Series 53



- 斜盘式轴向柱塞变量泵, 用于开式回路
- 满足多种工况的控制方式
- 良好的吸油填充性能
- 低噪音, 较短的响应时间
- 良好的功率重量比
- Variable axial piston pump of swashplate design for open circuit
- A wide range of control options meeting various application requirements
- Excellent inlet fill characteristics
- Low noise, short response times
- Favorable power-density ratio

型号说明 Type code

L10V	O	45	DR	/	52/53	R	—	P	S	C	62	N00
01	02	03	04		05	06		07	08	09	10	11

轴向柱塞泵 Axial piston pump

01	斜盘式变量结构 Variable swashplate design	L10V
	带行程限制器 With stroke limiter	L10VS

工作方式 Operation mode

02	泵, 开式回路 Pump, open circuit	O
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规格 Size

03	最大排量 Vgmax	mL/r	45	60	63	72	110	45
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控制方式 Control devices

04	压力控制 Pressure control	D	●	●	●	○	○	DR
	远程控制 Remote control	G	●	●	●	○	○	DRG
	带流量控制 With flow control	F						
	带冲洗功能, X口至T口连通 With flushing function, X-T open		●	●	●	●	○	DFR
	不带冲洗功能, X口至T口关闭 Without flushing function, X-T plugged	1	●	●	●	●	○	DFR1
	带功率控制, 控制起点 71~105bar With power control, start of control 71~105bar	LA7S	—	—	○	●	—	LA7DS
带功率控制, 控制起点 106~140bar With power control, start of control 106~140bar	LA8S	—	—	●	○	—	LA8DS	

系列 Series

05		52/53
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旋转方向 Direction of rotation

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

轴封 Shaft seal

07	丁腈橡胶 NBR	P
	氟橡胶 FKM	V

轴伸 Drive shaft

		45	60	63	72	110	
08	SAE 花键轴, 标准的 SAE-splined shaft, standard	●	●	●	○	●	S
	SAE 花键轴, 加强的 (较高的通轴驱动扭矩) SAE-splined shaft, reinforced (higher through drive torque)	●	○	○	○	○	R
	SAE 花键轴, 较小尺寸 (不适用于通轴驱动扭矩) SAE-splined shaft, smaller size (not for pump with through drive)	●	●	●	●	○	U
	SAE 花键轴, 加强的 U 型轴 SAE-splined shaft, reinforced U-type shaft	—	—	—	○	○	W
	英制平键轴 SAE-keyed shaft	●	●	●	○	○	K
	公制平键轴 Parallel with keyed shaft DIN 6885	●	●	●	○	○	P

安装法兰 Mounting flange

		45	60	63	72	110	
09	SAE J744 2 孔 SAE J744 2-hole	●	●	●	●	—	C
	ISO 3019-1 2 孔 ISO3019-1 2-hole	○	○	○	●	●	A
	SAE J744 4 孔 SAE J744 4-hole	○	●	●	●	—	D

工作油口 (SAE J518) Working ports (SAE J518)

(压力口 B, 吸油口 S Pressure port B and Suction port S)

		45	60	63	72	110	
10	后部 SAE 法兰, 英制统一固定螺纹, 仅用于非通轴驱动 SAE flange, rear ports, UNC thread, only for version without through drive	○	●	●	○	—	61
	两侧 SAE 法兰, 英制统一固定螺纹 SAE flange, lateral top bottom ports, UNC thread	●	●	●	○	—	62
	后部 SAE 法兰, 公制固定螺纹, 仅用于非通轴驱动 SAE flange, rear ports, metric thread, only for version without through drive	○	●	●	○	—	11
	两侧 SAE 法兰, 公制固定螺纹 SAE flange, lateral top bottom ports, metric thread	●	●	●	●	●	12
后部 SAE 法兰, 英制统一固定螺纹, 仅用于非通轴驱动 SAE flange, rear ports, UNC thread, only for version without through drive	●	○	○	○	—	64	

通轴驱动 Through drive

		45	60	63	72	110			
11	不带通轴驱动 Without through drive	●	●	●	●	●	N00		
	带通轴驱动 With through drive								
	安装法兰 Mounting flange	连接轴 Shaft coupling							
	82-2 (SAE A)	5/8in 9T 16/32DP		●	●	●	○	—	K01
	101-2 (SAE B)	1in 15T 16/32DP		●	○	●	○	—	K04
80-2	Keyed shaft		—	—	●	—	—	—	KP1

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)	额定转速 Nominal speed (r/min)	最高转速 Max. speed (r/min)	最大功率 Max. power (kW)	重量 Weight (kg)
45	28	31.5	2600	3120	30	18
60			2600	3140	39	22
63			2600	3140	55	
72			2600	3140	73	27
110	32	35	2300	2500	93	43

●=可供货 Available

○=可按要求供货 On request

—=不可供货 Not available