

# L10VO 变量柱塞泵,31系列

## Variable displacement pump L10VO, Series 31



- 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
- 通轴驱动可承载直至相同规格的泵
- Variable axial piston pump of swashplate design for open circuit
- A wide range of control options meeting various application requirements
- Excellent inlet fill characteristics
- Through drive for mounting further pumps up to same size

### 型号说明 Type code

L10V	O	71	DR	/	31	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	18	28	45	71	100	140	71
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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 With power control	LR	—	●	●	●	●	—	DFLR
	带电比例正控制(流量) With electrical positive control (flow)								
	U=12V	EP1	—	○	○	○	○	—	EP1D
	U=24V	EP2	—	○	○	○	○	—	EP2D
	带电比例负控制压力 With electrical negative control (pressure)								
	U=12V	E71	—	○	○	○	○	—	ED71
	U=24V	E72	—	○	○	○	○	—	ED72

### 系列 Series

05		31
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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

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#### 轴封 Shaft seal

07	丁腈橡胶 NBR	P
	氟橡胶 FKM	V

#### 轴伸 Drive shaft

		18	28	45	71	100	140	
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

		18	28	45	71	100	140	
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)

		18	28	45	71	100	140	
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	—	—	—	●	—	—	91
	两侧 SAE 法兰, 英制统一固定螺纹 SAE flange, lateral top bottom ports, UNC thread	—	—	—	●	—	—	92
	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	—	○	○	●	○	—	41
	两侧 SAE 法兰, 公制固定螺纹 SAE flange, lateral top bottom ports, metric thread	—	—	—	○	—	—	42

#### 通轴驱动 Through drive

		18	28	45	71	100	140		
11	不带通轴驱动 Without through drive	●	●	●	●	●	●	N00	
	带通轴驱动 With through drive								
	安装法兰 SAE J744 Mounting flange SAE J744	连接轴 Shaft coupling							
	82-2 (SAE A)	5/8in 9T 16/32DP	●	●	●	●	●	—	K01
	101-2 (SAE B)	7/8in 13T 16/32DP	—	●	○	●	●	—	K02
	101-2 (SAE B)	7/8in 13T 16/32DP	—	○	●	○	—	—	K68
	127-2 (SAE C)	1 1/4in 14T 12/24DP	—	—	—	●	●	—	K07

#### 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)
18	28	35	3300	3900	30	12
28			3000	3600	39	15
45			2600	3100	55	21
71			2200	2600	73	33
100			2000	2400	93	45
140			1800	2100	118	60

●=可供货 Available

○=可按要求供货 On request

—=不可供货 Not available