

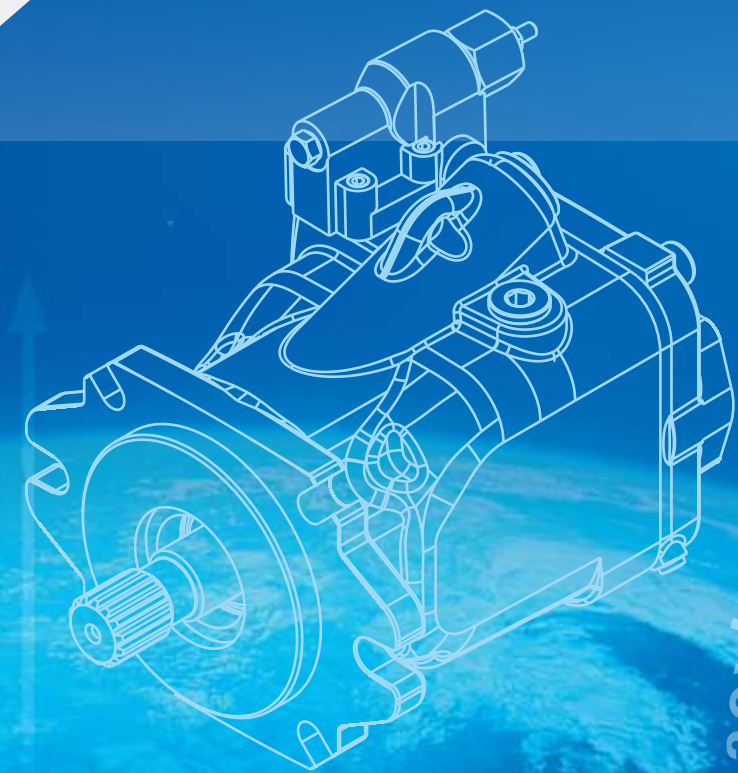
科技创新，引领未来

Technological innovation, leading to future.

AOVITE

奥 威 特 液 压

作为一个液压与传动行业制造商，我们并不仅向用户单纯地推销自己的产品。我们更希望能够以自身的技术优势和服务、行业资源，提供一种全面的技术支持，和客户形成一种优势的产业联盟，互利共赢，共同发展！



浙江奥威特液压机械有限公司

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浙江奥威特液压机械有限公司

Zhejiang Aovite Hydraulic Machinery Co.,Ltd.

集开发、生产、销售、服务
为一体的液压制造中心

COMPANY PROFILE

企业简介 >>

奥威特液压是一家集科研、生产、销售为一体的综合性制造商。公司坚持“以科技为先导，以质量求生存，以创新求发展”的经营理念，引进高科技设备和优秀人才，倾力打造行业之领先企业，为客户提供一流产品和服务。

公司总投资 8500万元，占地 2.5万平方米，建筑面积2万平方米，公司拥有各类技术人才150 多名，引进国内外先进设备，拥有加工中心，数控车床，高精度磨床，三坐标检测仪及热处理等设备150多台。

Aovite hydraulic is an integrated manufacturer involved in research, production and sales. Adhering to the business principle "science and technology as guide, quality seeks for survival, innovation seeks for development", we introduce high-tech equipments and talents, striving to be a leader in hydraulic industry and provide excellent products and service for customers.

Aovite invests 85 million yuan, covers 25000 square meters area, 20000 square meters building area, has kinds of technician more than 150. Aovite introduce advanced equipments at home and abroad more than 150 sets, including processing center, CNC lathe, high precision grinding machine, three coordinates detector and heat treatment equipment and so on.



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WPVE 柱塞泵系列

WPVE SERIES PISTON PUMPS

WPVE柱塞泵是斜盘式直轴变量泵，结构简洁，使用范围广泛，现有两种排量规格可供货。

WPVE piston pumps are inline,variable displacement pumps that are available in tow displacement sizes.

产品特征和优点

- ① 直轴变量泵。
- ② 排量变化由压力/流量补偿器控制。
- ③ 可选择控制方式，最大限度提高工作的灵活性。
- ④ 广泛应用于冶金机械、矿山机械、工业机械、工程机械等领域。



Features and Advantages

- ① Inline, variable displacement pump.
- ② Displacement is varied by pressure/flow compensator controls.
- ③ Optional controls for maximum operating flexibility.
- ④ Widely used in metallurgy, mining, industry, engineering machinery field.

技术参数 (TECHNICAL PARAMETERS)

型 号	Model	WPVE19	WPVE21
排 量	Displacement	41mL/r	45.1mL/r
最高转速	Maximum Speed	2400r/min	2400r/min
额定转速	Rated Speed	1800rpm	1800rpm
最高压力	Maximum Pressure	210bar	180bar
进口压力	Inlet Pressure	2-20bar	2-20bar

轴扭矩数据 (SHAFT TORQUE DATA)

花键数据 Spline Data	说明 Designation	通轴驱动选项 Thru-drive Option	最大输入扭矩 Maxinmun Input Torque N.m(lb.in.)
02	SAE "BB"平键 Straight keyed	有 Yes	215(1900)
08	SAE "BB"花键Spline, 15齿T, 16/32径节,平齿根,侧配合 D.P., FRSF	有 Yes	337(2987)
05	SAE "B"花键Spline, 13齿T, 16/32径节,平齿根,侧配合 D.P., FRSF	有 Yes	208(1850)
01	SAE "B"平键 Straight keyed	无 No	135(1200)
09	专用26齿花键,用于双联PVE**-PVE**装置的后泵 Special Eaton 26T for use in rear pump of tandem PVE**-PVE** unit	无 No	不适用 N/A

型号编码 (WPVE SERIES TYPE CODE)

标识 Code	名称代码 Name
WPV	开式回路柱塞泵 Open circuit piston pump

标识 Code	排量 Displacement
E19A	41mL/r
E21A	45.1mL/r

标识 Code	输入轴旋转方向 Input shaft rotation
L	左手旋转(逆时针 CCW)
R	右手旋转(顺时针 CW)

标识 Code	前安装和输入轴 Front mounting and input shaft
01	2 螺栓Bolt B(SAE J744-101-2), 22.2 [.88] 直径带键直轴DIA straight key shaft (SAE J744-22-1)(包括键Key included)
02	2 螺栓Bolt B-B(SAE J744-101-2), 25.4 [1.00] 直径带键直轴DIA straight key shaft (SAE J744-25-1)(包括键Key included)
04	2 螺栓Bolt B(SAE J744-101-2), 25.4 [1.00] 直径带键直轴DIA straight key shaft (SAE J744-25-3)(包括键Key included)
05	2 螺栓Bolt B (SAE J744-101-2) 径节, 13 齿Tooth 16/32 径节DP 41.1 [1.62] 长Long, 花键轴Splined shaft
08	2 螺栓Bolt B-B (SAE J744-101-2) 15 齿Tooth 16/32 径节Diametral pitch 花键轴Splined shaft
09	2 螺栓Bolt B (SAE J744-101-2) 26 齿Tooth 32/64 径节Diametral pitch 花键轴Splined shaft

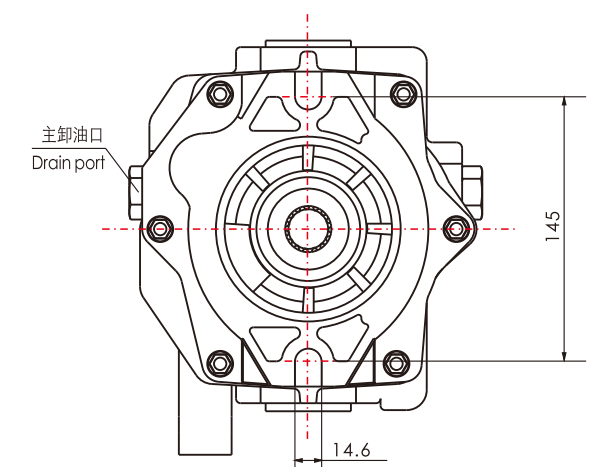
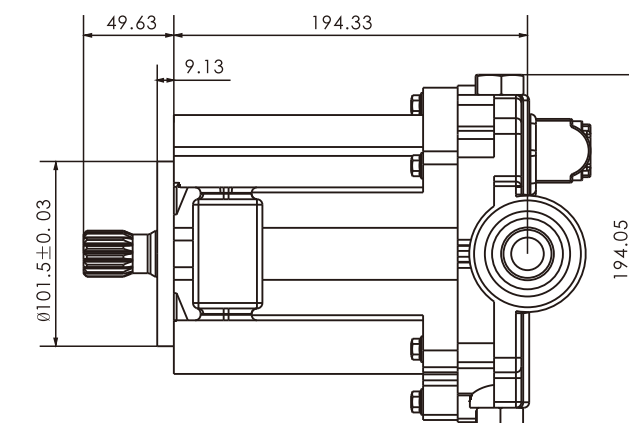
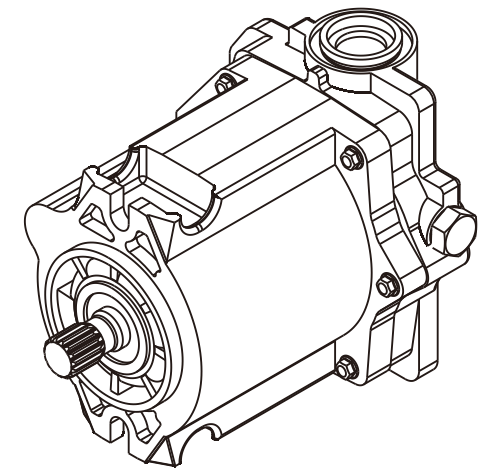
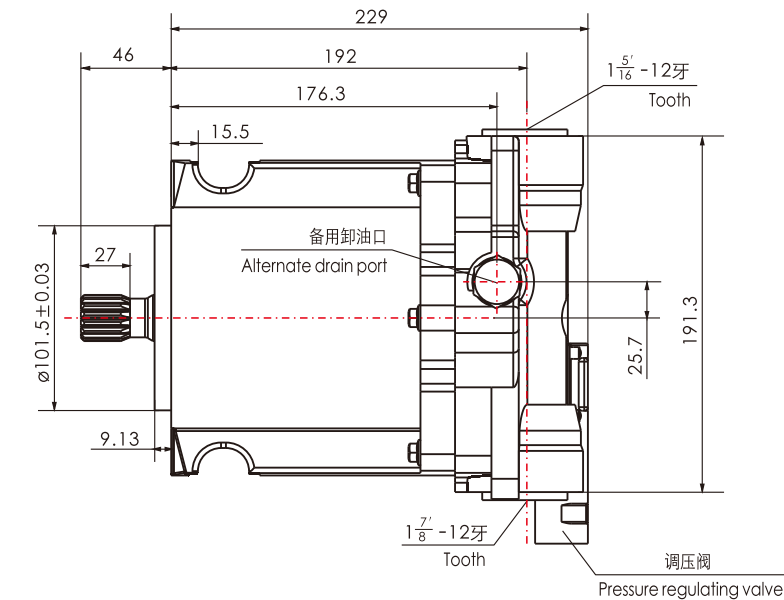
标识 Code	控制方式 Controller type
A	压力补偿器 Pressure compensator
B	压力和流量补偿器 Pressure and flow compensator

标识 Code	漏油口位置和规格 Drain ports location and size
1	875-14 UNF - 2B SAE O- 形圈Ring 油口Port- 顶部Top (D1)
2	875-14 UNF - 2B SAE O- 形圈Ring 油口Port - 底部Bottom(D2)
6	M18 X 1.5 公制Metric O- 形圈Ring 油口Port -顶部Top (D1)
7	M18 X 1.5 公制Metric O- 形圈Ring 油口Port -底部Bottom (D2)

标识 Code	主油口位置和规格 Main ports location and size
AA	侧油口, 管油口按照SAE J514, Side ports; tube ports per SAE J514, 吸油口Suction - 1.875-12 UN-2B, 压力油口Pressure - 1.3125-12 UN-2B
AB	端油口, 管油口按照SAE J514, End ports; tube ports per SAE J514, 吸油口Suction - 1.875-12 UN-2B, 压力油口Pressure -1.3125-12 UN-2B

安装尺寸图

SLNSTALLATION DIMENSIONS



WPVH 柱塞泵系列

WPVH SERIES PISTON PUMPS



WPVH柱塞泵是大流量、高性能的直轴变量泵，使用范围广泛。

PVH high flow,high performance pumps are a family of variable displacement.

产品特征和优点

- ① 直轴变量泵: 灵活的设计包括单联泵, 通轴驱动配置以及各种驱动轴伸和控制方式, 最大限度提高工作的灵活性。
- ② 小而轻的设计减小应用重量并为安装和维修提供便利。
- ③ 低噪音设计为重视噪声的工业用途所采用。
- ④ 在各种用途中均针对最高效率来设计各种补偿器提供最为有效的系统控制。
- ⑤ 重载轴承和轴伸造成最小的内部变形和磨损, 提高使用寿命。
- ⑥ 广泛应用于土方机械、建筑机械、塑料机械、机床等领域。

Features and Advantages

- ① Inline,variable displacement pump.Versatile design includes single pumps,thru-drive arrangements,and a variety of drive shaft and control options that will adapt to any application and provide the most cost effective installation.
- ② Compact and lightweight deisgn to reduce the application weight,and provide better access for installation and servicing.
- ③ Quiet designs available for noise-sensitive industrial applications,reducing sound levels further to provide a more acceptable environment.
- ④ Designed for maximum efficiency in any type of application.
- ⑤ Heavy duty bearings and shafts result in minimum internal deflections and wear,providing for longer life and maximum uptime.
- ⑥ Widely used in metallurgy, mining, industry, engineering machinery field.

技术参数 (TECHNICAL PARAMETERS)

型 号	Model	WPVH50	WPVH57
排 量	Displacement	50.4mL/r	57.4mL/r
额定转速	Rated Speed	1800r/min	
进口压力	Inlet Pressure	(0.8~3)bar	
额定压力	Rated Pressure	250bar	
旋向(从原动机端看)	Rated Direction	R- 顺时针 Clockwise ; L:逆时针 Anticlockwise	
工作方式	Working Mode	开式系统 Open-type System	

型号编码 (WPVH SERIES TYPE CODE)

标识 Code	名称代码 Name
WPVH	柱塞泵 Piston pump

标识 Code	排量 Displacement
50	50.4mL/r
57	57.4mL/r

标识 Code	设计/应用 Design/Application
B	用于行走用途的设计 Design for mobile applications
QI	用于工业用途的低噪声设计 Quiet design for industrial applications

标识 Code	轴转向(从原动机端看) Shaft rotation Viewed at shaft end
L	逆时针 Anticlockwise
R	顺时针 Clockwise

标识 Code	安装法兰, 原动机端 Mounting flange, prime mover end
A	SEA J744-82-2(A,2螺栓 Bolt)
C	SAE"C"4- 螺栓型 Bolt type (SAE J744-127-4)

标识 Code	泵设计号 Pump design number
19	

标识 Code	主油口 Main ports
F	SAE 4-螺栓法兰油口 Bolt flange pads
M	SAE 4-螺栓法兰油口 带米制安装螺纹 Bolt pads with metric mounting bolt threads

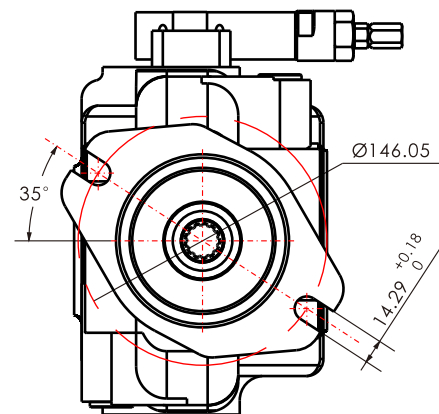
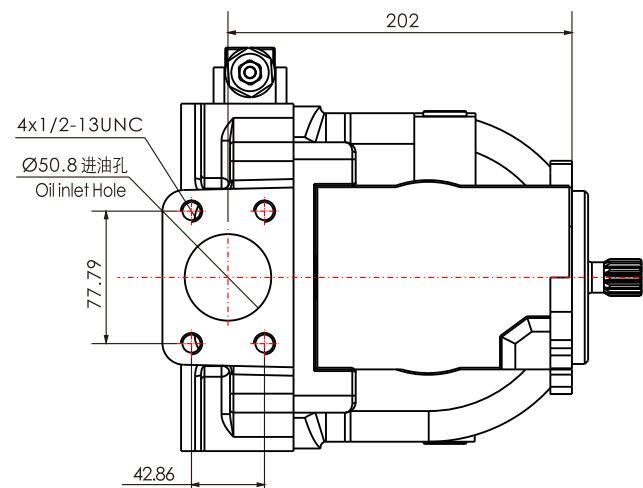
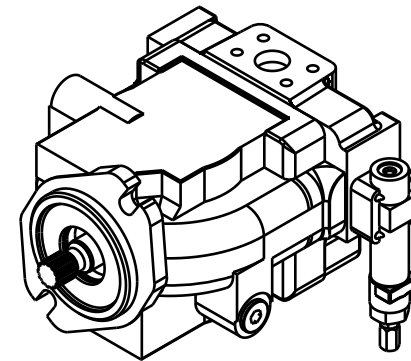
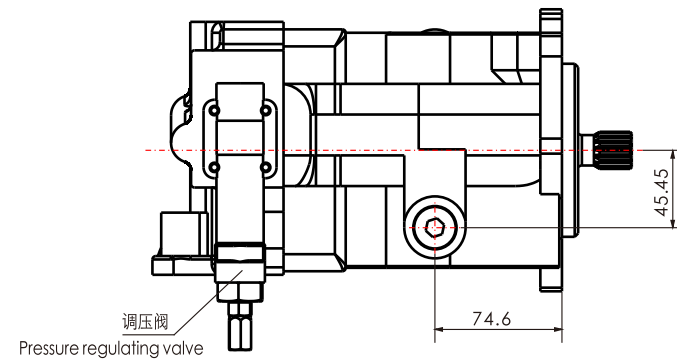
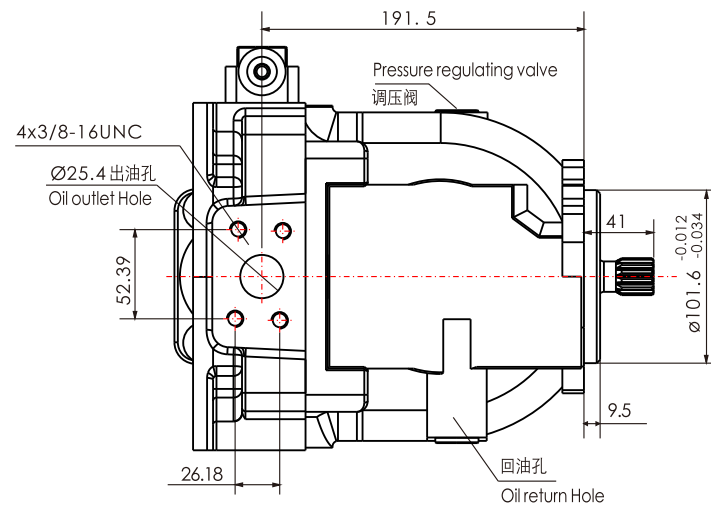
标识 Code	轴密封件, 原动机短 Shaft seal, prime mover end
S	一道, 单向 Single, one-way
D	二道, 双向 Double, two-way

标识 Code	压力补偿器 Pressure compensator
C	70-250 bar(1015-3625 psi) (标准型 Standard)
CM	40-130 bar(580-1885 psi) (可选的QI型 Optional QI version)
IC	工业用控制 Industrial control

标识 Code	轴伸型式, 在原动机端 Shaft-end type, at prime mover end
N	ISO 3019/2-E32NE 带键短直轴 Short straight keyed
2	SAE"C" 12/24 D.P.径节(J744-32-4) 花键轴14齿 Splined 14 tooth
3	SAE"CC" 12/24 D.P.径节(J744-38-4) 花键轴17齿 Splined 17 tooth
12	SAE"D" 8/16D.J.径节(J744-44-4) 花键轴13齿 Splined 13 tooth

安装尺寸图

SLNSTALLATION DIMENSIONS



WPVB 柱塞泵系列

WPVB SERIES PISTON PUMPS

控制方式

- ① 带或不带远程控制装置的压力补偿器
- ② 带可调排量控制的压力补偿器
- ③ 负载传感补偿器
- ④ 手轮控制

Control Mode

- ① Pressure compensator with or without a remote control facility.
- ② Pressure compensator with a djustable displacement control.
- ③ Load sensing compensator.
- ④ Handwheel control.



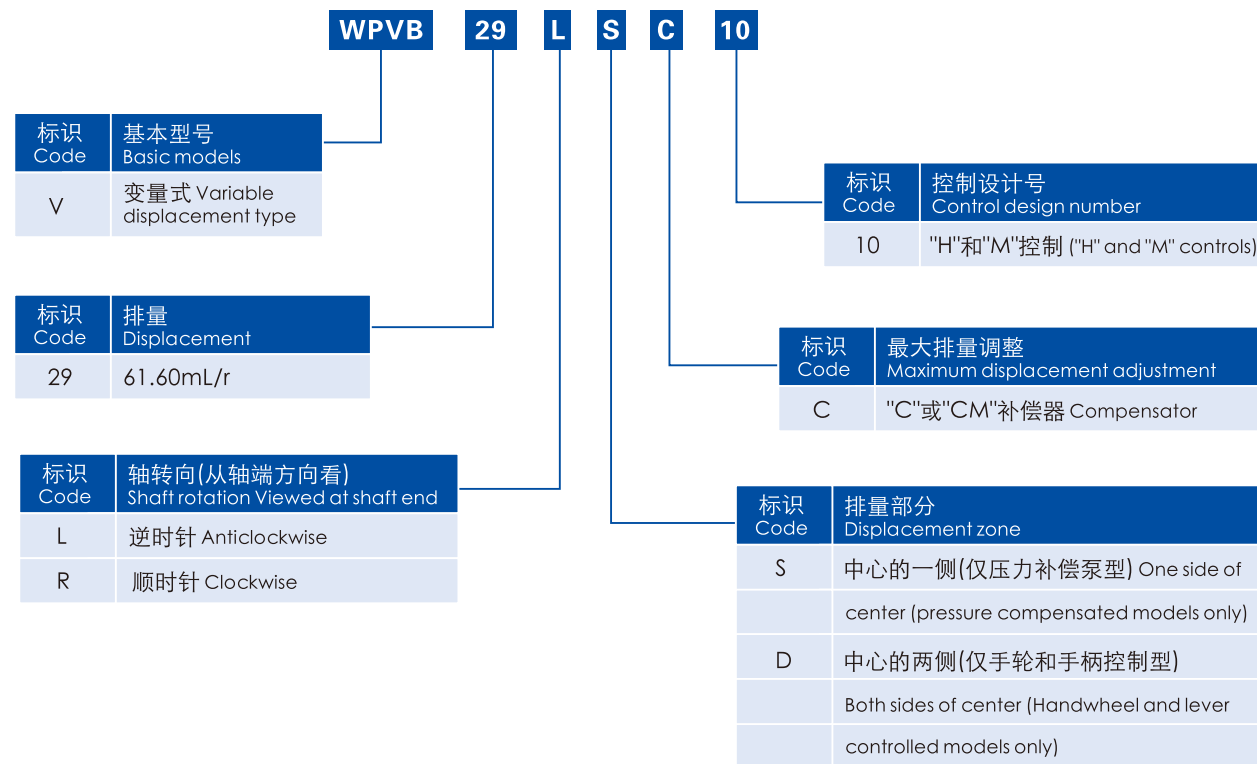
WPVB柱塞泵是轻型斜盘式轴向泵，包括定量型和变量型，使用各种液压油均能达到很高的性能指标和效率。定量型的容积效率和机械效率很高；变量型能与压力和/或流量的需要紧密匹配，有多种控制方式，使用范围广。

Both fixed and variable displacement models make up this range of axial piston pumps. Their high performance ratings and efficiencies are achieved with a variety of hydraulic fluids. Fixed displacement models are noted for their volumetric and mechanical efficiencies. Variable displacement models can closely match pressure and/or flow demand. There are several ways to control.

技术参数 (TECHNICAL PARAMETERS)

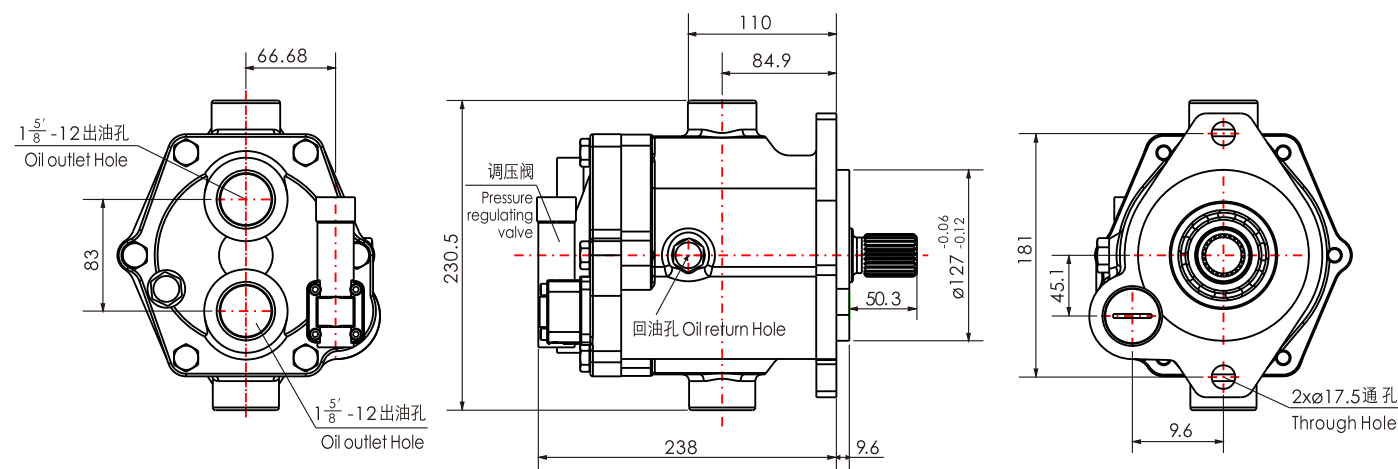
型 号 Model	WPVB29
排 量 Displacement	61.6mL/r
轴 旋 向 Shaft rotation	R- 顺时针Clockwise ; L- 逆时针Anticlockwise
额定转速 Rated Speed	1800r/min
进口压力 Inlet Pressure	1bar
额定压力 Rated Pressure	14bar
推荐油液 Recommended Oil	L-HM46(夏天Summer) ; L-HM32(冬天Winter)
工作方式 Working Mode	开式系统 Open-type System

型号编码 (WPVB SERIES TYPE CODE)



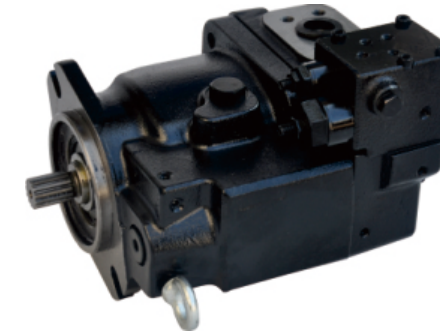
安装尺寸图

SLNSTALLATION DIMENSIONS



WK3VL 柱塞泵系列

WK3VL SERIES PISTON PUMPS



WK3VL系列最适合用于节省空间的工程机械、产业车辆及一般产业机械的泵。

The WK3VL series swash-plate type axial piston pump is a heavy duty variable displacement hydraulic pump newly developed for mobile and industrial applications.

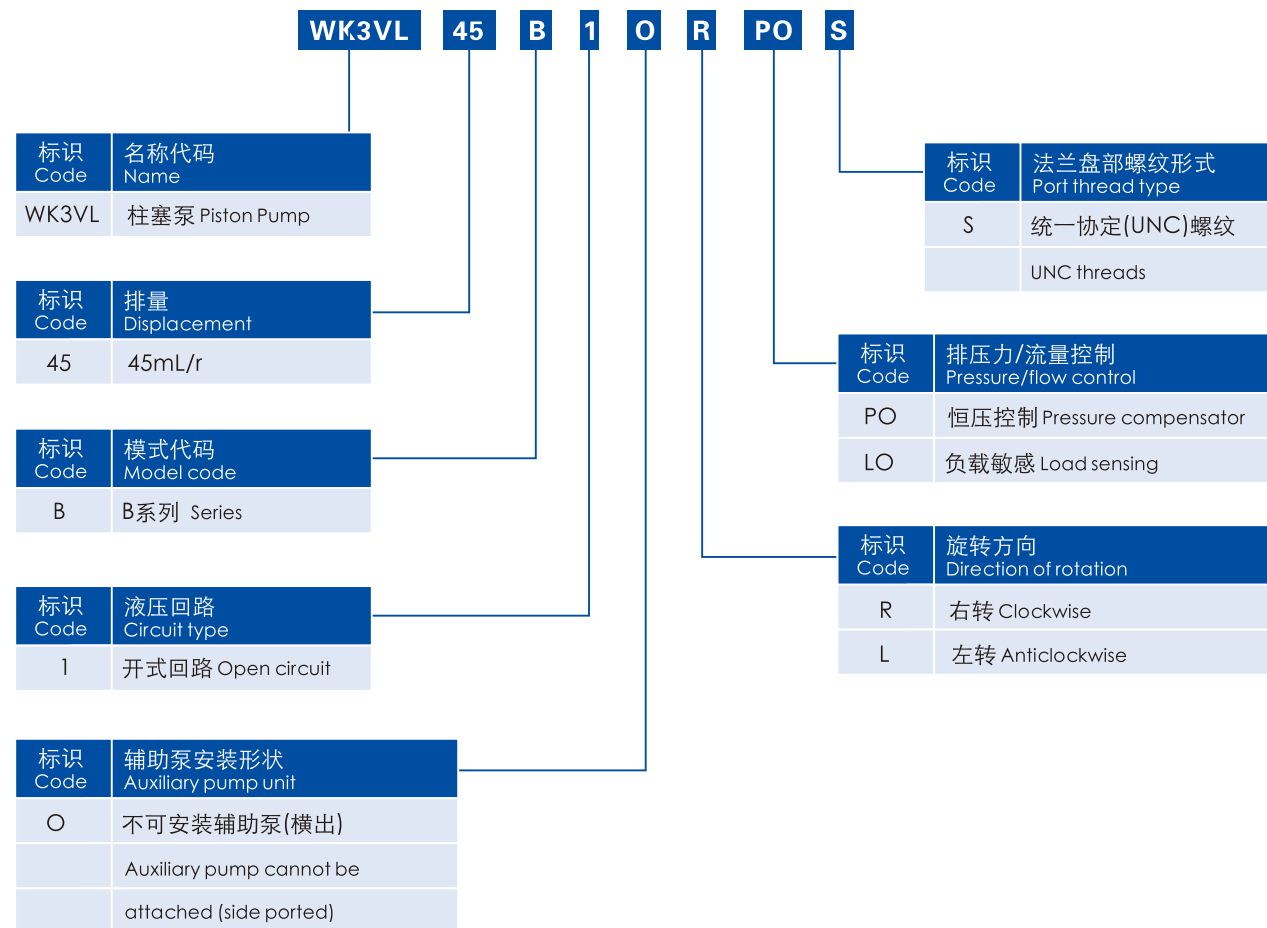
产品特征和优点

- ① 低脉动、低噪声**
通过研发独特的新机构，大幅度降低了噪声发生源的压力脉动。
- ② 高效率、卓越的吸入能力、长寿命**
通过最佳配油盘的设计实现了高效、卓越的吸入能力，并通过采用大负载容量轴承和高强度的柱塞、滑靴从而实现了长寿化。
- ③ 辅助齿轮泵连接和泵的复合化、SAE/ISO规格的对应**
可对应SAE规格的辅助齿轮泵连接和串联柱塞泵化，固定件和轴端形状对应SAE\ISO的规格。
- ④ 丰富的控制方式**
以负载敏感和恒压型为基本，可使其卸载及压力可调,还可进行功率控制及其复合控制。

Features and Advantages

- ① Reduced Pressure Pulsation and Low Noise**
The unique mechanism obtained through our long research has drastically reduced pressure pulsation.
- ② High Efficiency、High Self-priming Capability and Long Life**
High efficiency、self-priming capability and long life are made possible by utilizing an optimized piston/slipper,high-load bearings and valve plate design.
- ③ Optional Through Drive**
Optional through drive allows an auxiliary pump and WK3VL pump to be direct mounted proving a compact,low-cost solution.Available with American(SAE) and International(ISO)mounting and shaft.
- ④ Varieties of Control Methods**
Unload and remotely pressure controls are made possible in addition to load-sensing and pressure constant control.In addition,the horsepower control and the combination of these are available.

型号编码 (WK3VL SERIES TYPE CODE)

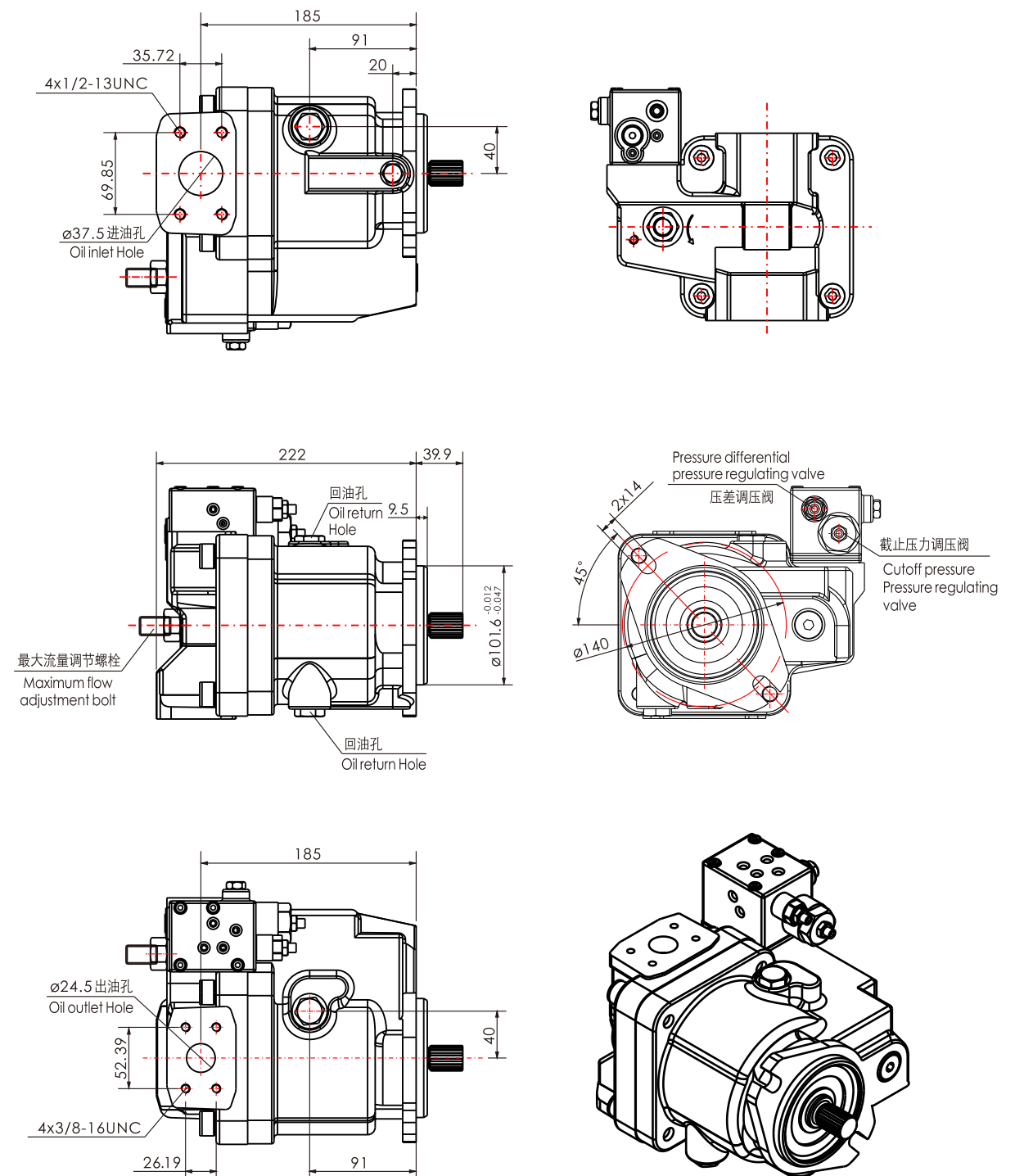


技术参数 (TECHNICAL PARAMETERS)

型 号	Model	WK3VL45
排 量	Displacement	45mL/r
旋转方向	Direction of rotation	R- 顺时针Clockwise ； L- 逆时针Anticlockwise
最高驱动转速	Maximum drive speed	3250r/min
最大输入扭矩	Maximum input torque	225Nm
峰值压力	Peak Pressure	350bar
额定压力	Rated Pressure	320bar
工作方式	Working Mode	开式系统 Open-type System

安装尺寸图

SLNSTALLATION DIMENSIONS



WADU 柱塞泵系列
WADU SERIES PISTON PUMPS



WADU柱塞泵是开式回路工程机械泵，提供许多种控制器使泵具有和每一种用途相匹配的能力。泵控制器的效率允许降低了对系统冷却的要求，保持制冷量不变，而系统的流量增大，于是改善了性能和用户的满意度。

WADU piston pump is an open circuit engineering mechanical pump, it offers a wide variety of controllers in order to match every use. Efficiency of the pump controller allows to reduce the requirements of the system's cooling, maintaining the same cooling capacity, while the flow rate of the system is increased, so as to improve the performance and user satisfaction.

产品的特征和优点

- ① 泵的寿命长
- ② 泵的噪声低
- ③ 安装和使用成本低
- ④ 维护简单
- ⑤ 设备设计的灵活性强
- ⑥ 体积小，节省空间
- ⑦ 提升无泄漏系统设计

Features and Advantages

- ① Pump life long
- ② Pump with low noise
- ③ The installation and use of low cost.
- ④ Simple maintenance
- ⑤ Equipment design flexibility
- ⑥ Small volume, space saving.
- ⑦ To enhance the leak free system design.

技术参数 (TECHNICAL PARAMETERS)

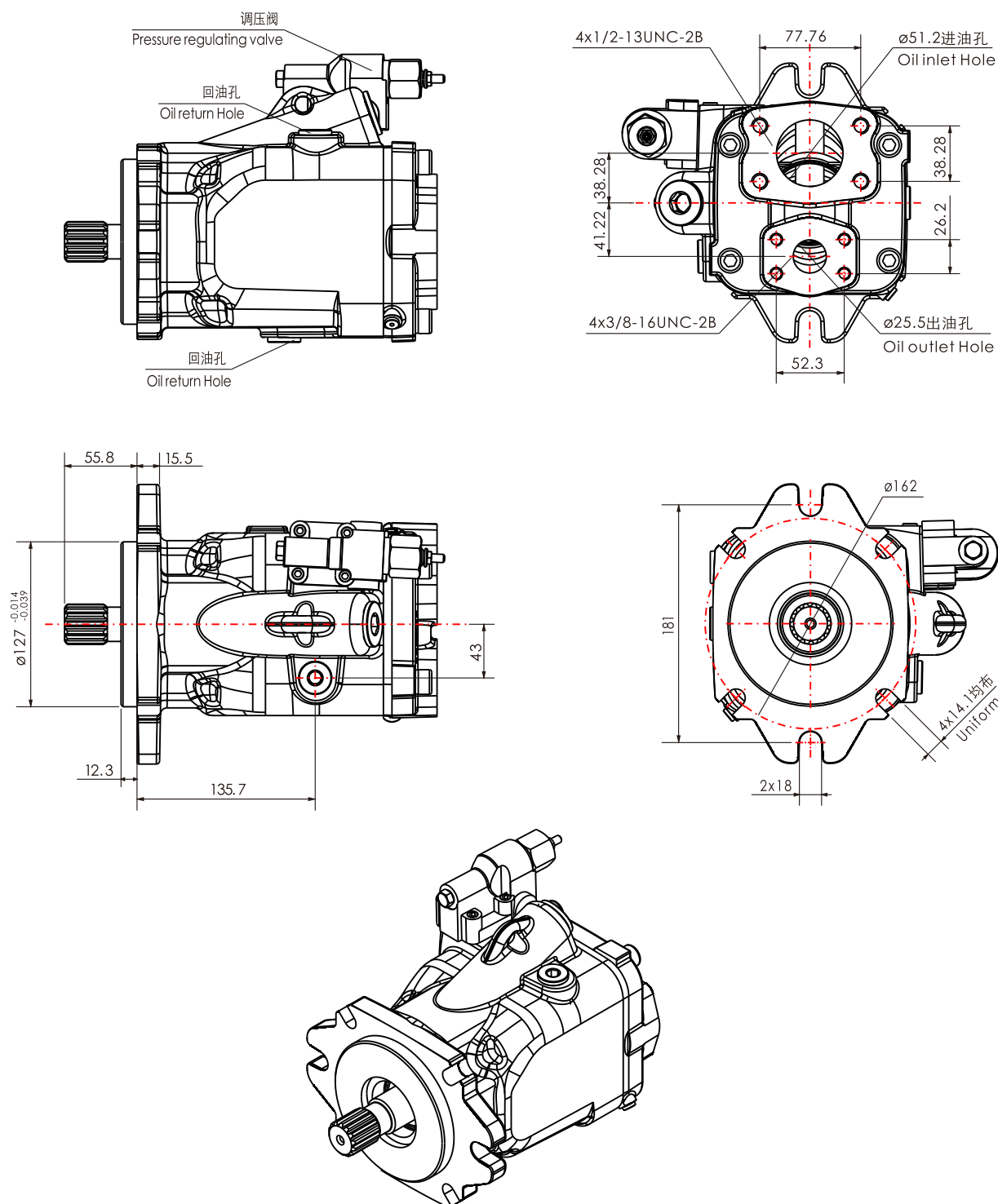
型号 Model	排量 Displacement		重量 Weigh		双密封重量 Double seal Weight			
WADU062	62.3mL/r		22kg		23kg			
	压力额定值 Rated Pressure							
	连续 Continuous		间歇 Intermittent		峰值 Peak value			
	280bar		320bar		350bar			
	转速额定值 Rated Speed							
	1bar进油口Oil inlet (0 psi, 供油Oil supply)		0.85bar进油口Oil inlet (5 in.Hg, 真空Vacuum)		3bar进油口Oil inlet (15 psi, 增压Pressure boost)		最低转速 Min. Speed	最高转速 在备用时 Max. Speed
	法兰油口	管螺纹油口	法兰油口	管螺纹油口	法兰油口	管螺纹油口		
	Flange	Pipe thread	Flange	Pipe thread	Flange	Pipe thread		
	2600	N/A	2400	N/A	2800	N/A	600rpm	3600rpm

型号编码 (WADU SERIES TYPE CODE)

WADU		062		L	31	AA	1	0	C	43	

安装尺寸图

SLNSTALLATION DIMENSIONS



WA10VSO 柱塞泵系列

WA10VSO SERIES PISTON PUMPS

产品的特征和优点

- ① 开式回路轴向柱塞泵。
- ② 工作噪声很低，使用寿命长久。
- ③ 有多种控制范围，控制方式反应灵敏。
- ④ 该泵带有通轴驱动，可承装齿轮泵或者小于等于相同规格的轴向柱塞泵，即100%通轴驱动。

Features and Advantages

- ① Open circuit axial piston pump.
- ② Low noise level and long service life.
- ③ Versatile controller range.
- ④ The through drive is suitable for adding gear pumps and axial piston pumps up to the same size, i.e., 100% through drive.



WA10VSO是斜盘结构轴向柱塞变量泵，用于开式回路中的静液压传动。流量与传动速度和排量成比例，可通过调节旋转斜盘角度实现无级变量。

Variable pump in axial piston swashplate design for hydrostatic drives in an open circuit. The flow is proportional to the drive speed and the displacement. The flow can be steplessly varied by adjustment of the swashplate angle.

技术参数 (TECHNICAL PARAMETERS)

型 号 Model	WA10VSO		
排 量 Displacement	45mL/r	71mL/r	100mL/r
旋转方向 Direction of rotation	R- 顺时针Clockwise ; L- 逆时针Anticlockwise		
工作方式 Operation mode	开式回路 Open circuit		
工作压力 Operating pressure	280bar		
最大压力 Maximum pressure	350bar		
最大转速 Maximum drive speed	3600r/min		

型号编码 (WA10VSO SERIES TYPE CODE)



通轴驱动 (THROUGH DRIVE)

标识 Code	排量 Displacement (mL/r)			通轴驱动 Through Drive	
	45	71	100		
N00	✓	✓	✓	无通轴驱动 Without Through Drive	
有通轴驱动					
标识 Code	45	71	100	安装法兰 Flange	花键轴/轴套 Coupling for Splined Shaft
				ISO 3019-1	ANSI B92.1a
K01	✓	✓	✓	82-8 (S)	5/8 in 9T 16/32DP
K52	✓	✓	✓		3/4 in 11T 16/32DP
K68	✓	✓	✓	101-2 (B)	7/8 in 13T 16/32DP
K04	✓	✓	✓		1 in 15T 16/32DP
K07	/	✓	✓	127-2 (C)	1 ¼ in 14T 12/24DP
K24	/	/	✓		1 ½ in 17T 12/24DP
K17	/	/	/	152-4 (D)	1 ¾ in 13T 8/16DP

传动轴 (DRIVE SHAFT)

标识 Code	45	71	100	传动轴 Drive Shaft
ANSI B92.1a 花键轴 Splined Shaft				
S	✓	✓	✓	标准轴 Standard shaft
R	✓	✓	/	类似于轴 "S", 但适合更高的输入扭矩。 Similar to shaft "S" however for higher input torque.
U	✓	✓	✓	缩小的直径, 不用于通轴驱动。 Reduced diameter,Not for through drive.
W	✓	✓	✓	等同于 "U", 但扭矩更高, 不用于通轴驱动。 Higher torque,Not for through drive .
DIN 6885 平键轴 Parallel keyed shaft				
P	✓	✓	✓	不用于通轴驱动 Not for through drive

安装法兰 (MOUNTING FLANGE)

标识 Code	45	71	100	安装法兰 Mounting Flange
A	✓	✓	✓	ISO 3019-2 DIN 2孔 Hole
B	/	/	/	ISO 3019-2 DIN 4孔 Hole
C	✓	✓	✓	ISO 3019-1 SAE 2孔 Hole
D	/	/	/	ISO 3019-2 SAE 4孔 Hole

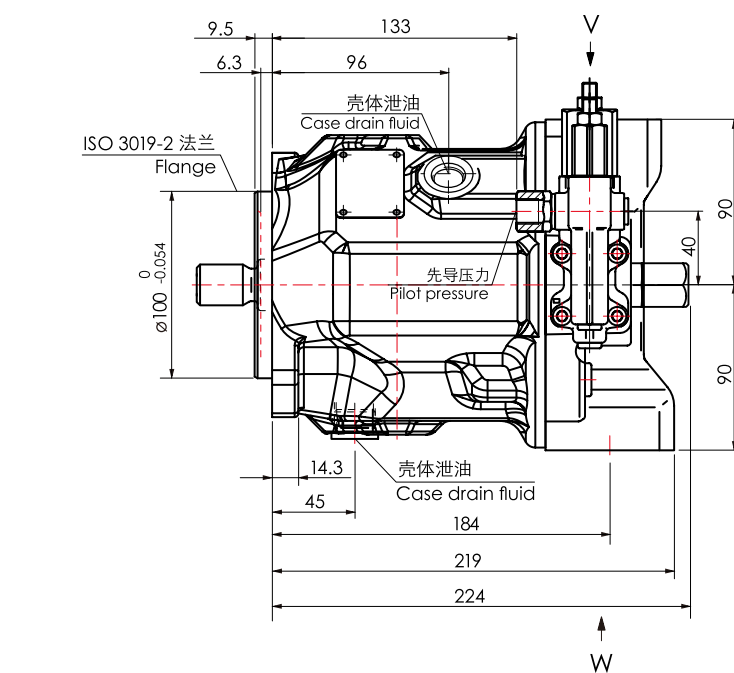
("✓": 可供货 Available; "–": 准备中 Preparation; "/": 无供货 Not Available;)

WA10VSO-45 安装尺寸图

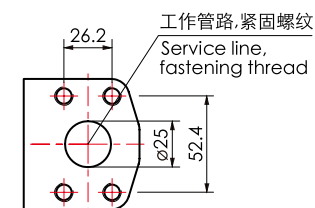
WA10VSO-45 SLNSTALLATION DIMENSIONS

DFR/DFR1压力和流量控制 Pressure and Flow Control

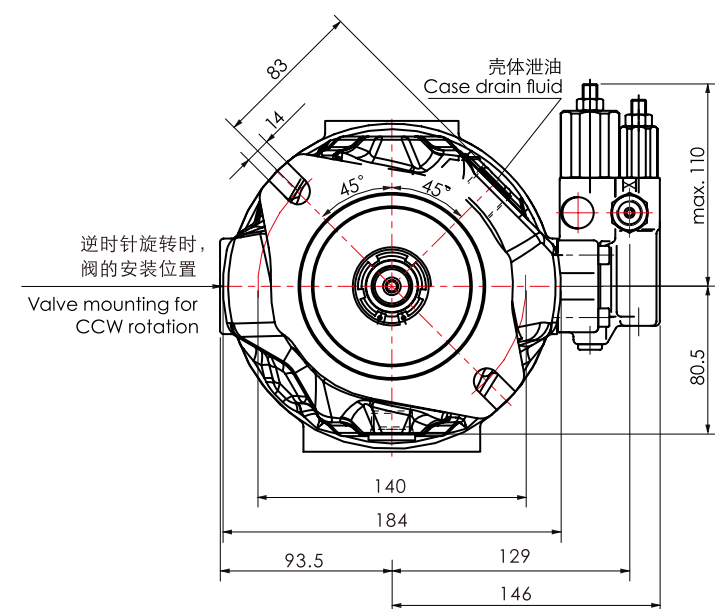
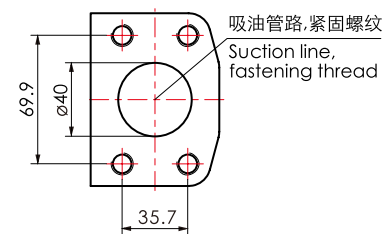
顺时针旋转 Clockwise Rotation



V 向局部视图 Detail



W 向视图 View

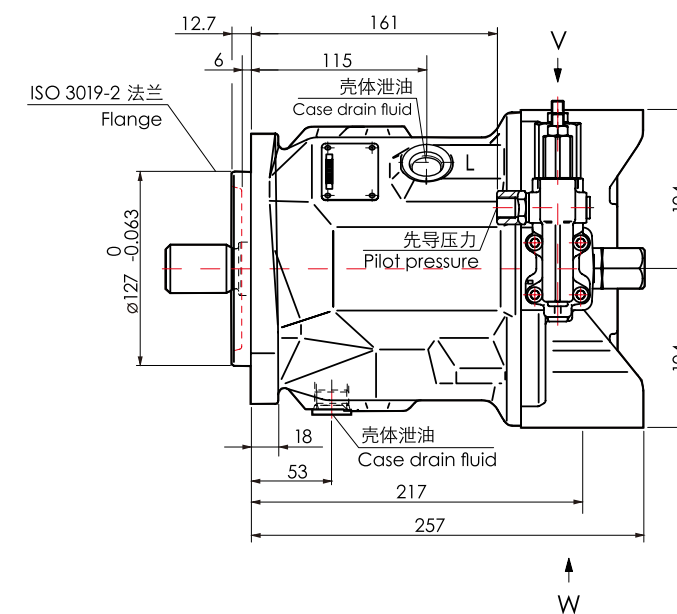


WA10VSO-71 安装尺寸图

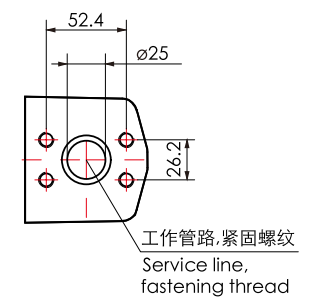
WA10VSO-71 SLNSTALLATION DIMENSIONS

DFR/DFR1压力和流量控制 Pressure and Flow Control

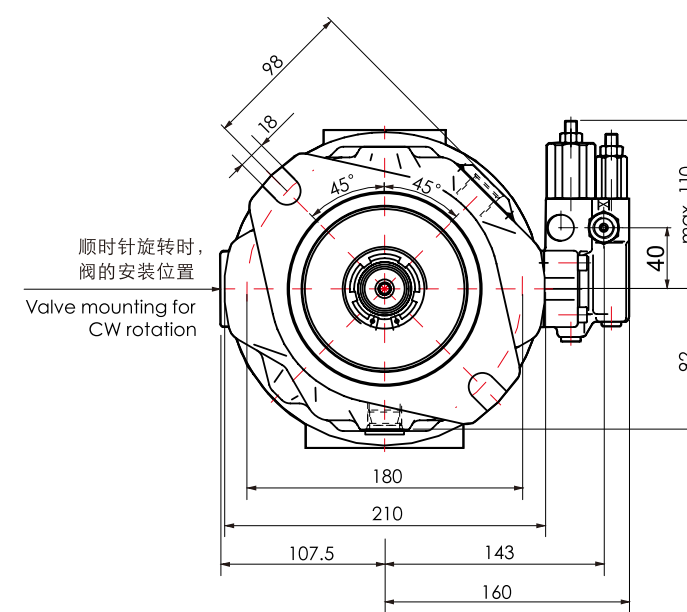
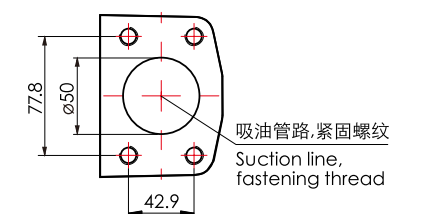
顺时针旋转 Clockwise Rotation



V 向局部视图 Detail



W 向局部视图 Detail

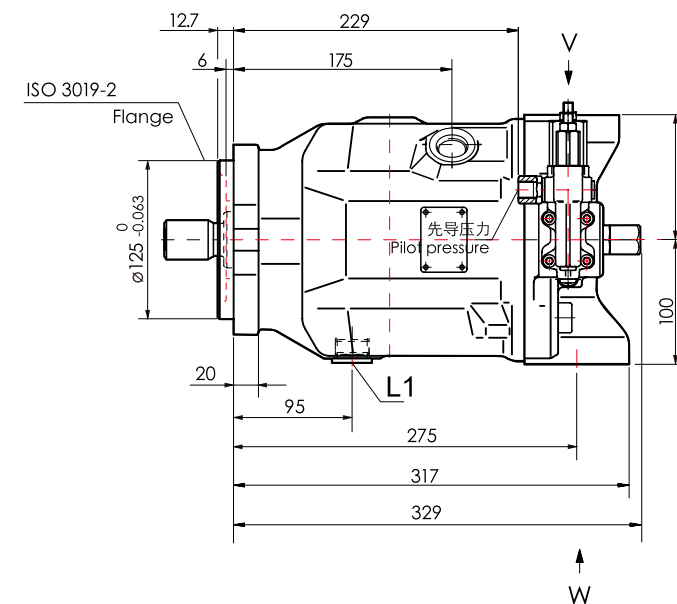


WA10VSO-100 安装尺寸图

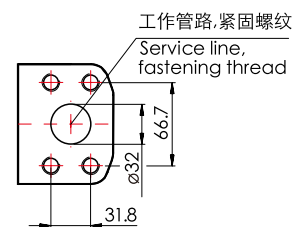
WA10VSO-100 SLNSTALLATION DIMENSIONS

DFR/DFR1压力和流量控制 Pressure and Flow Control

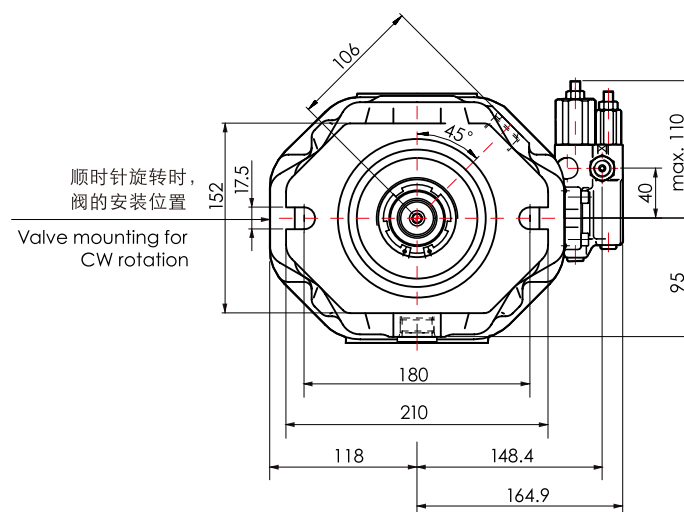
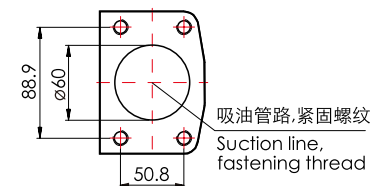
顺时针旋转 Clockwise Rotation



V 向局部视图 Detail



W 向局部视图 Detail

WA2FM 轴向柱塞定量马达
WA2FM AXIAL PISTON FIXED MOTOR

WA2FM是采用斜轴式设计的轴向柱塞定量马达,用于开式回路和闭式回路中的静液压传动,适用于行走机械和工业应用。

Fixed motor with axial tapered piston rotary group of bent-axis design, for hydrostatic drives in open and closed circuits. For use in mobile and stationary applications.

产品的特征和优点

- ① 输出速度取决于泵的流量和马达的排量。
- ② 输出扭矩随高低压侧之间的差压而增大。
- ③ 具有高功率密度、总效率高。
- ④ 具有尺寸小、设计经济。
- ⑤ 带密封柱塞环的一体式柱塞设计。

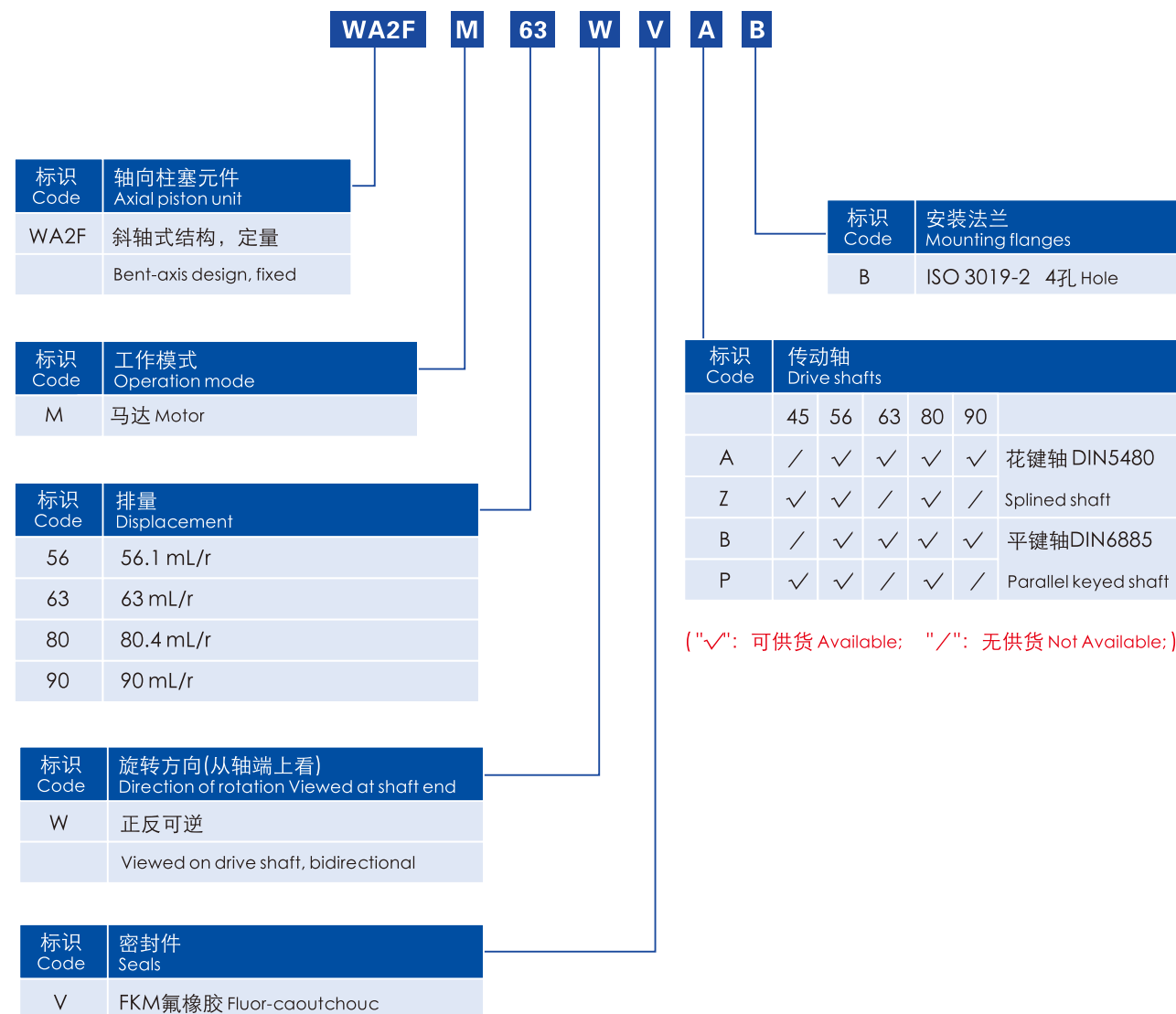
Features and Advantages

- ① The output speed is dependent on the flow of the pump and the displacement of the motor.
- ② The output torque increases with the pressure differential between the high-pressure and the low-pressure side.
- ③ High power density and high total efficiency.
- ④ Small dimensions and economical design.
- ⑤ One-piece tapered piston with piston rings for sealing.

技术参数 (TECHNICAL PARAMETERS)

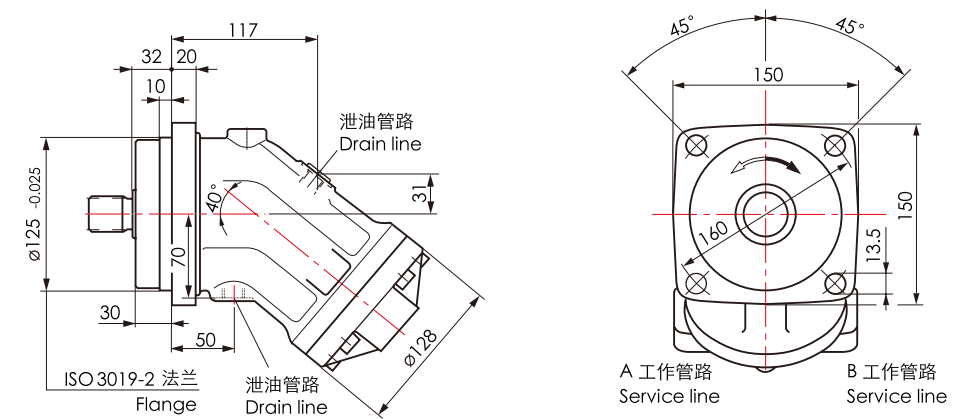
型 号	Model	56	63	80	90
排 量	Displacement	56.1 mL/r	63 mL/r	80.4 mL/r	90 mL/r
最高转速	Max. drive speed	5000 rpm	5000 rpm	4500 rpm	4500 rpm
最高转速(间歇)	Max. drive speed (Intermittent)	5500 rpm	5500 rpm	5000 rpm	5000 rpm
输入流量	Input flow	281 L/min	315 L/min	362 L/min	405 L/min
旋转方向	Direction of rotation	R- 顺时针Clockwise ; L- 逆时针Anticlockwise			
工作方式	Operation mode	开式回路 Open circuit ; 闭式回路 Close circuit			

型号编码 (WA2FM SERIES TYPE CODE)



安装尺寸图 - 规格56 / 63

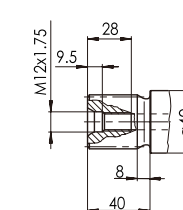
SLNSTALLATION DIMENSIONS - Dimensions size 56 / 63



轴伸 Drive shafts

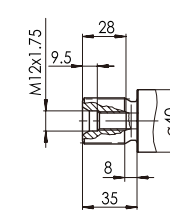
规格 56/63

A 花键轴DIN 5480
W35x2x30x16x9g
P_N = 400 bar



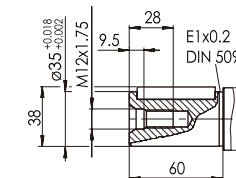
规格 56

Z 花键轴DIN5480
W30x2x30x14x9g
P_N=350 bar



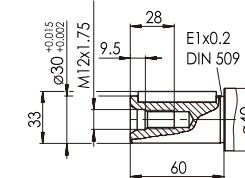
规格 56/63

B 平键直轴,
DIN 6885, As10x8x50
 $P_N = 350 \text{ bar}$



规格 56

P平键直轴,
DIN 6885, As8x7x50
 $P_N = 350 \text{ bar}$

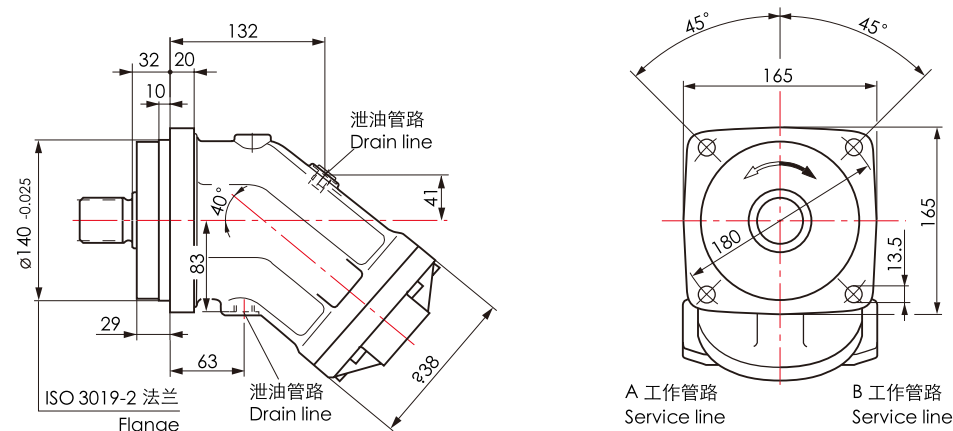


SAE法兰油口，侧面 Flange ports at side, opposite



安装尺寸图 – 规格80 / 90

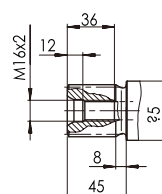
SLNSTALLATION DIMENSIONS - Dimensions size 80 / 90



轴伸 Drive shafts

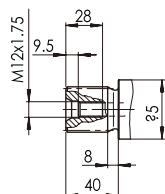
规格 80/90

A 花键轴DIN 5480
W40x2x30x18x9g
P_N = 400 bar



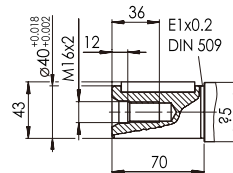
规格 80

Z 花键轴DIN5480
W35x2x30x16x9g
P_N = 400 bar



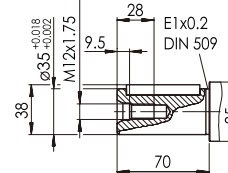
规格 80/90

B 平键直轴,
DIN 6885, As12x8x56
P_N = 350 bar

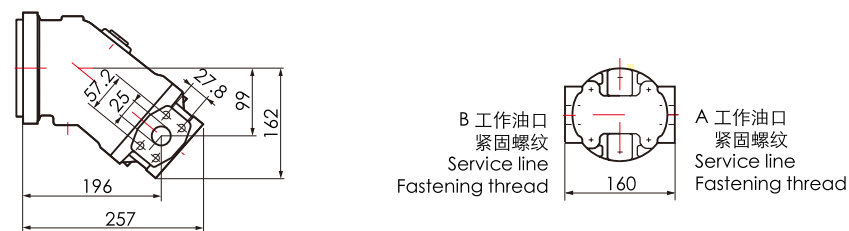


规格 80

P 平键直轴,
DIN 6885, As10x8x56
P_N = 350 bar



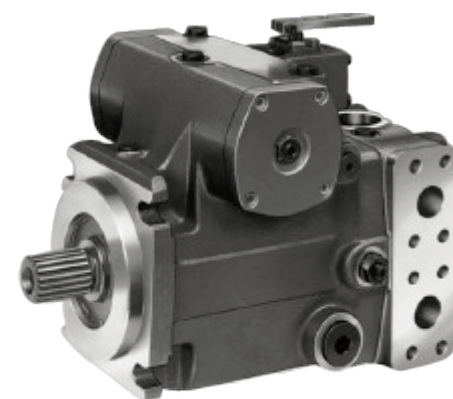
SAE法兰油口，侧面 Flange ports at side, opposite



WA4VTG 轴向柱塞变量泵 WA4VTG AXIAL PISTON VARIABLE PUMP

WA4VTG采用斜盘结构设计的轴向柱塞变量泵，适用于闭式回路的静液压传动。

variable axial piston pump of swashplate design for hydrostatic drives in closed circuit.



产品的特征和优点

- ① 流量与驱动转速和排量成比例可无级调节。
- ② 斜盘摆动角度增加,流量从零至最大值。
- ③ 当斜盘摆动经过零位时,液流方向平稳换向。
- ④ 高压溢流阀保护液压传动元件(泵和马达)不过载，同时作为补油压阀。
- ⑤ 内置辅助泵作为补油和控制油泵。
- ⑥ 通过内装的补油溢流阀限制最大补油压力。

Features and Advantages

- ① The flow is proportional to the drive speed and displacement.
- ② The flow increases as the angle of the swashplate is adjusted from zero to its maximum value.
- ③ Flow direction changes smoothly when the swashplate is moved through the neutral position.
- ④ Two pressure-relief valves are provided on the high pressure ports to protect the hydrostatic transmission (pump and motor) from overload.The high-pressure relief valves also function as boost valves.
- ⑤ The integrated boost pump acts as a feed pump and control pressure supply.
- ⑥ The maximum boost pressure is limited by a built-in boost pressure-relief valve.

型号编码 (WA4VTG SERIES TYPE CODE)

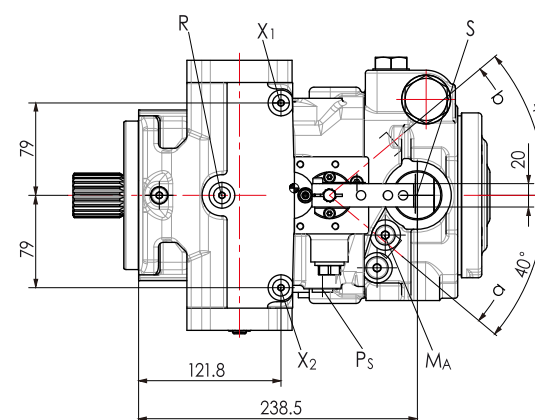
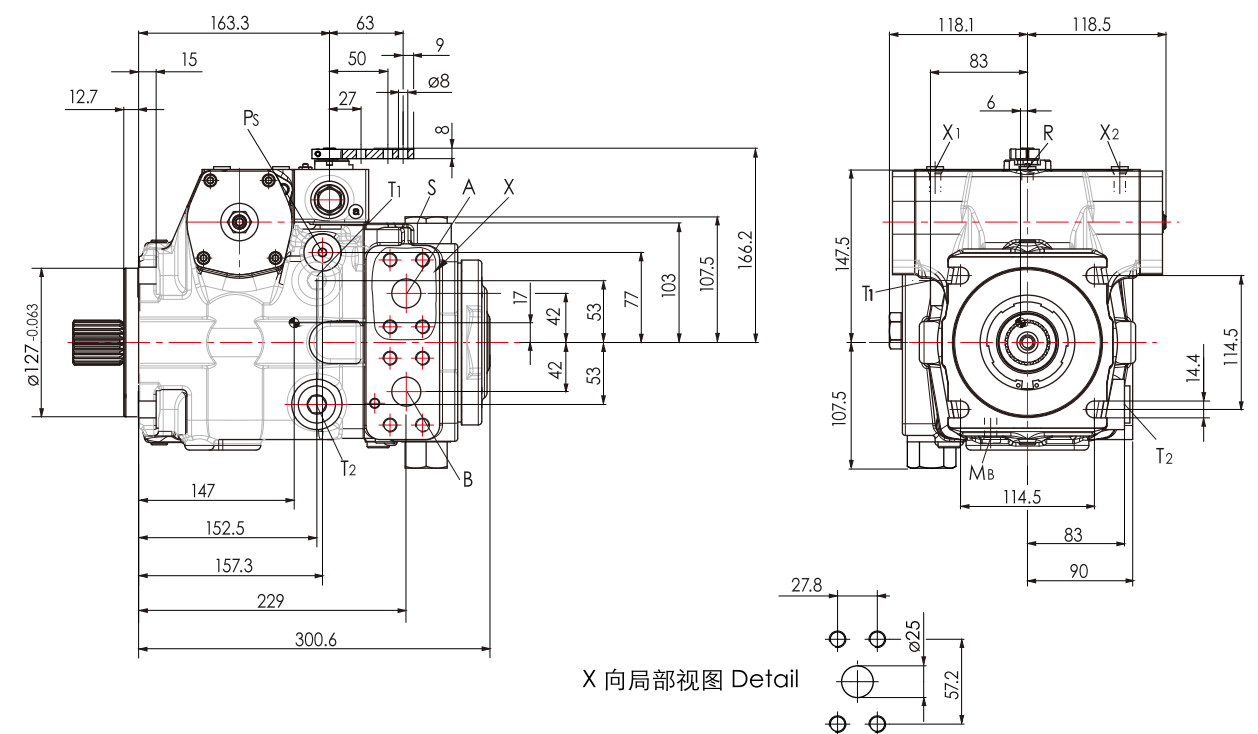
标识 Code	轴向往塞元件 Axial piston unit	标识 Code	安装法兰 Mounting flange
WA4VT	斜盘设计, 变量泵 Swashplate design, variable	C4	SAE J744, 127-4
标识 Code	工作模式 Operation mode	标识 Code	旋花键轴 Splined shaft
G	泵, 闭式回路 Pump, closed circuit	S	不带连接法兰 Without coupling flange
		L	带连接法兰 With coupling flange
标识 Code	排量 Displacement	标识 Code	密封件 Seals
71	71mL/r	V	FKM氟橡胶 Fluor-caoutchouc
标识 Code	旋转方向(从轴端上看) Direction of rotation Viewed at shaft end	标识 Code	控制设备 Control device
R	顺时针 Clockwise	HW	液压比例控制, 机械伺服 Proportional control hydraulic Mechanical servo
L	逆时针 Anticlockwise	Ep3	12V DC, 电气比例控制 Proportional control electric
		Ep4	24V DC, 电气比例控制 Proportional control electric

技术参数 (TECHNICAL PARAMETERS)

规格	Model	71
变量泵排量	Variable pump displacement	71 mL/r
辅助泵排量	Boost pump displacement	19.6 mL/r
最高转速	Maximum speed	3300 r/min
最低转速	Minimum speed	500 r/min
流量	Flow	234 L/min
功率	Power	156 KW
最大扭矩	Maximum torque	451 Nm
工作方式	Operation mode	闭式系统 Closed circuit

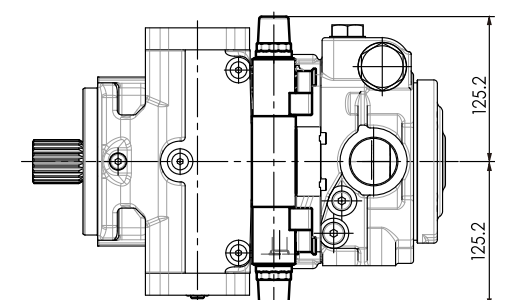
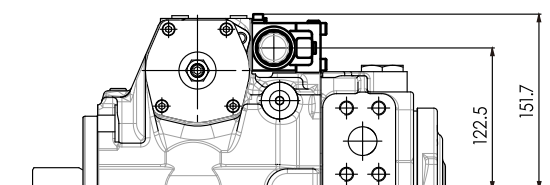
安装尺寸图 – 规格 71

SLNSTALLATION DIMENSIONS - Dimensions size 71



EP-电气比例控制

EP-Proportional control electric



A、B: 工作管路紧固螺纹 Service line Fixing thread A/B
S: 吸油 Suction
T1、T2: 油箱 Tank
R: 排气口 Air bleed
X1、X2: 控制压力 Control pressure
Ps: 先导压力, 入口 Pilot pressure, inlet
MA、MB: 测量压力 Measuring pressure A、B