

Show China Eternal Quality To The World

Vane Pump



COMPANY PROFILE



Eternal Hydraulic belongs to Eternal Group, which is a International Well-known Professional Hydraulic Enterprise with 6 Own Manufacturing Bases in 2023, and we will complete our 12+ Manufacturing Bases in future 5 years to become the No.1 Hydraulic Alliance Group Enterprise.

Eternal Hydraulic are integrating Design&Develop&Manufacturing&Marketing for Hydraulic Components, and with more than 16+ years experience in Hydraulic Field.

Eternal Hydraulic commit ourselves to the No.1 Global One-Stop Mall in Hydraulic Field, Our products are widely used in Agricultural Machinery, Forestry Machinery, Dump Trucks & Special Vehicles, Municipal Sanitation Machinery, Construction Machinery, Logistics&Forklift Machinery, Industrial Equipment, Mining machinery, Marine Machinery and Military Machinery etc, with 98% Good Quality&Price Feedback from market.

Eternal Hydraulic can be used in all Equipments which need Hydraulic Power.

Eternal Hydraulic keep good cooperative relationship with most of International Well-known Hydraulic Companies to provide best Service to our all regular customers.

Eternal Hydraulic firmly believes that "Only the Best can Satisfied the Best", become the First and Best Purchase Choice of Hydraulic Components in all over the World.

Inviting all ability Partners to join in us to complete 86+ Strategic Partners in all over the World.

ETERNAL HYDRAULIC PUMP MANUFACTURING BASE

● No. of Workers: 180+ ● Factory area: 40,000m²



MAIN PRODUCTS

Gear Pump: Parker, Hyva, Europe Series, Hydrosila Series...

Vane Pump: Eaton Vickers, Denison, Yuken, Tokimec Series...

CERTIFICATES





EXHIBITION



EXHIBITION



SAMPLE ROOM



SAMPLE ROOM

APPLICATIONS



Agricultural Machinery



Forklift



Sanitation Machinery



Forestry Machinery



Construction Machinery



Dump Truck



Industry



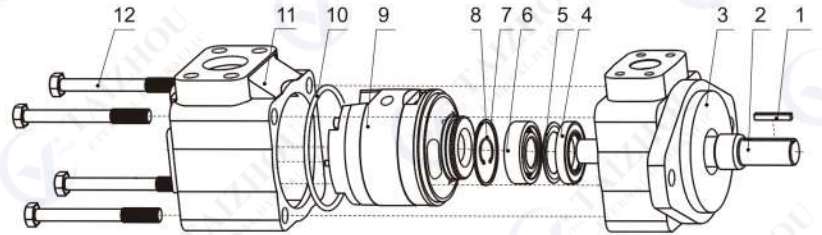
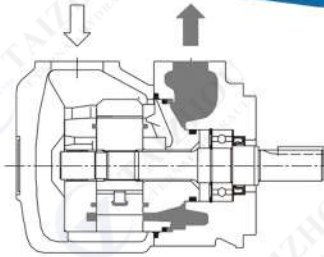
Mining Machine



Ship Machinery

V/VQ Series Vane Pump.....	1
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VVQ系列叶片泵 VVQ Series Vane Pump



序号	名称	数量	序号	名称	数量	序号	名称	数量
1	平键 Flat key	1	5	垫片 Shim	1	9	泵芯 Cartridge kit	1
2	轴 Shaft	1	6	滚动轴承 Rolling bearing	1	10	O型圈 O-ring	1
3	前盖 Front cover	1	7	叠形挡圈 Laminated retaining ring	1	11	后盖 End cover	1
4	油封 Oil seal	1	8	轴用弹性挡圈 External circlips	1	12	六角头螺栓 Hexagon headed bolt	1

■ VVQ系列单泵 VVQ Series Single Pump

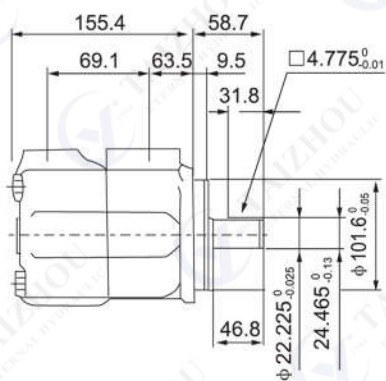
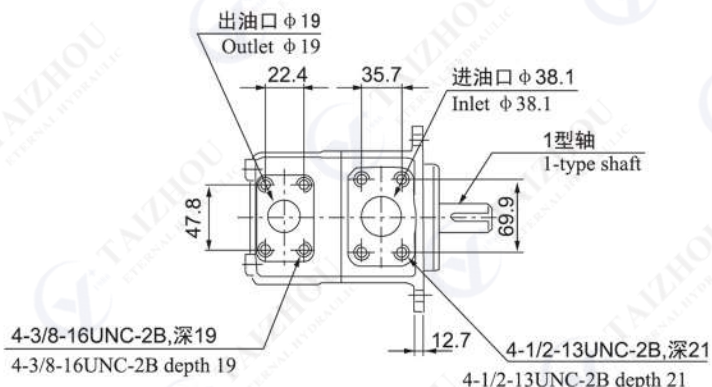
(F3-)	25V	17	A	(F)	-1	A	22	L
前注 Front marks	系列号 Code of series	▲排量代号 Displacement codes	油口连接 Pump port connection	安装型式 Mounting type	轴伸形式 Shaft extension	出口口位置 Outlet port position	设计号 Designing No.	旋转方向 Direction of rotation
无标记: 丁腈橡胶 No mark: Nitrile rubber F3: 氟橡胶 F3: Fluoro rubber	20V 20VQ	2,3,4,5,6,7,8,9, 10,11,12,14	A-SAE 4螺栓法兰 4-bolted Flange	无标记: 法兰安装型 Flange mounting F- 脚座安装型 F-Foot mounting	1-带键直轴 1- straight shaft with key 151-花键轴 151-spline shaft	(从泵的盖端看) (from cover end pump) A-进口油对侧 A- Opposition of inlet B-从进口油逆时针90° B- counterclockwise 90° from inlet C-进口油同侧 C- the same side of inlet D-从进口油顺时针90° D- Clockwise 90° from inlet	22	(从泵的轴端看) (from shaft end pump) L-逆时针旋转 L-counterclockwise rotation 无标记: No marks: 顺时针旋转 Clockwise rotation
	25V 25VQ	10,14,15,17, 19,21			1-带键直轴 1- straight shaft with key 86-重型带键直轴 86-heavy-duty straight shaft with key 11-花键轴 11-spline shaft			
	35V 35VQ	21,25,30,32,35, 38,45						
	45V 45VQ	42,45,50,57,60, 66,75						

■ VVQ系列双泵 VVQ Series Double Pump

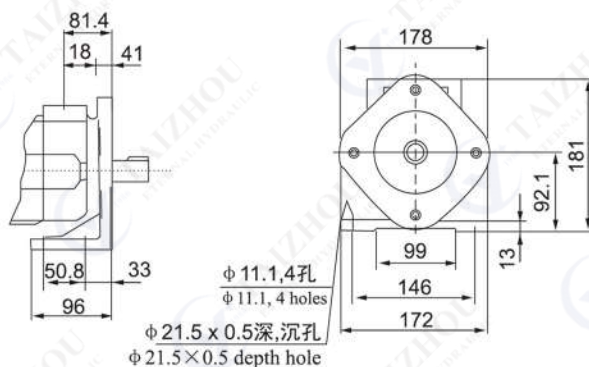
(F3-)	2520V	14	A	8	(F)	-1	*	20	*
前注 Front marks	系列号 Code of series	前泵排量代号 Displacement code of front pump	油口连接 Pump port mounting	后泵排量代号 Displacement code of rear pump	安装型式 Mounting type	轴伸形式 Shaft extension	油口位置 Pump position	设计号 Designing No.	旋转方向 Direction of rotation
无标记: 丁腈橡胶 No mark: Nitrile rubber F3: 氟橡胶 F3: Fluoro rubber	2520V 2520VQ	10,12,14,15,17, 19,21	A-SAE 4螺栓法兰 4-bolted Flange	2,3,4,5,6,7,8,9, 10,11,12,14	无标记: 法兰安装型 Flange mounting F- 脚座安装型 F-Foot mounting	1-带键直轴 1- straight shaft with key 86-重型带键直轴 86-heavy-duty straight shaft with key 11-花键轴 11-spline shaft	见下表 See as the following table	20	(从泵的轴端看) (from shaft end pump) 无标记: No marks: 顺时针旋转 Clockwise rotation L-逆时针旋转 L-counterclockwise rotation
	3520V 3520VQ	21,25,30,32,35, 38,45		2,3,4,5,6,7,8,9, 10,11,12,14					
	3525V 3525VQ	21,25,30,32,35, 38,45		10,12,14,15,17, 19,21					
	4525V 4520VQ	42,45,50,57,60, 66,75		2,3,4,5,6,7,8,9, 10,11,12,14					
	4525V 4525VQ	42,45,50,57,60, 66,75		10,12,14,15,17, 19,21					
	4535V 4535VQ	42,45,50,57,60, 66,75		21,25,30,32,35, 38,45					

■ 安装连接尺寸 Installation Size

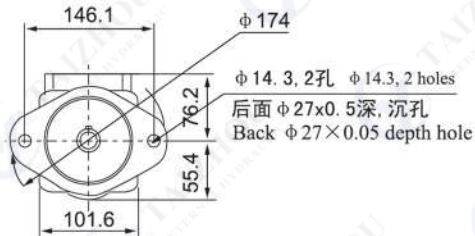
20V/VQ法兰安装 20V/VQ Flange Mounting



20V/VQ脚座安装 20V/VQ Foot Mounting

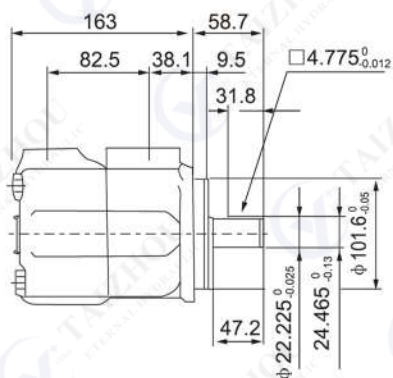
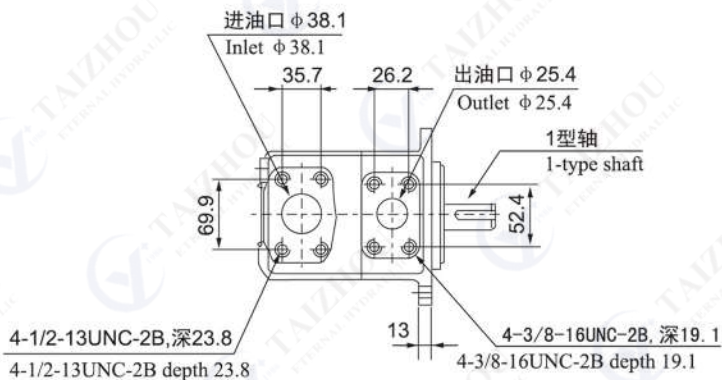


其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes

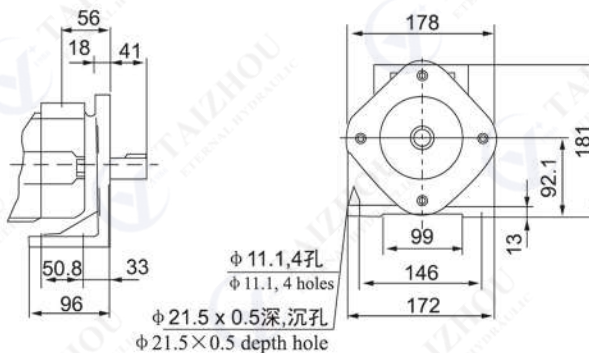


其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

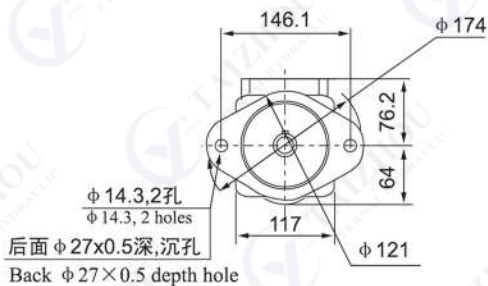
25V/VQ法兰安装 25V/VQ Flange Mounting



25V/VQ脚座安装 20V/VQ Foot Mounting



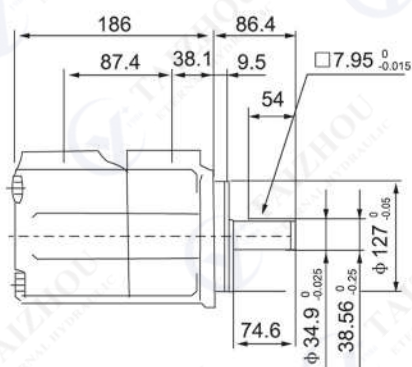
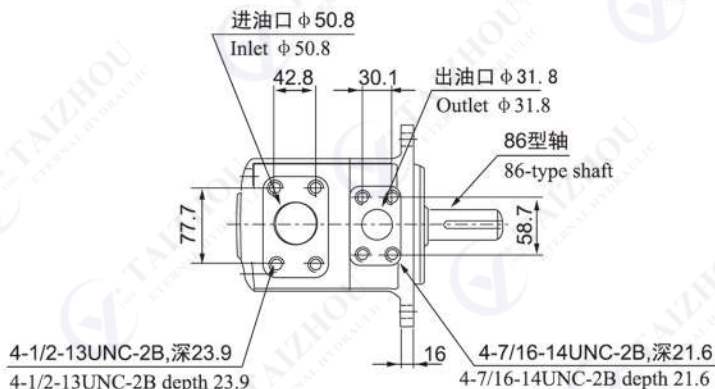
其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes



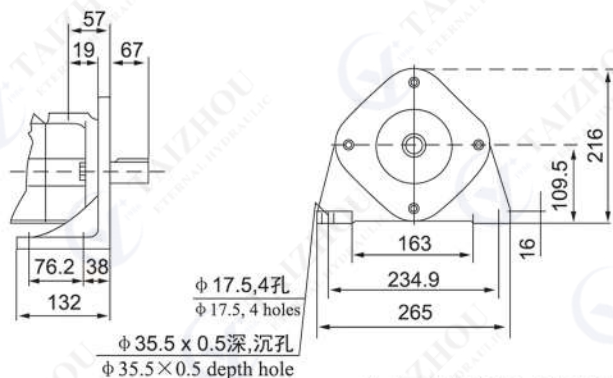
其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

■ 安装连接尺寸 Installation Size

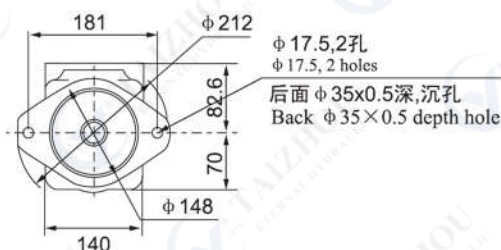
35V/VQ法兰安装 35V/VQ Flange Mounting



35V/VQ脚座安装 35V/VQ Foot Mounting

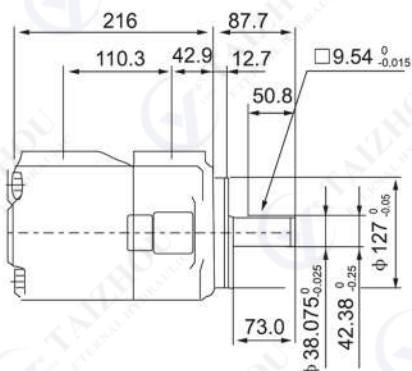
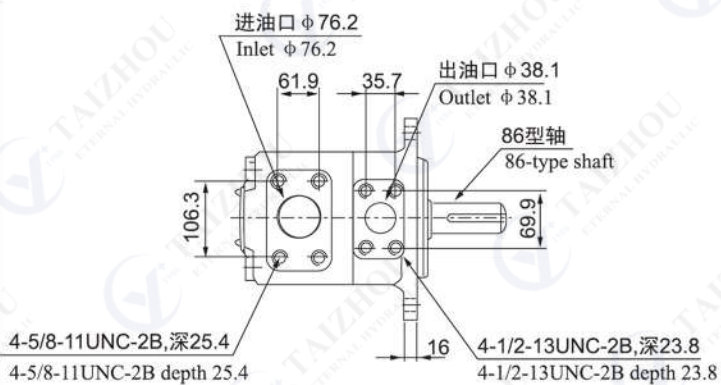


其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes

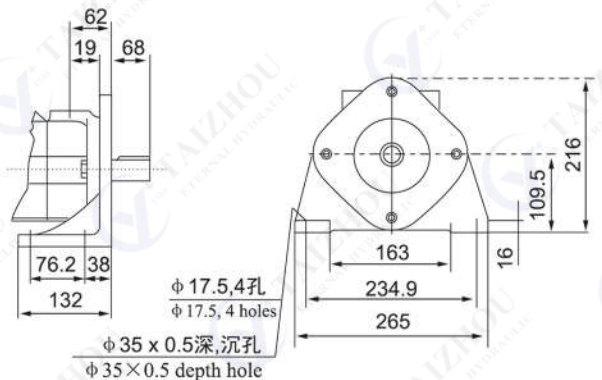


其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

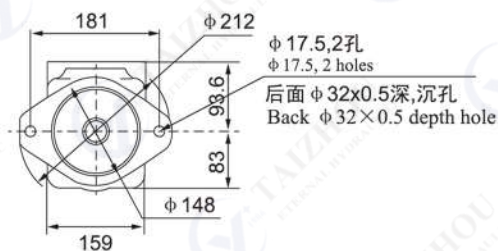
45V/VQ法兰安装 45V/VQ Flange Mounting



45V/VQ脚座安装 45V/VQ Foot Mounting



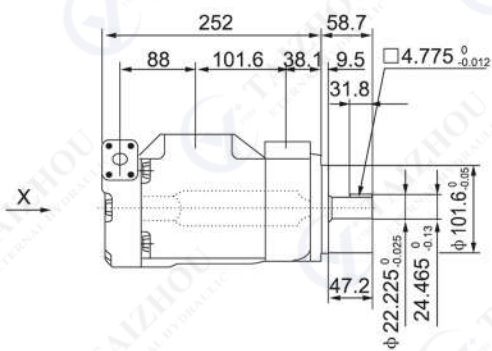
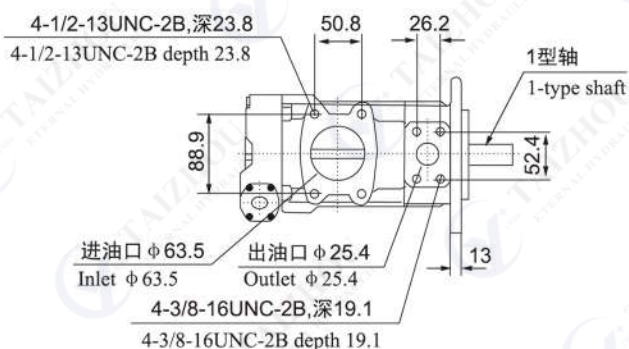
其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes



其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

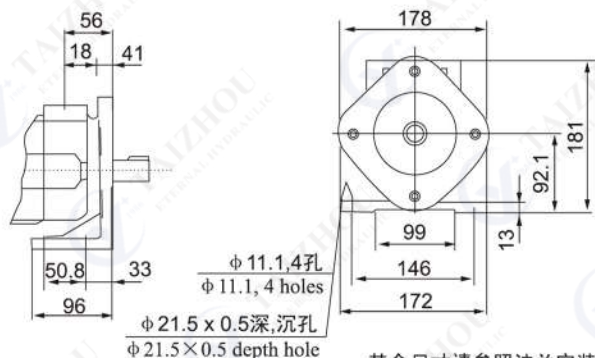
■ 安装连接尺寸 Installation Size

2520V/VQ法兰安装 2520V/VQ Flange Mounting

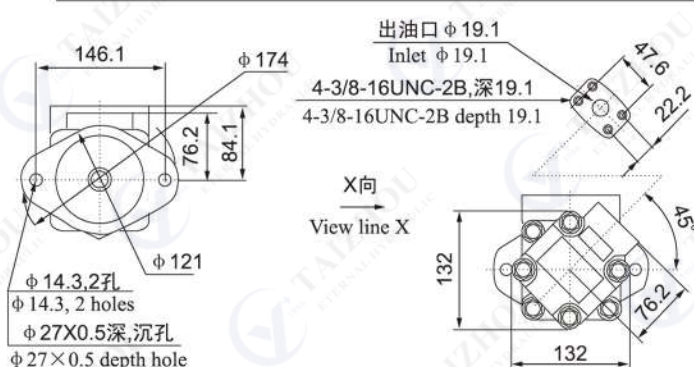


其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

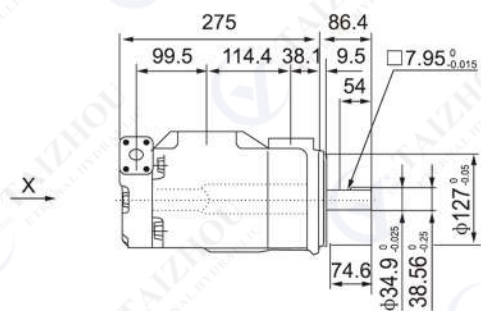
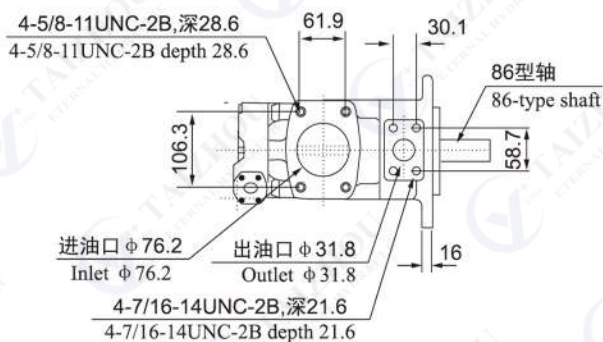
2520V/VQ脚座安装 2520V/VQ Foot Mounting



其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes

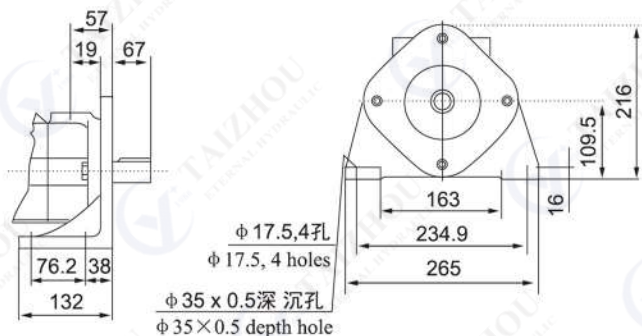


3520V/VQ法兰安装 3520V/VQ Flange Mounting

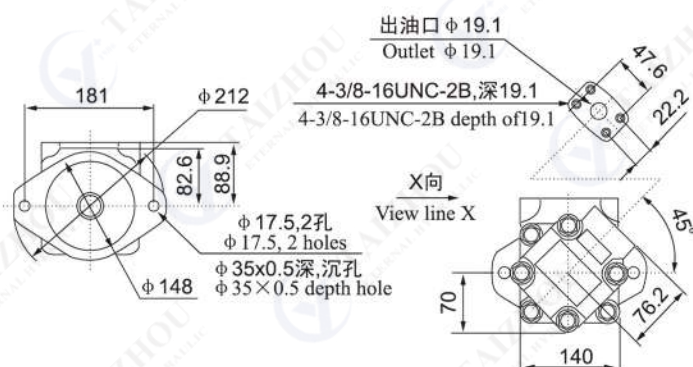


其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

3520V/VQ脚座安装 3520V/VQ Foot Mounting

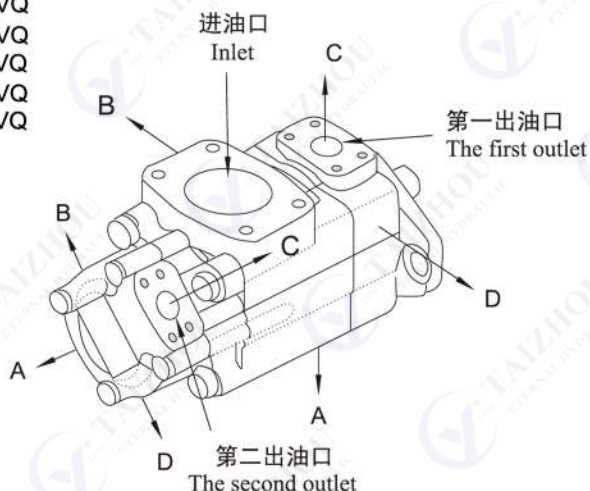


其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes

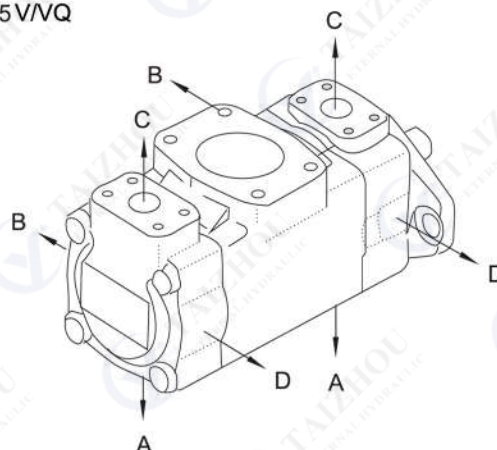


■ 油口位置表（从泵的盖端看） Pump Oil Port Position (Viewed From Cover End Pump)

- 2520 V/VQ
- 3520 V/VQ
- 3525 V/VQ
- 4520 V/VQ
- 4525 V/VQ



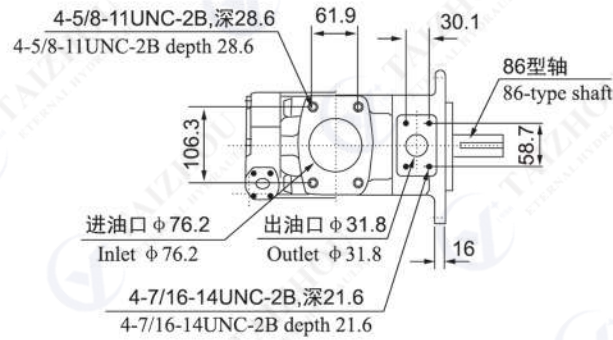
- 4535 V/VQ



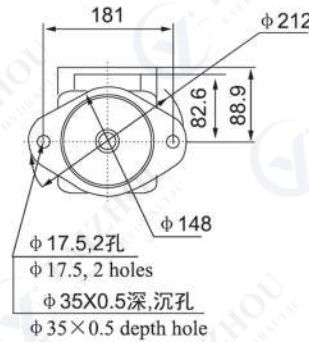
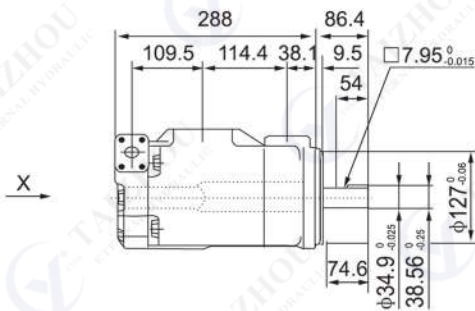
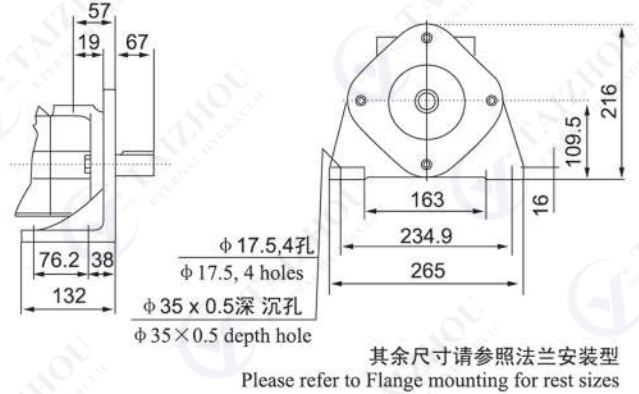
油口位置 Pump position	所有系列（除4535V/VQ外） All series (except for 4535V/VQ)	4535V/VQ
第一出油口 在进油口对侧 The first outlet is the opposition side of inlet.	AA 第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	AB 第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	AC 第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	AD 第二出油口在进油口顺时针转135° The second outlet is to clockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet
第一出油口 从进油口逆 时针转90° The first outlet is to counterclockwise rotation of 90° from inlet	BA 第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	BB 第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	BC 第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	BD 第二出油口在进油口顺时针转135° The second outlet is to clockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet
第一出油口 在进油口同侧 The first outlet is the same side of inlet.	CA 第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	CB 第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	CC 第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	CD 第二出油口在进油口顺时针转135° The second outlet is to clockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet
第一出油口 从进油口顺 时针转90° The first outlet is to clockwise rotation of 90° from inlet	DA 第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	DB 第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	DC 第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	DD 第二出油口在进油口顺时针转135° The second outlet is to clockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet

■ 安装连接尺寸 Installation Size

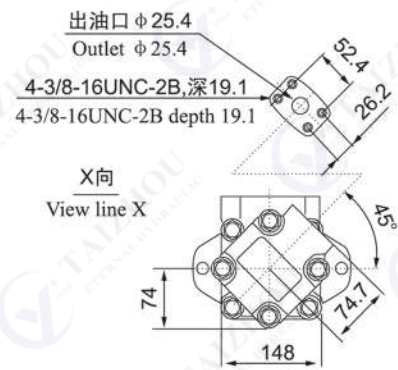
3525V/VQ法兰安装 3525V/VQ Flange Mounting



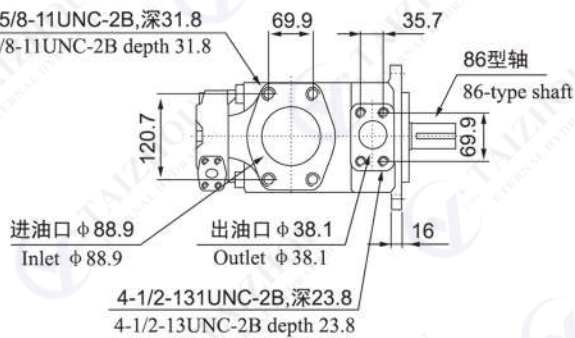
3525V/VQ脚座安装 3525V/VQ Foot Mounting



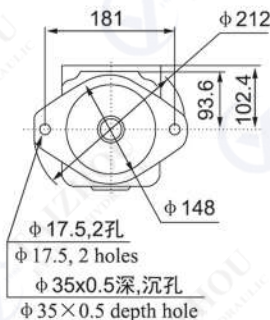
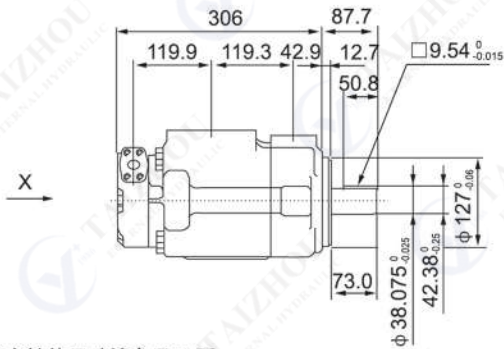
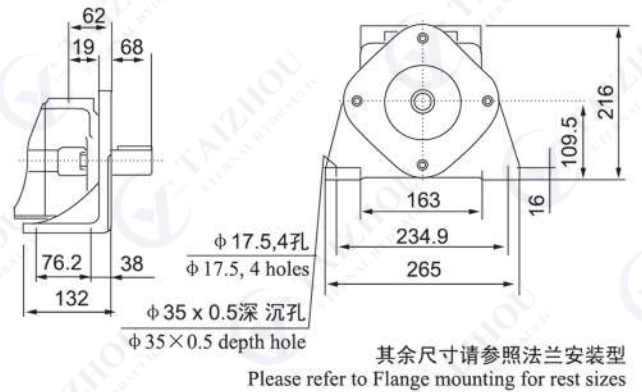
其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes



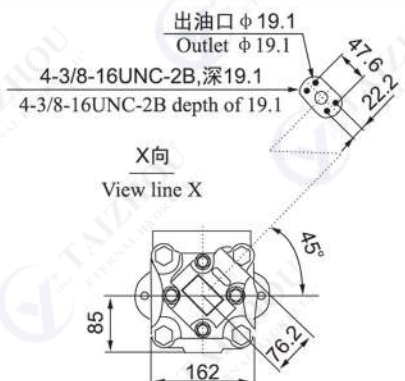
4520V/VQ法兰安装 4520V/VQ Flange Mounting



3525V/VQ脚座安装 3525V/VQ Foot Mounting

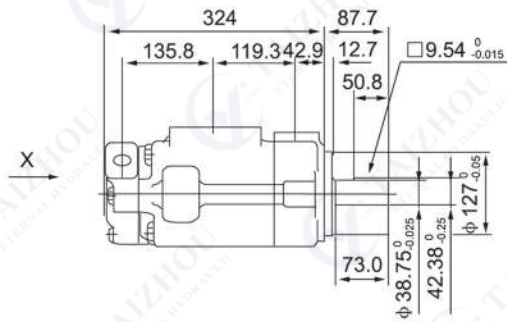
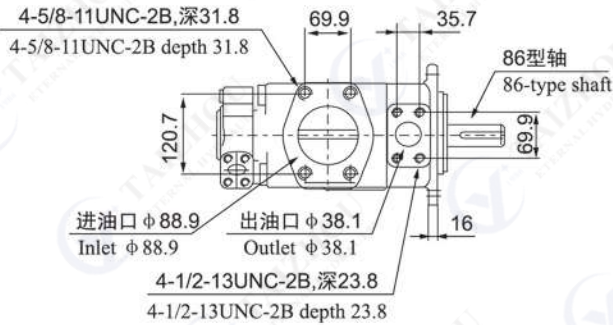


其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes



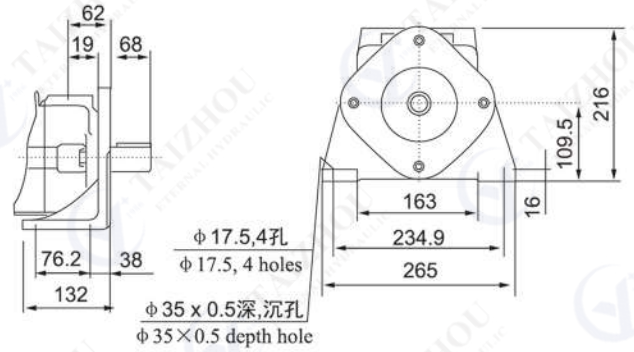
■ 安装连接尺寸 Installation Size

4525V/VQ法兰安装 4525V/VQ Flange Mounting

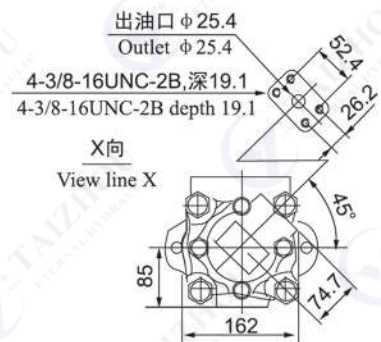
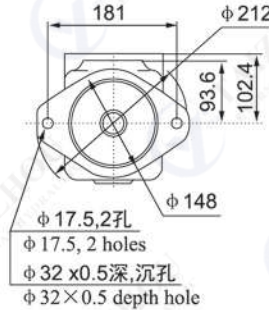


其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

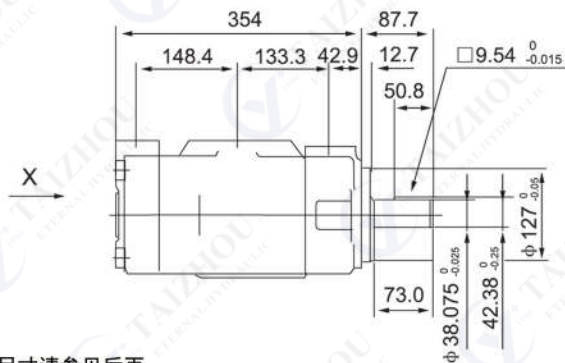
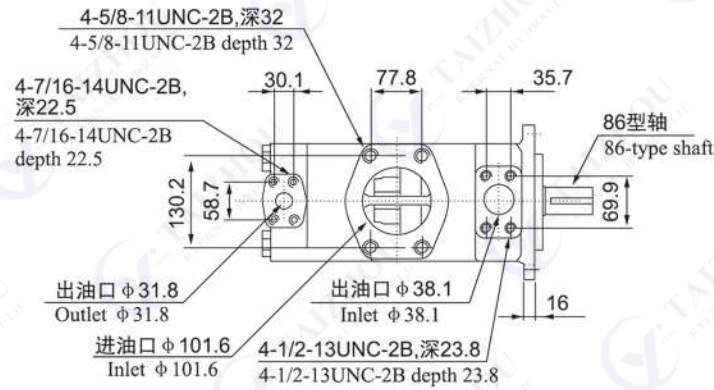
4525V/VQ脚座安装 4525V/VQ Foot Mounting



其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes

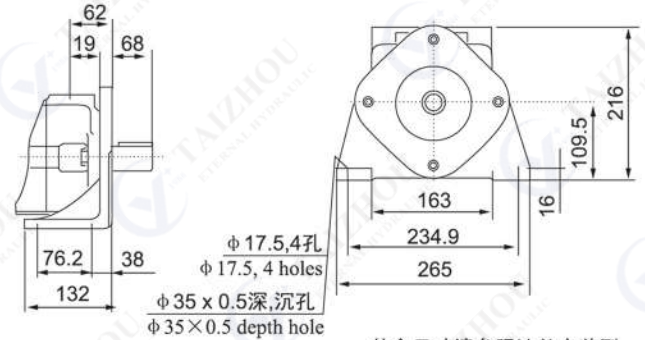


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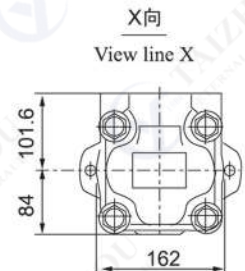
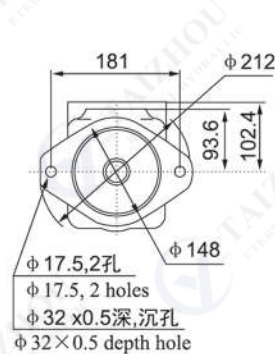


其他轴伸尺寸请参见后页
Please refer to shaft extension sizes in rear page for rest sizes

4535V/VQ脚座安装 4535V/VQ Foot Mounting



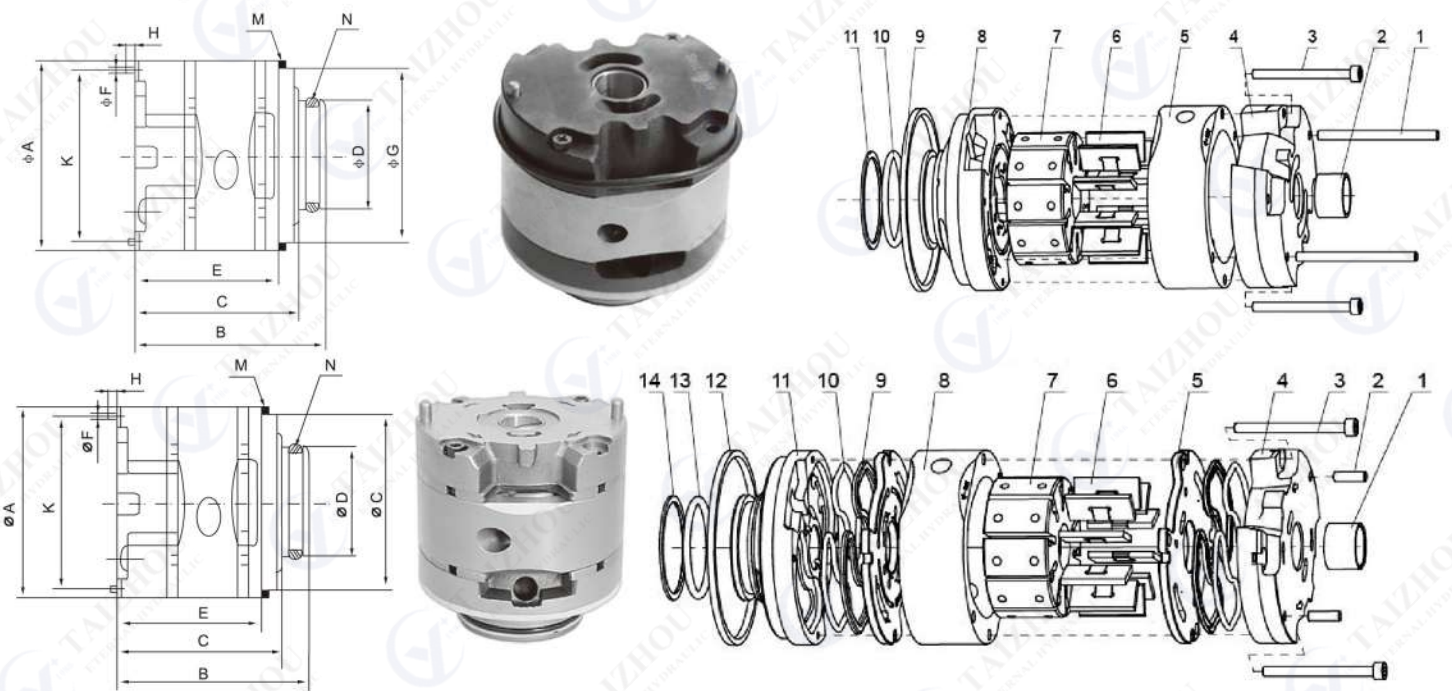
其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes



■ V/VQ/SQP系列泵芯 V/VQ/SQP Series Cartridge kit

(F3-)	PC-	20VQ	-5	-R	-10
前注 Front marks	泵芯标记 Pump core marks	系列号 Models	▲排量代号 Displacement code	旋转方向 Direction of rotation	设计号 Designing No.
无标记: 丁腈橡胶 No mark: Nitrile rubber	PC-单泵泵芯 & 双联泵前泵芯 PC-Single Pump kit & Double Vane pump front kit	20V 20VQ SQP1	2,3,4,5,6,7,8,9,10,11,12,14	(从泵的轴端看) (from shaft end pump) L-逆时针旋转 L-counterclockwise rotation R-顺时针旋转 R-clockwise rotation	10
F3: 氟橡胶 F3: Fluoro rubber	PCT-双联泵后泵芯 PCT-Double vane pump rear kit	25V 25VQ SQP2	10,12,14,15,17,19,21		
		35V 35VQ SQP3	21,25,30,32,35,38,45		
		45V 45VQ SQP4	42,45,50,57,60,66,75		

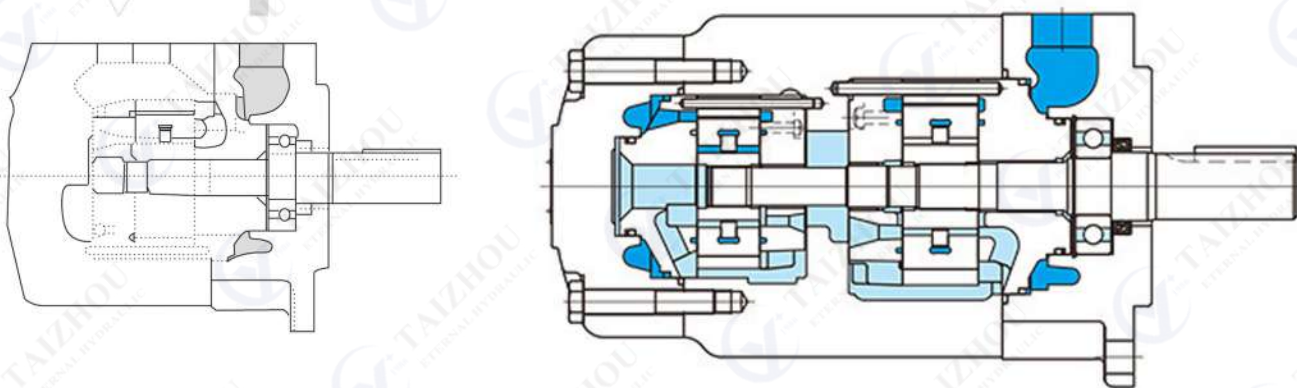
■ 安装连接尺寸 Installation Size



系列号 Models	A	B	C	D	E	F	G	H	K	M (挡圈) M (ring)	N(O型圈) (内径×线径) N (O type ring) (Inner diameter×lead wire diameter)
20V/VQ SQP1	82.5	81.5	70.1	47	61.5	4.8	76.2	6	73.6	82.76×76.26×3.5	40×3.5
25V/VQ SQP2	96.8	98.8	87	52.2	71.2	4.8	90.5	5	88.19	97×91×3.5	44×3.53
35V/VQ SQP3	114.3	117.7	105	72.2	90.3	6.4	108	6	103.94	114.5×108.5×3.5	63.09×3.53
45V/VQ SQP4	133.35	141.1	129.6	80.2	105.5	6.4	127	10	133.35	133.6×127.6×3.5	71×3.55

转子内花键齿廓参数 Spline teeth No. in rotor

系列号 Models	模数 Modulus	齿数 No. of teeth	标准压力角 Standard angle	大径 Major diameter	小径 Minor diameter
20V/VQ SQP1	48/96	30	45°	16.617	15.56
25V/VQ SQP2	48/96	40	45°	21.9	20.86
35V/VQ SQP3	40/80	37	45°	24.38	23.1
45V/VQ SQP4	12/24	14	30°	32.59	27.60



■ SQP系列单泵 SQP Series Single Pump

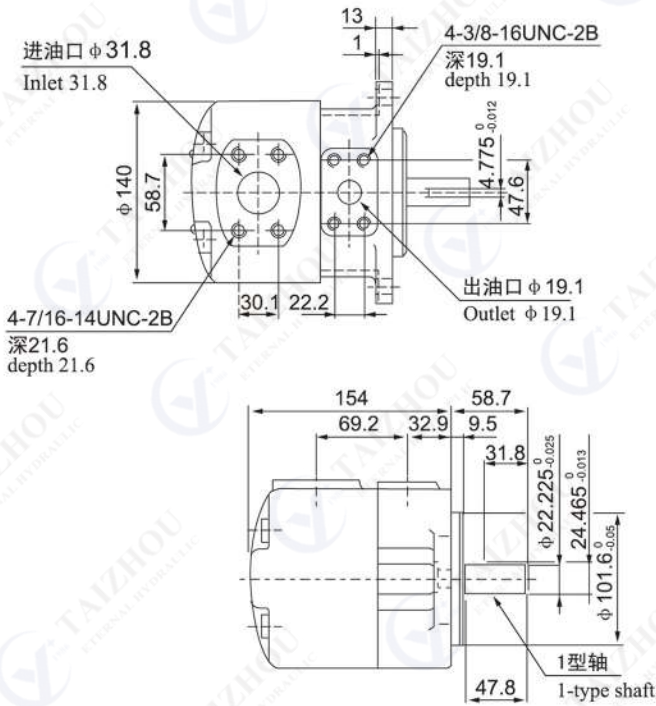
(F3-)	SQP2	-21	-86	C	(F)	(LH)	-18
前注 Front marks	泵壳号 Pump shell No	▲排量代号 Displacement codes	轴伸形式 Shaft extension	出油口位置 Outlet port position	安装型式 Mounting type	旋转方向 Direction of rotation	设计号 Designing No.
无标记: 丁腈橡胶 No mark: Nitrile rubber	SQP1	2,3,4,5,6,7,8,9 10,11,12,14	1-带键直轴 1-straight shaft with key	(从泵的盖端看) A-进口油对侧 A- Opposition of inlet B-从进口油逆时针90° B- counterclockwise 90° from inlet C-进口油同侧 C- the same side of inlet D-从进口油顺时针90° D- Clockwise 90° from inlet	无标记- 法兰安装型 No mark- Flange mounting	(从泵的盖端看) LH-逆时针旋转 LH- counterclockwise rotation	15
F3: 氟橡胶 F3: Fluoro rubber	SQP2	10,11,12,14,15,17, 19,21	86-重型带键直轴 86- heavy-duty straight shaft with key		F: 脚座安装型 Foot mounting	无标记 No mark 顺时针旋转 Clockwise rotation	18
	SQP3	21,25,30,32,35, 38,45					
	SQP4	42,45,50,57,60 66,75					

■ SQP系列双泵 SQP Series Double Pump

(F3)	SQP32	35	17	86	CD	(F)	-(LH)	18
前注 Front marks	系列号 Code of series	前泵排量代号 Displacement code of front pump	后泵排量代号 Displacement code of rear pump	轴伸形式 Shaft extension	油口位置 Pump position	安装型式 Mounting type	旋转方向 Direction of rotation	设计号 Designing No.
无标记: 丁腈橡胶 No mark: Nitrile rubber	SQP21	10,12,14,15,17, 19,21	2,3,4,5,6,7,8,9, 10,11,12,14	1-带键直轴 1- straight shaft with key	见下表 See as the following table	无标记- 法兰安装型 No marks- Flange mounting	(从泵的轴端看) LH-逆时针旋转 LH-counterclockwise rotation	18
F3: 氟橡胶 F3: Fluoro rubber	SQP31	21,25,30,32,35, 38,45	2,3,4,5,6,7,8,9, 10,11,12,14	86-重型带键直轴 86-heavy-duty straight shaft with key		F- 脚座安装型 Foot mounting	无标记- 顺时针旋转 No marks - clockwise	
	SQP32	21,25,30,32,35, 38,45	10,12,14,15,17, 19,21					
	SQP41	42,45,50,57,60, 66,75	2,3,4,5,6,7,8,9, 10,11,12,14					
	SQP42	42,45,50,57,60, 66,75	10,12,14,15,17, 19,21					
	SQP43	42,45,50,57,60, 66,75	21,25,30,32,35, 38,45					

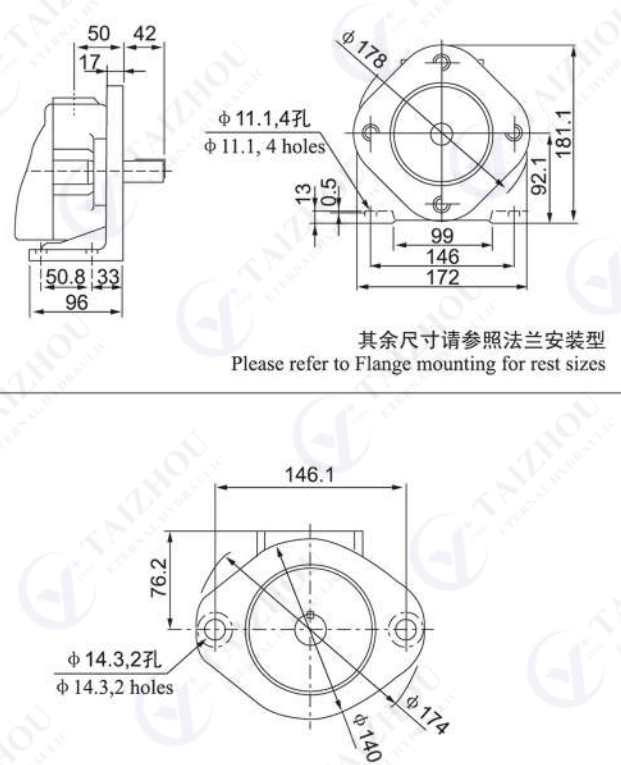
■ 安装连接尺寸 Installation Size

SQP1法兰安装型 SQP1 Flange mounting

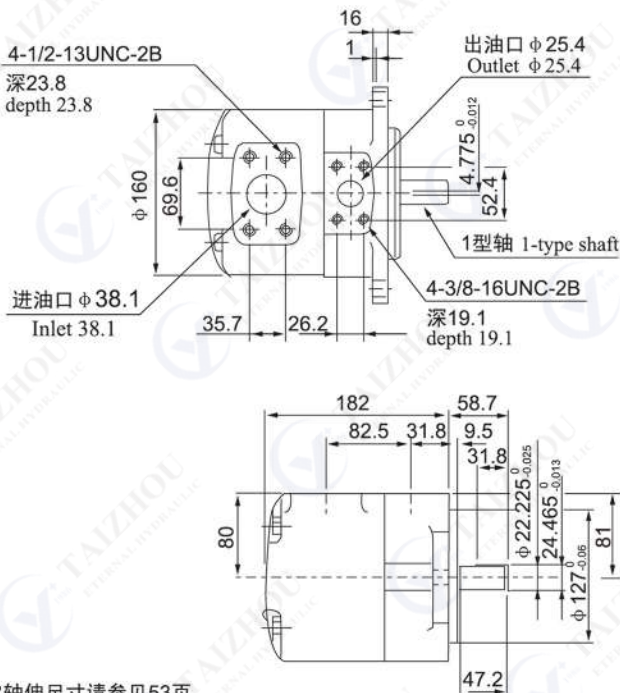


其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

SQP1脚座安装型 SQP1 foot mounting

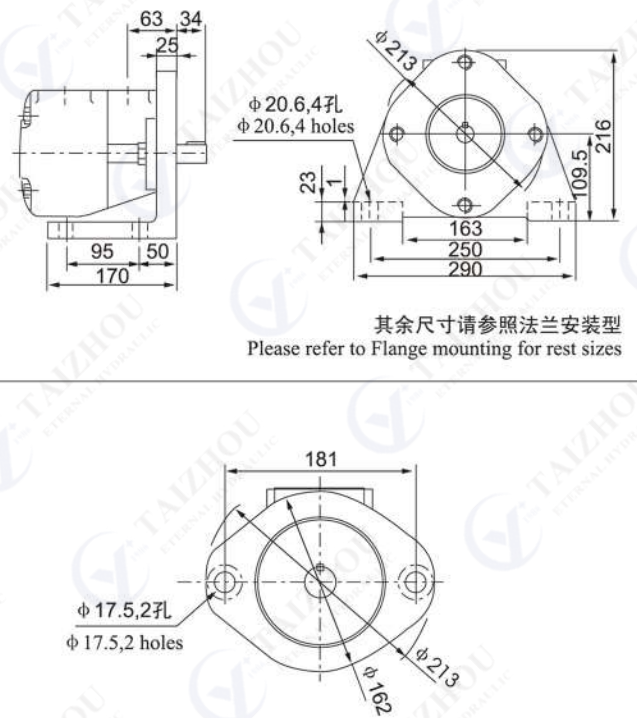


SQP2法兰安装型 SQP2 Flange mounting



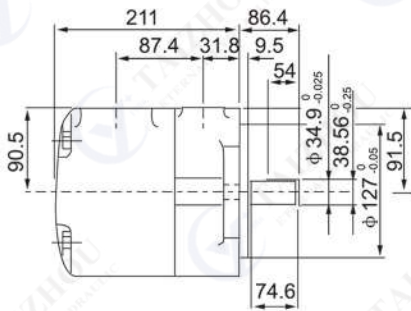
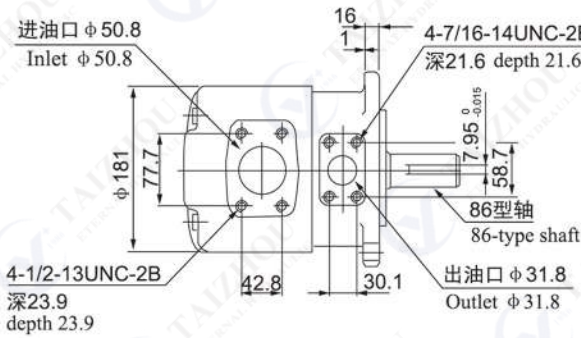
其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

SQP2脚座安装型 SQP2 foot mounting



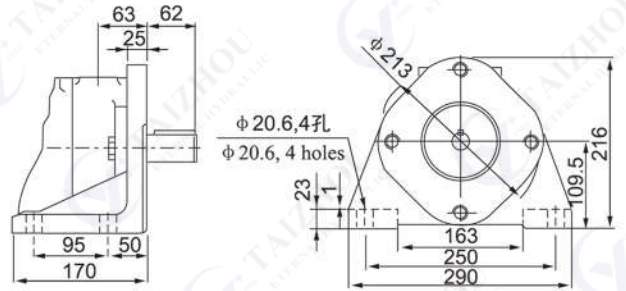
■ 安装连接尺寸 Installation Size

SQP3法兰安装型 SQP3 Flange mounting

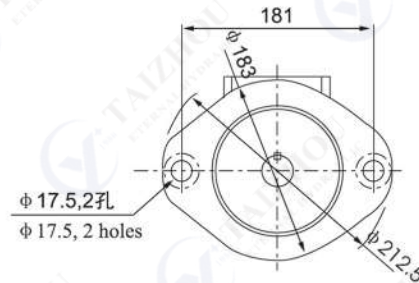


其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

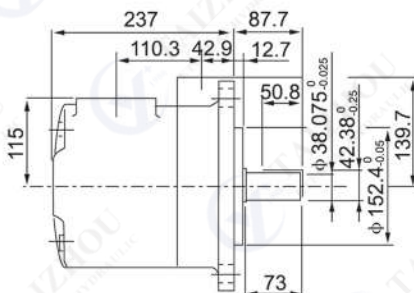
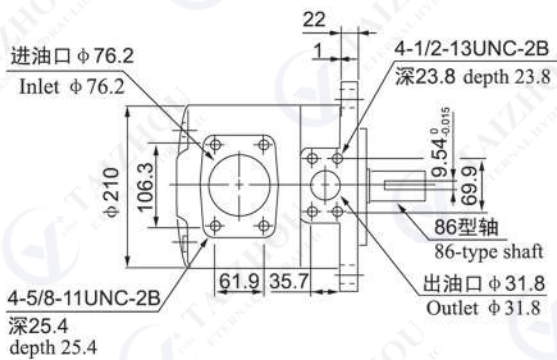
SQP3脚座安装型 SQP3 foot mounting



其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes

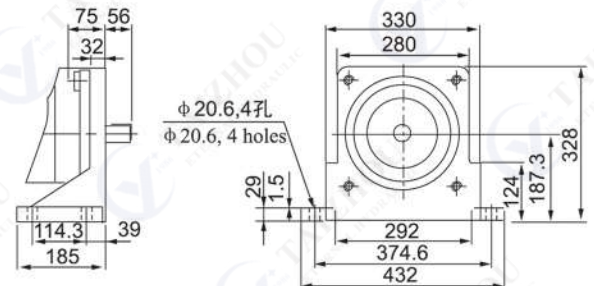


SQP4法兰安装型 SQP4 Flange mounting

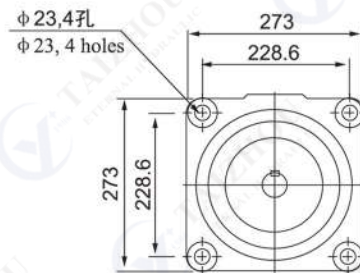


其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

SQP4脚座安装型 SQP4 foot mounting

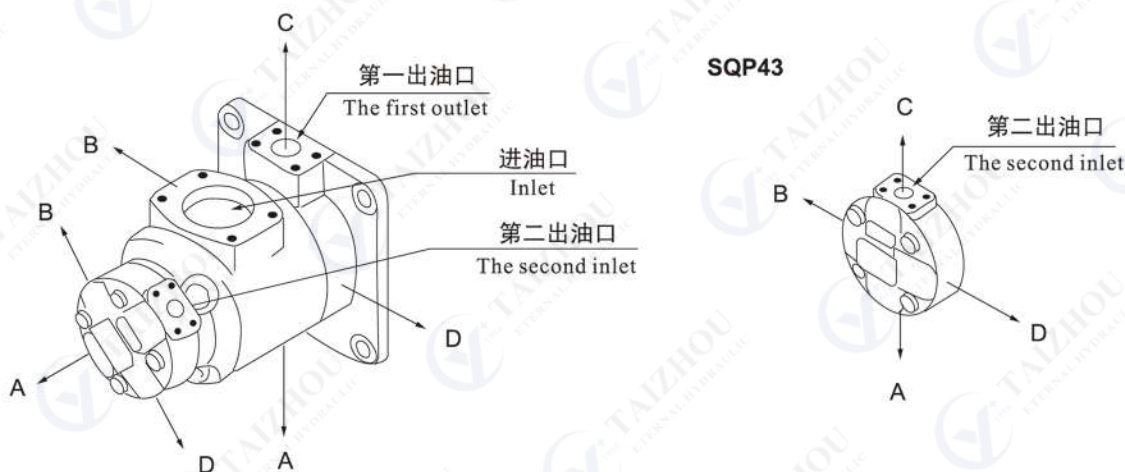


其余尺寸请参照法兰安装型
Please refer to Flange mounting for rest sizes



油口位置表（从泵的盖端看） Pump Oil Port Position (Viewed From Cover End Pump)

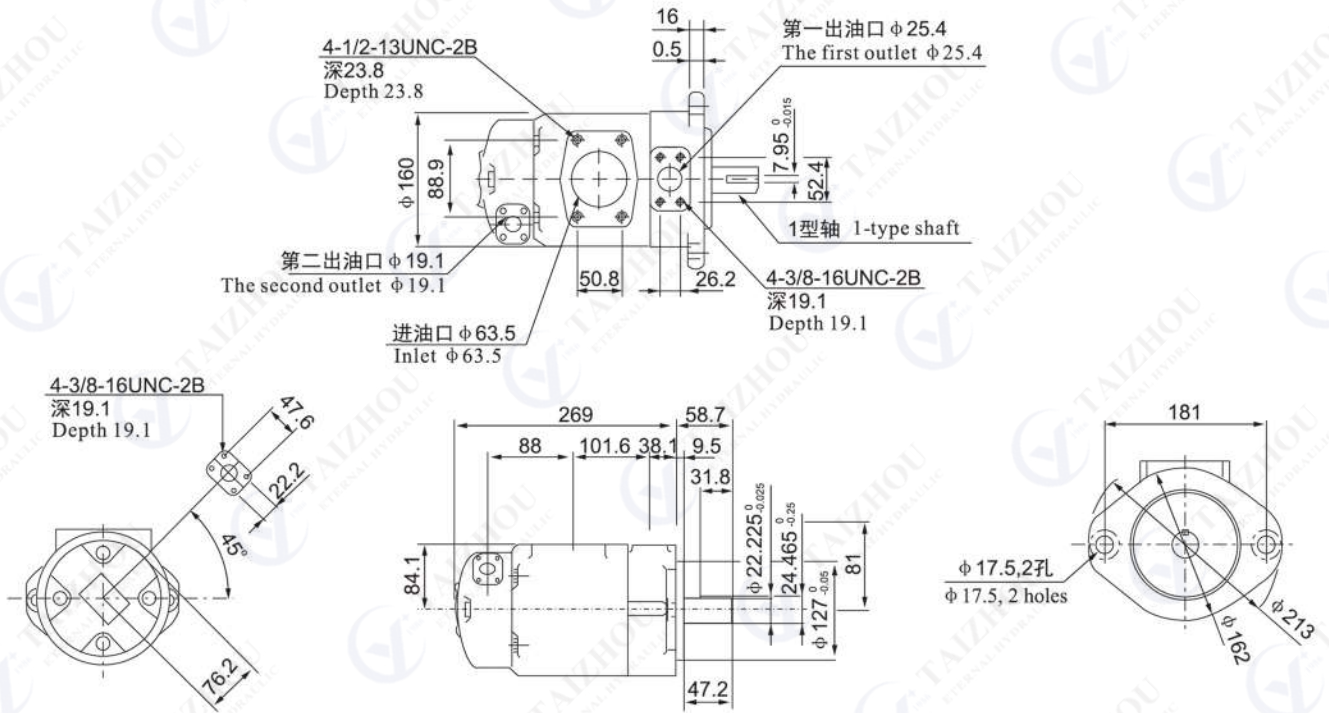
油口位置 Pump position



油口位置 Pump position		所有系列（除SQP43外） All series (except for SQP43)	SQP43
第一出油口 在进油口对侧 The first outlet is the opposition side of inlet.	AA	第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	AB	第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	AC	第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	AD	第二出油口在进油口顺时针转135° The second outlet is to clockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet
第一出油口 从进油口逆 时针转90° The first outlet is to counterclockwise rotation of 90° from inlet	BA	第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	BB	第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	BC	第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	BD	第二出油口在进油口顺时针转135° The second outlet is to clockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet
第一出油口 在进油口同侧 The first outlet is the same side of inlet.	CA	第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	CB	第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	CC	第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	CD	第二出油口在进油口顺时针转135° The second outlet is to clockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet
第一出油口 从进油口顺 时针转90° The first outlet is to clockwise rotation of 90° from inlet	DA	第二出油口在进油口逆时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口对侧 The second outlet is the opposition side of inlet.
	DB	第二出油口在进油口逆时针转45° The second outlet is to counterclockwise rotation of 45° from inlet	第二出油口在进油口逆时针转90° The second outlet is to counterclockwise rotation of 90° from inlet
	DC	第二出油口在进油口顺时针转45° The second outlet is to clockwise rotation of 45° from inlet	第二出油口在进油口同侧 The second outlet is the same side of inlet.
	DD	第二出油口在进油口顺时针转135° The second outlet is to counterclockwise rotation of 135° from inlet	第二出油口在进油口顺时针转90° The second outlet is to clockwise rotation of 90° from inlet

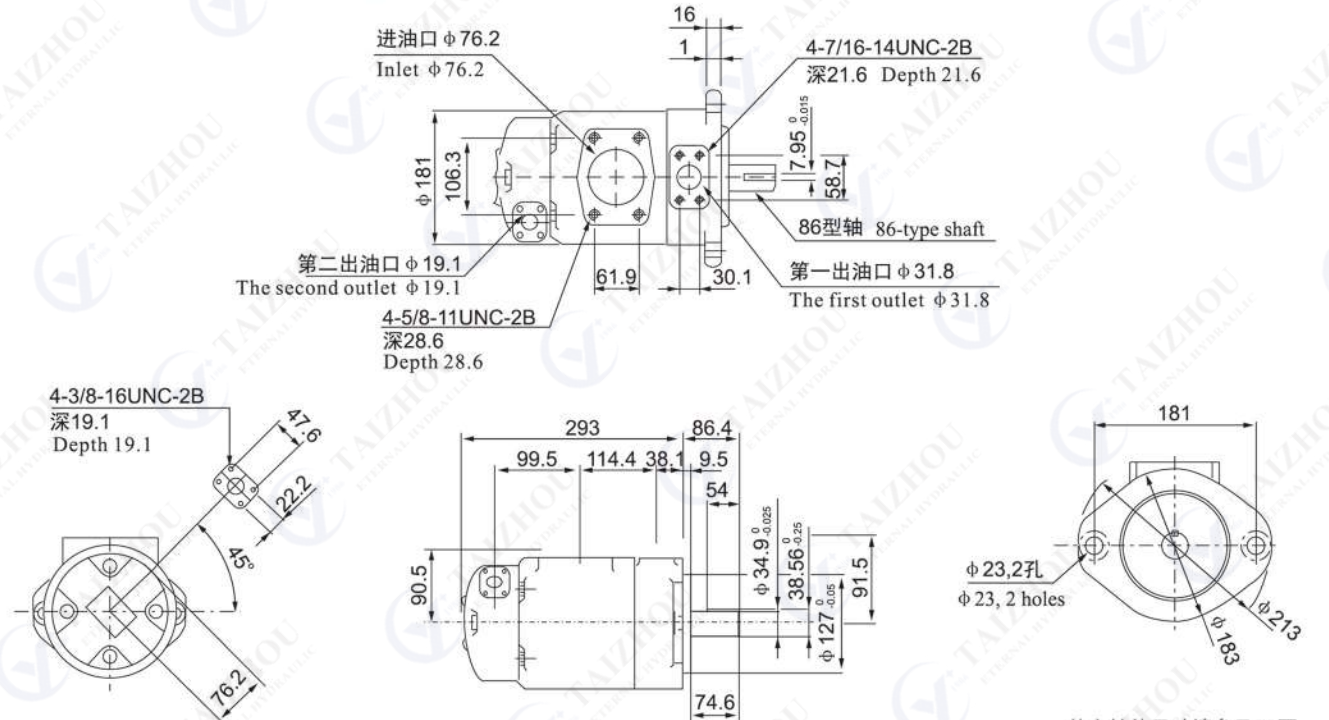
■ 安装连接尺寸 Installation Size

SQP21法兰安装型 SQP21 Flange mounting



其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

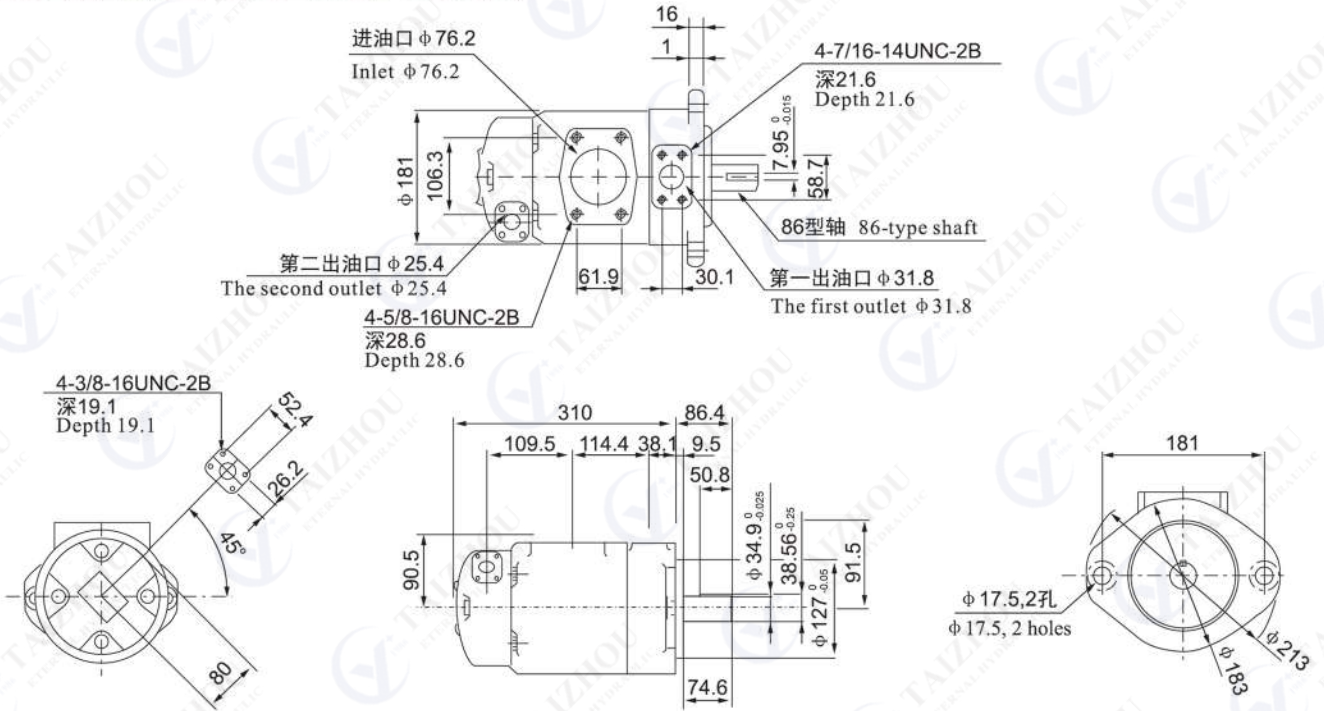
SQP31 法兰安装型 SQP31 Flange mounting



其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

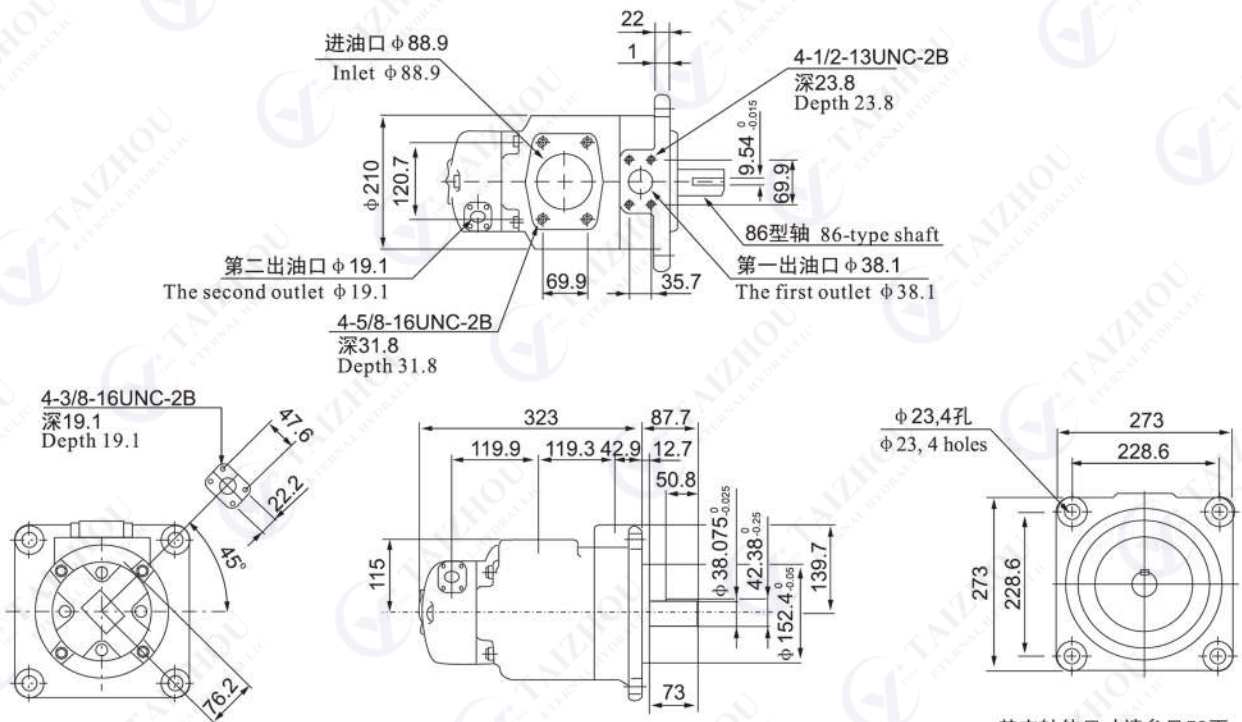
■ 安装连接尺寸 Installation Size

SQP32法兰安装型 SQP32 Flange mounting



其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

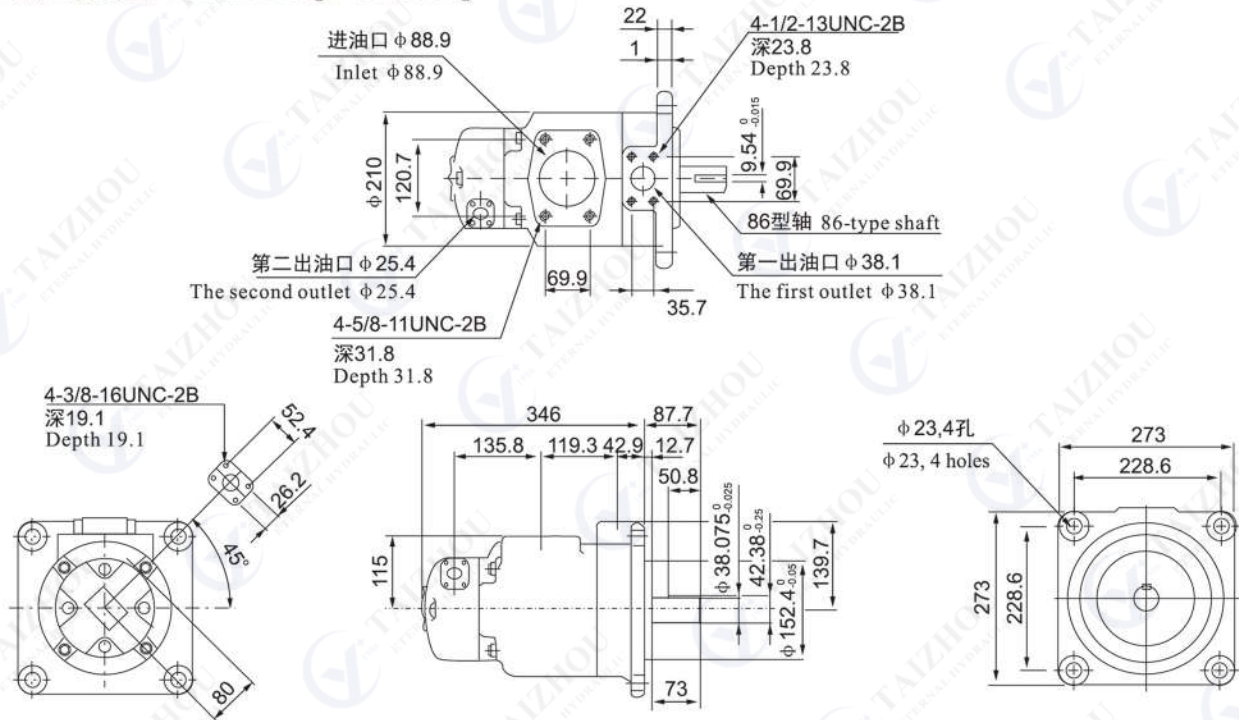
SQP41 法兰安装型 SQP41 Flange mounting



其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

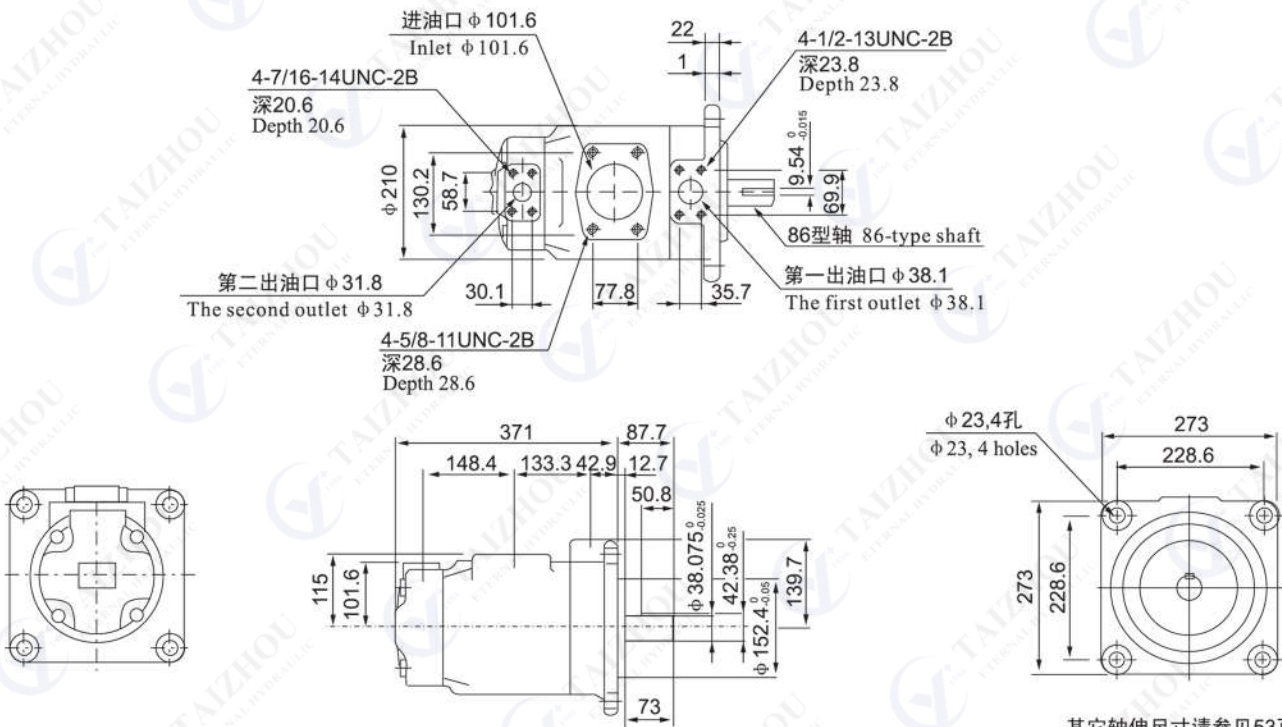
■ 安装连接尺寸 Installation Size

SQP42法兰安装型 SQP42 Flange mounting



其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

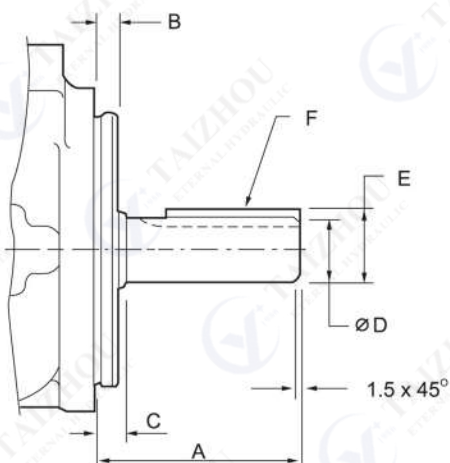
SQP43 法兰安装型 SQP43 Flange mounting



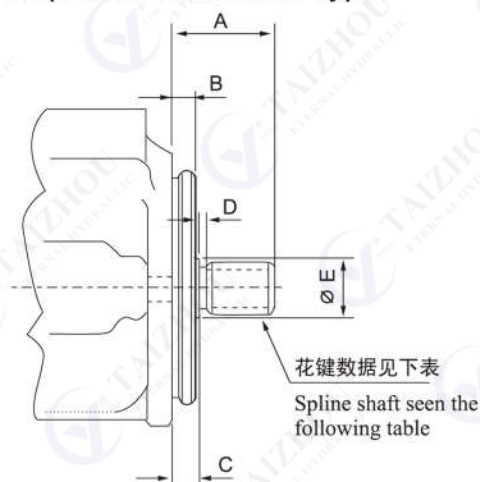
其它轴伸尺寸请参见53页
Please refer to shaft extension sizes in page 53 for rest sizes

■ V/VQ/SQP系列叶片泵可选轴伸形式 V/VQ/SQP Series Vane Pump Shaft Extension Type

平键直轴
Straight shaft



花键轴
Spline shaft



平键直轴 Straight shaft with key

型号 Models			轴伸代号 Shaft code	A	B	C	D	E	F键宽×长 F key width × length
V	VQ	SQP							
20V	20VQ	SQP1	1	59	9.53	12.1	22.23/22.20	24.5/24.4	4.76×32
25V	25VQ	SQP2	1	59	9.53	11.1	22.23/22.20	24.5/24.4	4.76×32
2520V	2520VQ	SQP21	86	78	9.53	11.1	25.37/25.35	28.3/28.1	6.36×50.8
35V	35VQ	SQP3	1	73.2	9.53	11.1	31.75/31.70	35.36/34.10	7.94×38.1
352*V	352*VQ	SQP3*	86	86	9.53	11.1	34.90/34.67	38.6/38.3	7.94×54
45V	45VQ	SQP4	1	62	12.7	14.22	31.75/31.70	35.36/34.10	7.94×28.5
45**V	45**VQ	SQP4*	86	87.4	12.7	14.22	38.07/38.05	42.4/42.1	9.54×50.8

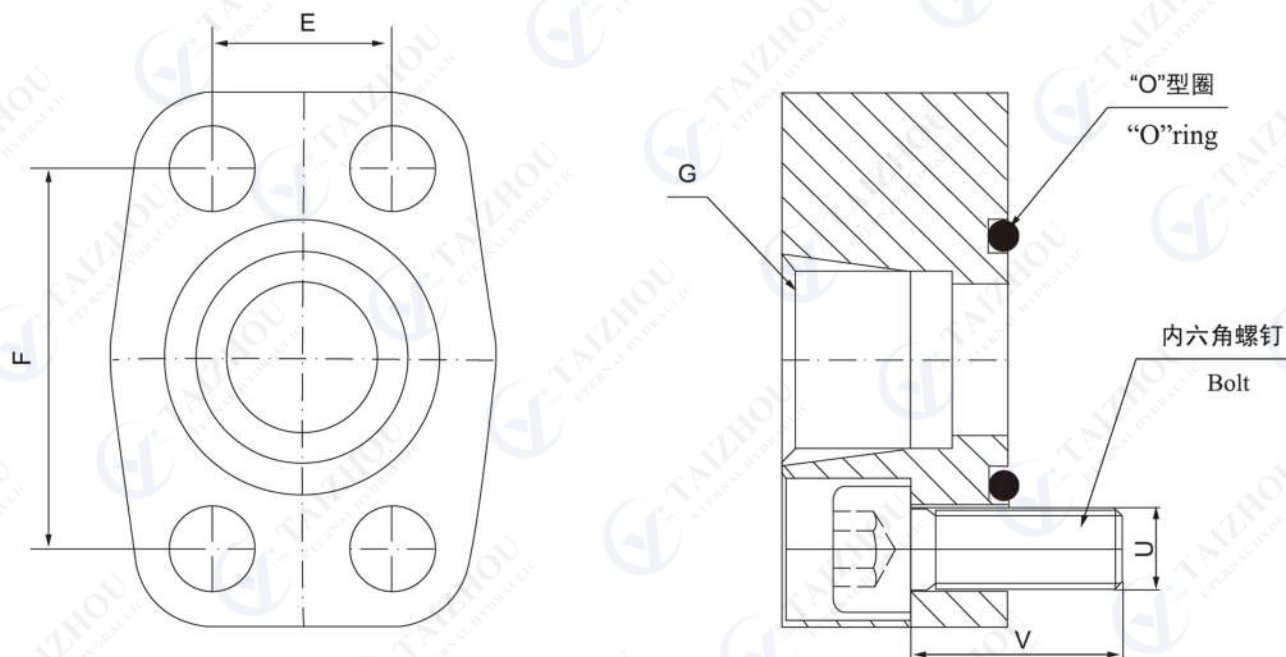
花键轴 Spline shaft

型号 Models		轴伸代号 Shaft code	A	B	C	D	E	花键数据 (见下表) Spline data (see the following table)
V	VQ							
20V	20VQ	151	41.1	9.53	11.1	3.9	27.8	A
25V	25VQ	11	44.5	9.53	11.1	3.9	27.8	A
2520V	2520VQ							
35V	35VQ	11	58.7	9.53	11.1	6.35	35.1	C
352*V	352*VQ							
45V	45VQ	11	61.9	12.7	14.3	9.7	39.6	C
45**V	45**VQ							

花键数据表 (渐开线花键) Spline data (Involute spline)

花键数据标记 Spline data tags	齿数 Teeth No	径节 Diametral pitches	大径 Major diameters	成形直径 Forming diameters	小径 Minor diameters	平齿根配合 Match with flat teeth
A	13	16/32	22.17 22.15	19.03	18.63 18.35	大径配合 Match with major diameter
C	14	12/24	31.7 31.67	27.2	26.99 26.64	大径配合 Match with major diameter

■ VVQ 泵配用法兰连接尺寸 VVQ Flange Installation Size



配泵型号 Models	尺寸 Dimension (mm)			内六角螺钉 Bolt		“O”型圈 (内径×线径) “O”ring
	E	F	G	U	V (mm)	
20V (VQ) 出油口Outlet	22.22	47.6	3/4	3/8-16UNC	30	28×3.55
25V (VQ) 出油口Outlet	26.2	52.4	1	3/8-16UNC	30	34.5×3.55
35V (VQ) 出油口Outlet	30.2	58.7	1 1/4	7/16-14UNC	35	40×3.55
45V (VQ) 出油口Outlet 20V (VQ), 25V (VQ) 出油口Outlet	35.7	69.9	1 1/2	1/2-13UNC	40	50×3.55
35V (VQ) 进油口inlet	42.9	77.8	2	1/2-13UNC	40	63.09×3.55
45V (VQ) 3520V (VQ), 3525V (VQ) 出油口Outlet	62	106.4	3	5/8-11UNC	45	82.5×3.55
2520V (VQ) 进油口inlet	50.8	88.9	2 1/2	1/2-13UNC	45	71×3.55
4520 (4525) V (VQ) 进油口inlet	69.9	120.6	3 1/2	5/8-11UNC	50	100×3.55
4535V (VQ) 进油口inlet	77.8	130.2	4	5/8-11UNC	50	115×3.55



○ 产品简介/Production Introduction

本系列泵是专为低噪声工况而开发的高压高性能叶片泵，产品所有连接尺寸和内部配件均可与原装油研互换，具有结构合理、性能先进、效率高、噪声低、脉动小、可靠性好等特点，广泛应用于工程机械、矿山机械、橡塑机械、鞋革机械、压铸机械、金属切削机床及各类液压系统中。

PV2R Yuken type vane pump are developed basic on the original Yuken vane pump, the all connecting dimension and spare parts can be interchanged with original Yuken, with advanced structure and performance, higher efficiency, lower noise and ripple, longer life etc, are widely used in Construction Machinery, Mining Machinery, Rubber&Plastic machinery, Shoe Machinery, Die Casting Machinery, Metallurgical Machinery, Metal Cutting Machinery and all types hydraulic systems.

■ PV2R系列单泵 PV2R Series Single Pump

PV2R1	31	- F	-1	-R	A
系列号 Series No	公称排量 Displacement (ml/r)	安装形式 Mounting Type	轴伸形式 Shaft Extention	旋转方向 Rotation	出油口位置 Outlet Position
PV2R1	6,8,10,12,14,17 19,23,25,28,31	F:法兰安装 F:Flange Mounting	1: 大轴标准 1: Standard 2: 小轴 2: Minor Shaft 3: 特殊轴 3: Special Shaft	从轴端看(Viewed from Shaft end) 进油口朝上(Inlet port A is set as upper.)	
PV2R2	26,33,41,47,53,59 65,75			R: 正转 (标准) L: 反转	A-上方 (标准) B-下方 R-右方 L-左方
PV2R3	52,60,66,76,85,94 116,125,136,153			R: Right(Standard) L: Left	A: Upper(Standard) B: Bottom R: Right L: Left
PV2R4	136,153,184,200,237				

■ PV2R系列双泵 PV2R Series Double Pump

PV2R23	-59	-125	-F	-1	-R	E	A
系列号 Series No	公称排量 Displacement (ml/r)		安装形式 Mounting Type	轴伸形式 Shaft Extention	旋转方向 Rotation	出油口位置 Outlet Position	
	盖端泵 Cover end pump	轴端泵 Shaft end pump				从轴端看(Viewed from Shaft end) 进油口朝上(Inlet port A is set as upper.)	
PV2R12	6,8,10,12,14,17, 19,23,25,28,31	26,33,41,47,53, 59,65,75	F: 法兰 安装	1: 大轴标准 1: Standard	R:正转 (标准) R: Right (Standard)	盖端泵 Cover end pump	轴端泵 Shaft end pump
PV2R13	6,8,10,12,14,17, 19,23,25,28,31	52,60,66,76,85, 94,116,125,136, 153	F: Flange Mounting	2: 小轴 2: Minor Shaft	L: Left L: 反转		
PV2R23	26,33,41,47,53, 59,65,75	52,60,66,76,85, 94,116,125,136, 153					

■ 技术参数 Technical Data

产品型号 Model	理论排量 Displacement (mL/r)	最高压力Max.Pressure(MPa)			允许转速Speed (r/min)		质量 Weight (kg)
		高压用特定油 Special Oil	抗磨液压油 Antiwear Oil	普通液压油 Common Oil	最低Min.	最高Max.	
PV2R1-6	5.8	21	17.5	16	750	1800 (1200)	9
PV2R1-8	8.0						
PV2R1-10	9.4						
PV2R1-12	12.2						
PV2R1-14	13.7						
PV2R1-17	16.6						
PV2R1-19	18.6						
PV2R1-23	22.7						
PV2R1-25	25.3						
PV2R1-28	28.1						
PV2R1-31	31.0						
PV2R2-26	26.6	21	17.5	14	600	1800 (1200)	18.5
PV2R2-33	33.3						
PV2R2-41	41.3						
PV2R2-47	47.2						
PV2R2-53	52.5						
PV2R2-59	58.2						
PV2R2-65	64.7						
PV2R2-75*	74.6						
PV2R3-52	52.2	21	17.5	14	600	1800 (1200)	31
PV2R3-60	59.6						
PV2R3-66	66.3						
PV2R3-76	76.4						
PV2R3-85	85						
PV2R3-94	93.6						
PV2R3-116	115.6						
PV2R3-125	122.2	17.5	16			1200	32
PV2R3-136	136						#34
PV2R3-153	153						
PV2R4-136	136.0	17.5	17.5	14	600	1800	75
PV2R4-153	153.0						
PV2R4-184	184.0						
PV2R4-200	201.0						
PV2R4-237	237.0						

注：

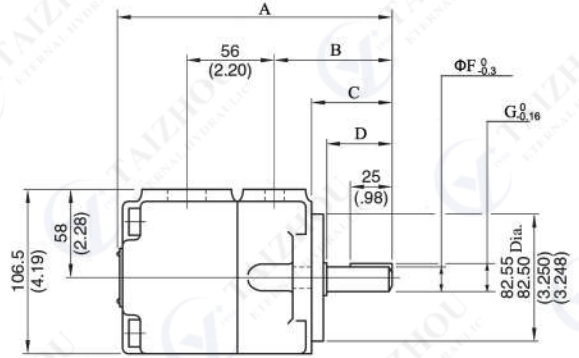
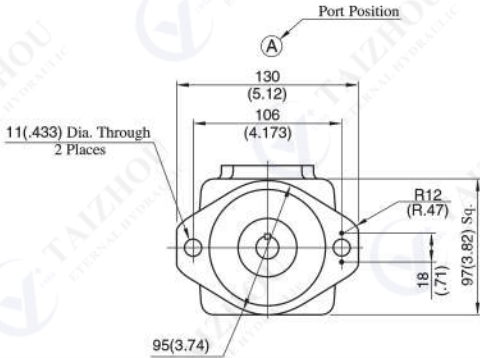
- 1.公称排量“6”、“8”泵，压力超过16Mpa使用时，转速不低于1450r/min.
- 2.对于严格要求低噪声的场合，建议工作转速在100r/min，最高工作压力在12-14Mpa.
- 3.有*处为PV2R2/3-W组拓展规格，有#处为PV2R3-W组泵体加长10mm，安装尺寸相同，接受特殊订货.
- 4.驱动功率近似计算：泵的排量(ml/r)X电机转速(r/min)X工作压力(Mpa)/49000，计算结果单位为KW.

Notes:

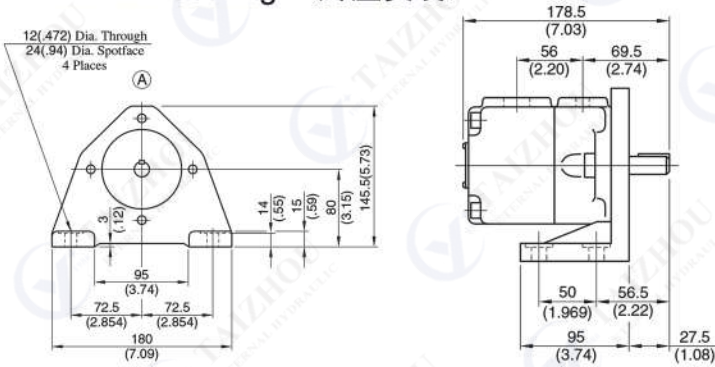
1. Regarding the pumps with 6ml/r and 8ml/r displacement, the speed should be less than 1450r/min if the working pressure is over 16 Mpa.
2. The pumps are recommended to work with 1000r/min if the condition requires lower noise.
3. The pump with the mark * belong to the extension specification of PV2R2-W group, the mark # belong to the extension specification of PV2R3-W group, with 10mm longer body, same connecting dimension for special order.
4. The formula of driving power pump: Displacement(ml/r) X Electric motor' s speed (r/min) X Working Pressure (Mpa) / 49000, Unit is KW.

PV2R1- Flange Mtg. (法兰安装)

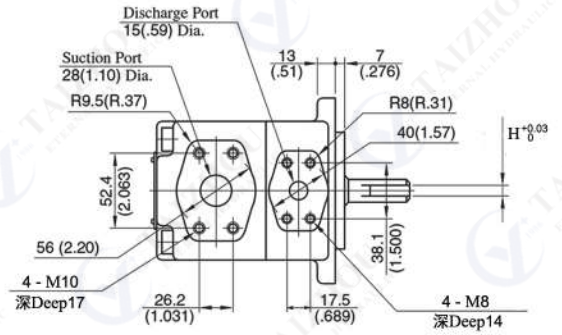
轴伸形式 Shaft extension form	A	B	C	D	F	G	H
1	178.5	69.5	44.5	36	19.05	21.24	4.76
2	184	75	50	41	15.88	17.68	3.97



PV2R1- Foot Mtg. (脚座安装)



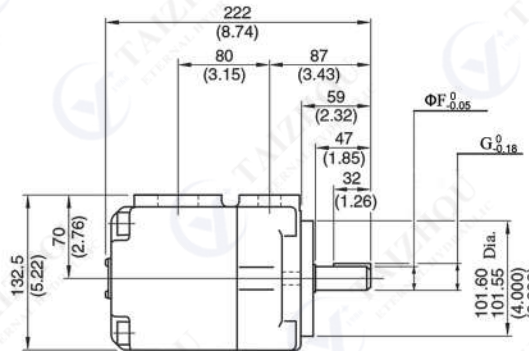
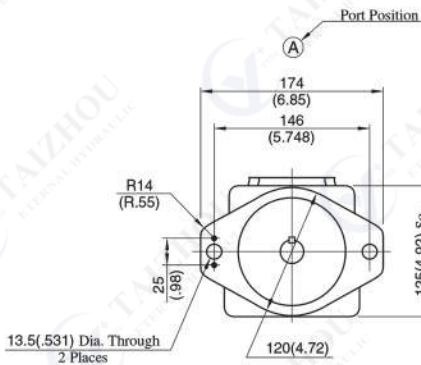
For other dimensions, refer to "Flange Mtg.".



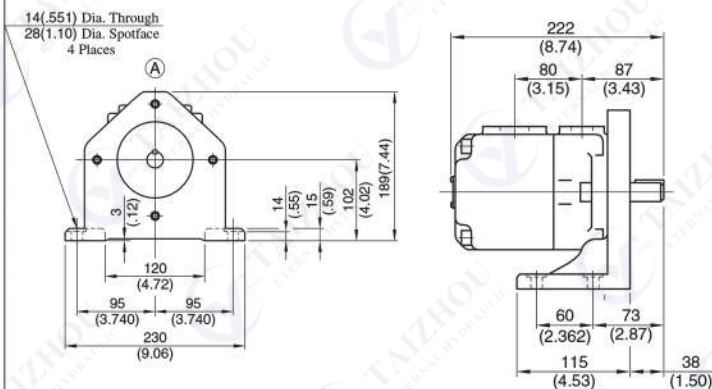
DIMENSIONS IN MILLIMETRES (INCHES)

PV2R2- Flange Mtg. (法兰安装)

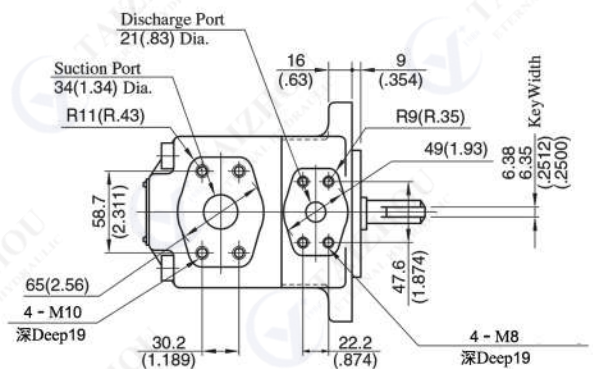
轴伸形式 Shaft extension form	F	G
1	25.4	28.18
2	22.23	25.01



PV2R2- Foot Mtg. (脚座安装)

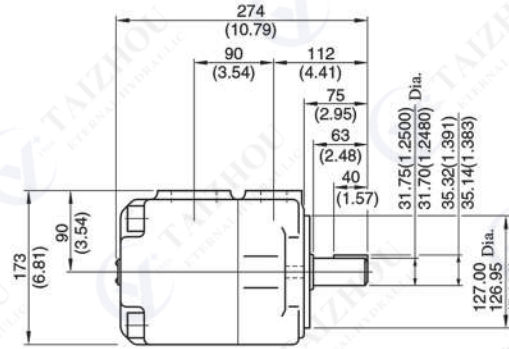
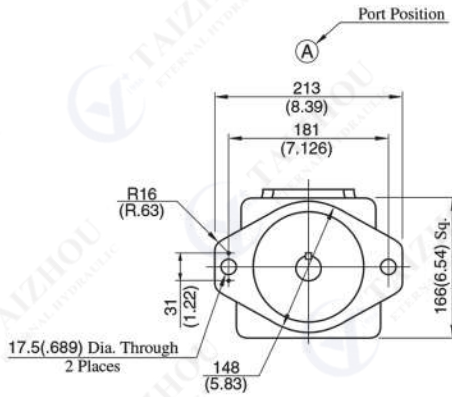


For other dimensions, refer to "Flange Mtg.".

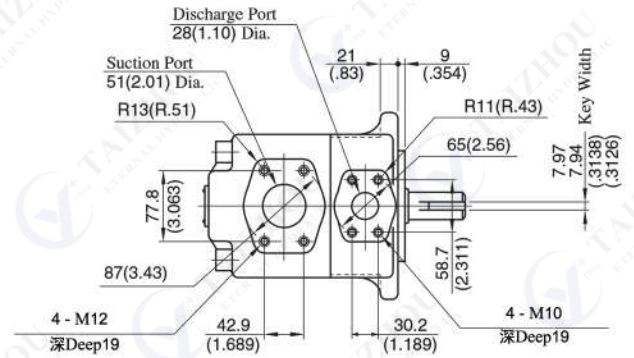
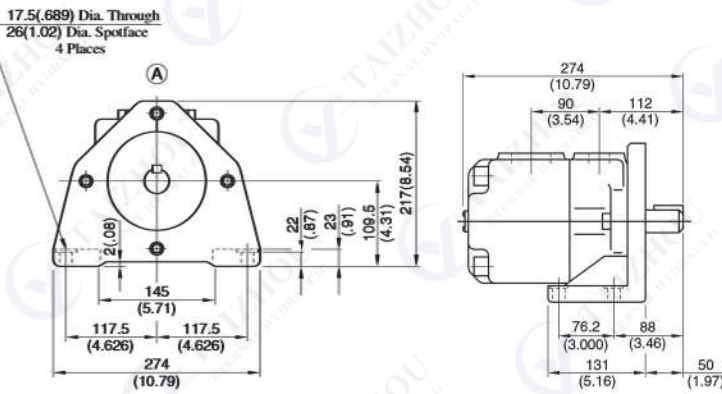


DIMENSIONS IN MILLIMETRES (INCHES)

PV2R3- Flange Mtg. (法兰安装)



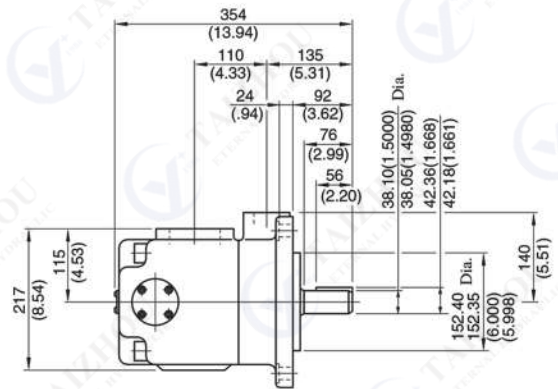
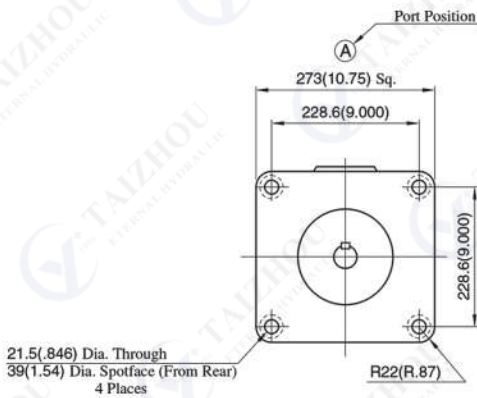
PV2R3- Foot Mtg. (脚座安装)



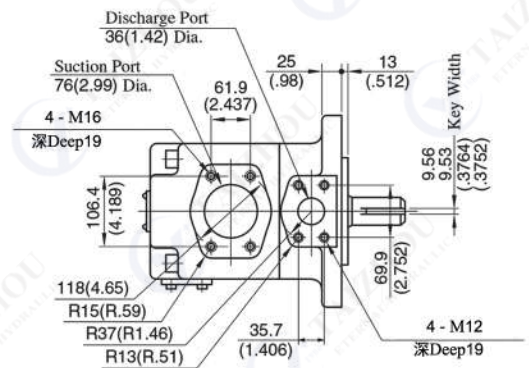
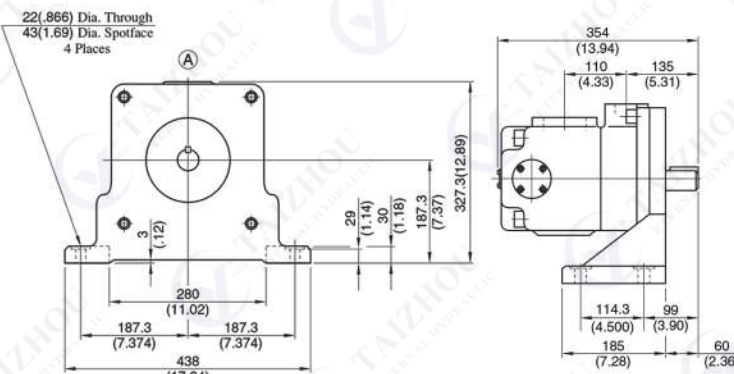
For other dimensions, refer to "Flange Mtg."

DIMENSIONS IN MILLIMETRES (INCHES)

PV2R4- Flange Mtg. (法兰安装)



PV2R4- Foot Mtg. (脚座安装)

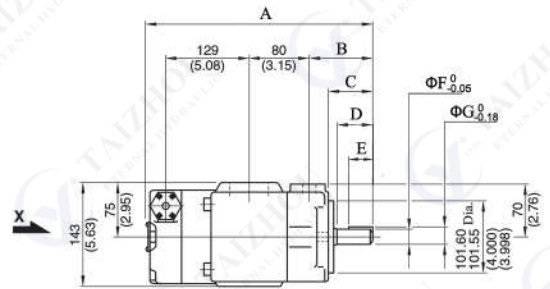
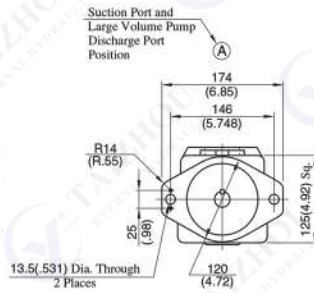
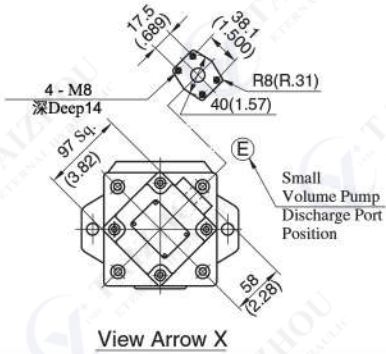


For other dimensions, refer to "Flange Mtg."

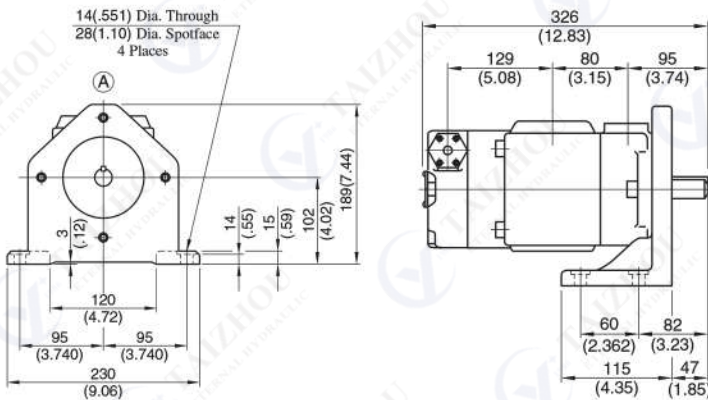
DIMENSIONS IN MILLIMETRES (INCHES)

PV2R12- Flange Mtg. (法兰安装)

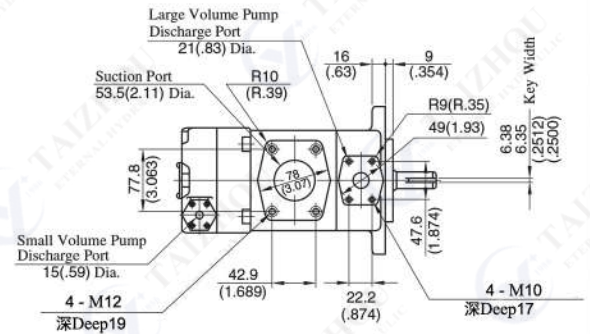
轴伸形式 Shaft extension form	A	B	C	D	F	G	H
1	326	95	67	55	40	25.4	28.18
2	348	87	59	47	32	22.23	25.01



PV2R12- Foot Mtg. (脚座安装)

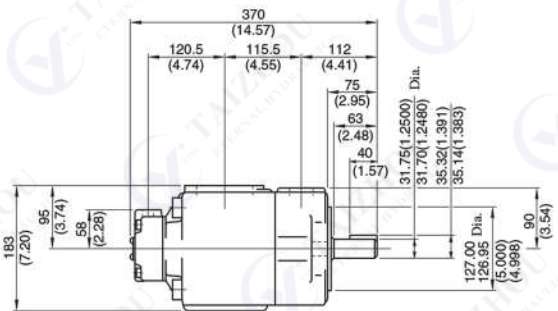
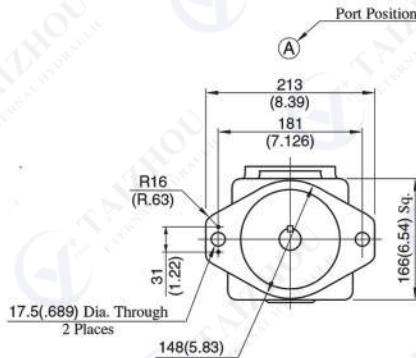


For other dimensions, refer to "Flange Mtg."

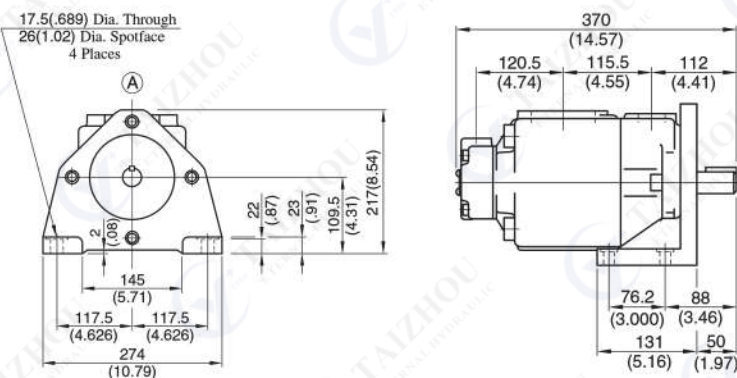


DIMENSIONS IN MILLIMETRES (INCHES)

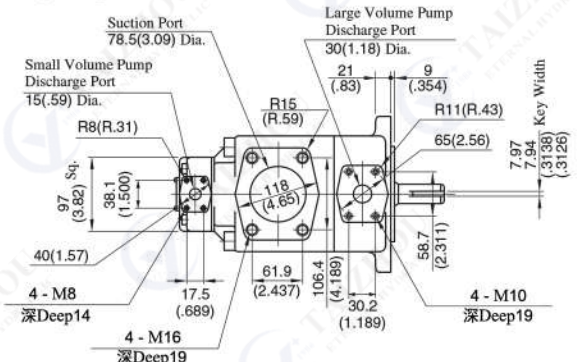
PV2R13- Flange Mtg. (法兰安装)



PV2R13- Foot Mtg. (脚座安装)

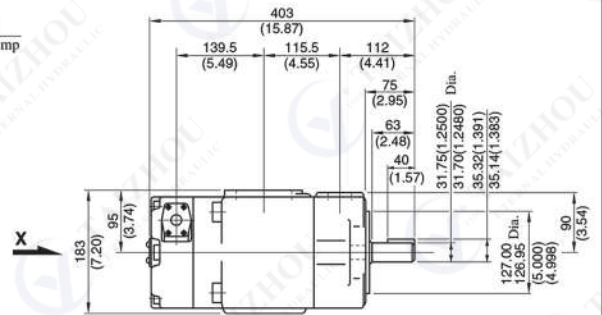
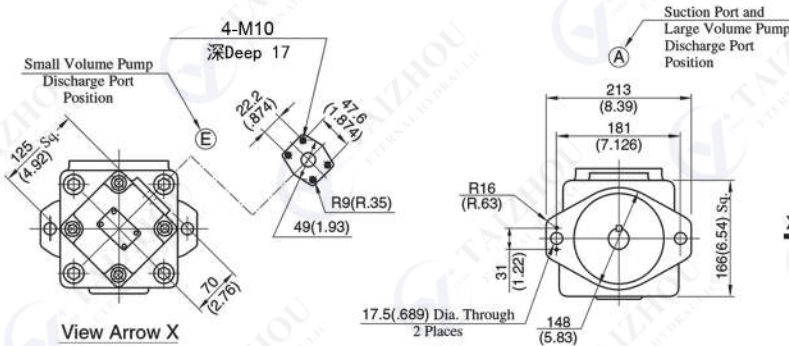


For other dimensions, refer to "Flange Mtg."

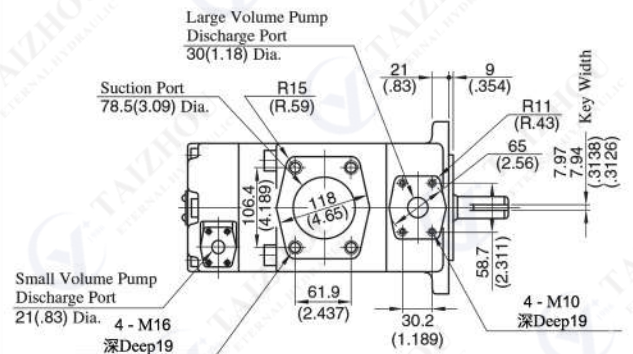
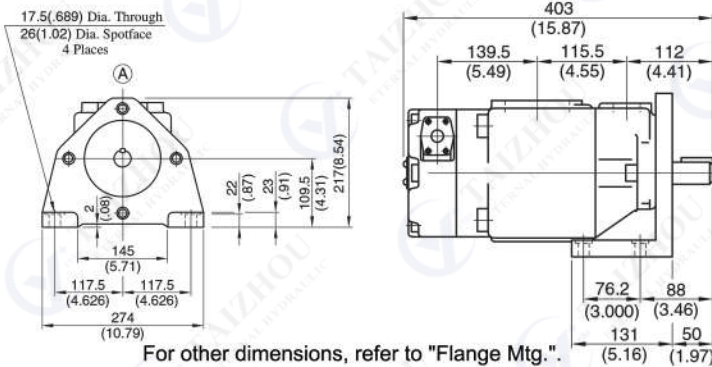


DIMENSIONS IN MILLIMETRES (INCHES)

PV2R23- Flange Mtg. (法兰安装)

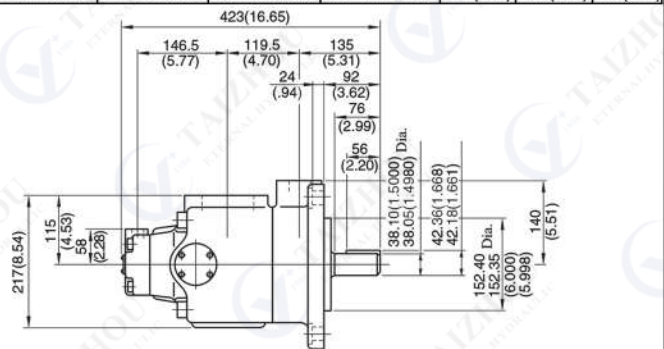
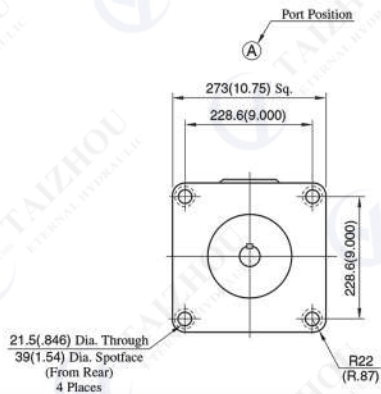


PV2R23- Foot Mtg. (脚座安装)

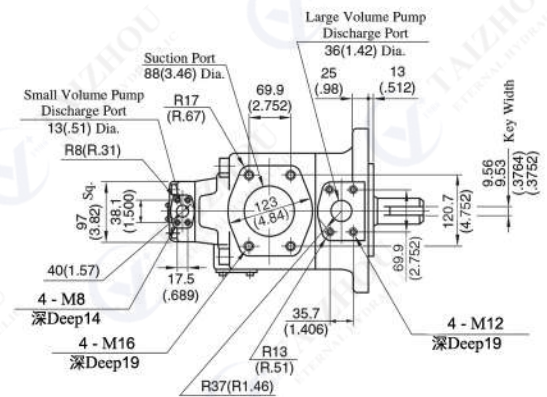
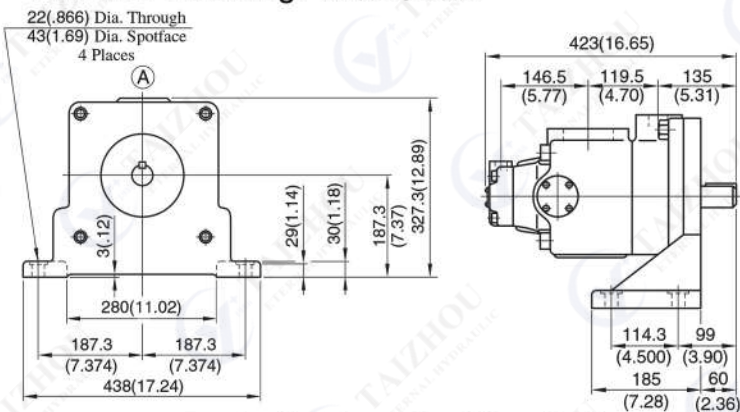


DIMENSIONS IN MILLIMETRES (INCHES)

PV2R14- Flange Mtg. (法兰安装)



PV2R14- Foot Mtg. (脚座安装)

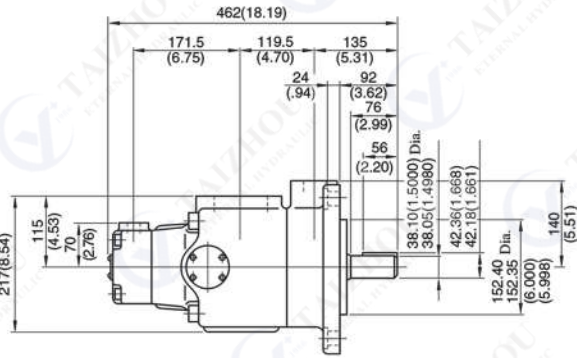
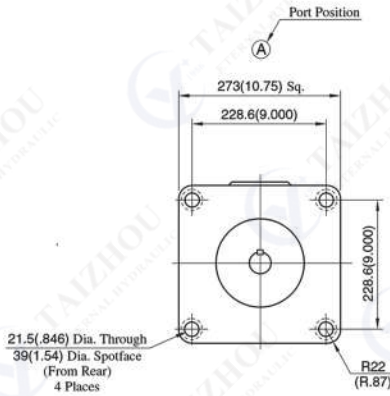


DIMENSIONS IN MILLIMETRES (INCHES)

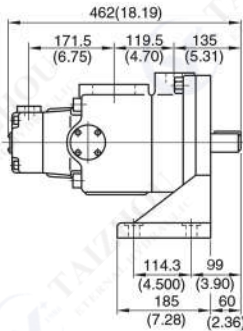
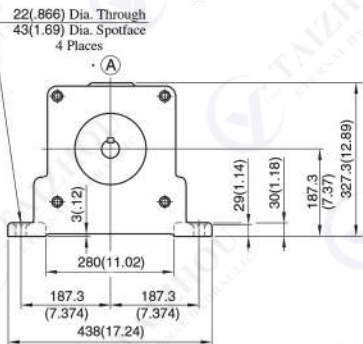
Model Numbers	" C " Thd.	" D " Thd.	" E " Thd.	Dimensions mm(Inches)		
				F	H	J
PV2R14- * - * -F-RAAA-32	M16	M12	M8	19 (.75)	19 (.75)	14 (.55)
PV2R14- * - * -F-RAAA-3290	5/8-11 UNC	1/2-13 UNC	5/16-18 UNC	21 (.83)	21 (.83)	16 (.63)

For other dimensions, refer to "Flange Mtg.".

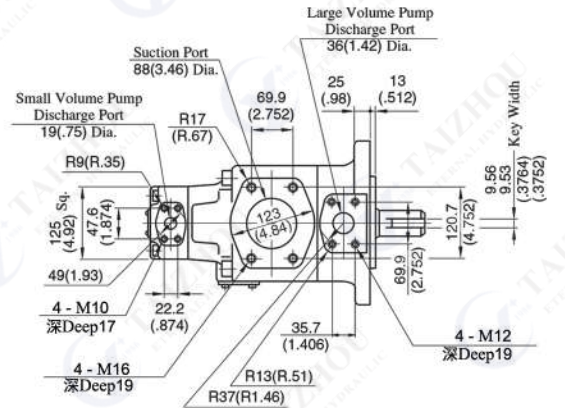
PV2R24- Flange Mtg. (法兰安装)



PV2R24- Foot Mtg. (脚座安装)

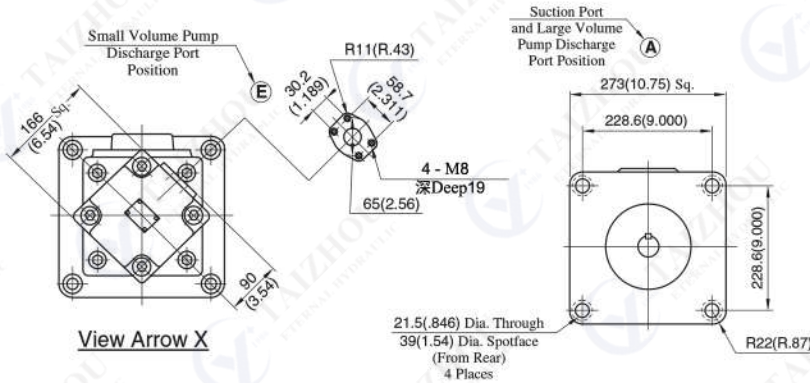


For other dimensions, refer to "Flange Mtg."

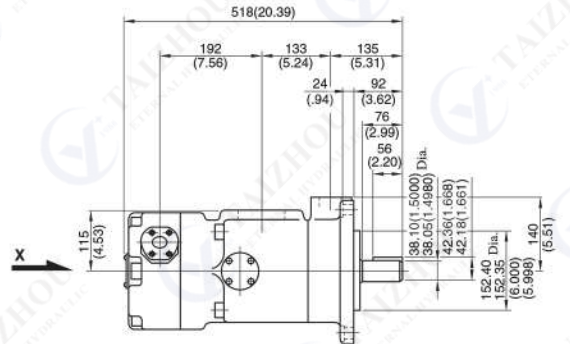


DIMENSIONS IN MILLIMETRES (INCHES)

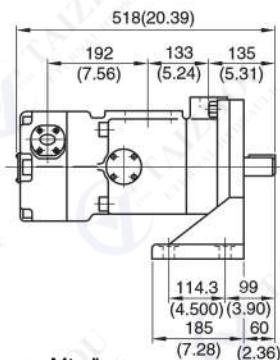
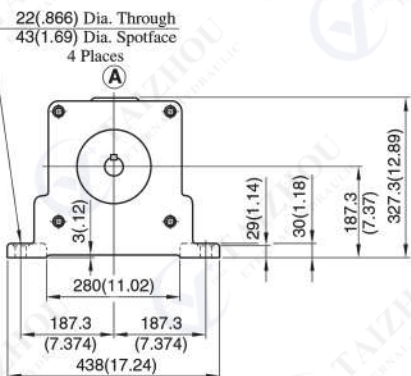
PV2R34- Flange Mtg. (法兰安装)



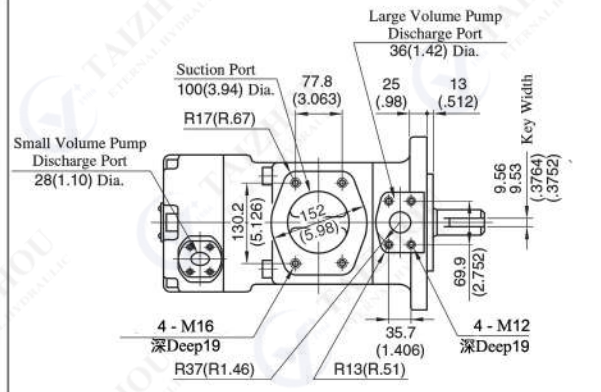
View Arrow X



PV2R34- Foot Mtg. (脚座安装)



For other dimensions, refer to "Flange Mtg."

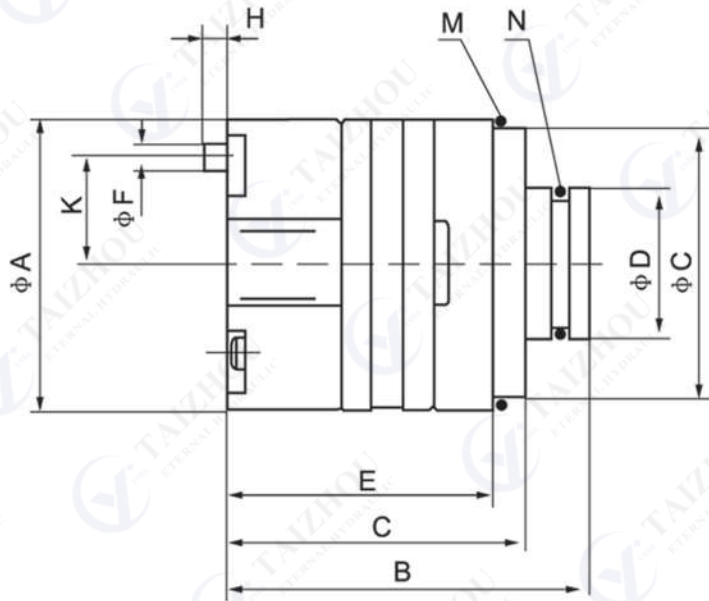


DIMENSIONS IN MILLIMETRES (INCHES)

■ PV2R系列泵芯 PV2R Series Cartridge Kit

PC- 泵芯标记 Cartridge kit mark	PV2R 系列号 Model	-23 公称排量 Displacement code(ml/r)	-R 油泵旋向 Rotation
PC:单泵泵芯 & 双联泵前泵芯 PC: Single pump kit & Double pump Front kit PCT: 双联泵后泵芯 Double pump Rear kit	PV2R1	6, 8, 10, 12, 14, 17, 19, 23, 25, 28, 31	(从轴端看) (Viewed from the shaft end) R-顺时针 R-Right rotation L-逆时针 L-Left rotation
	PV2R2	26, 33, 41, 47, 53, 59, 65, 75	
	PV2R3	52, 60, 66, 76, 85, 94, 116, 125, 136, 153	
	PV2R4	136, 153, 184, 200, 237	

■ 安装连接尺寸 Installation Size

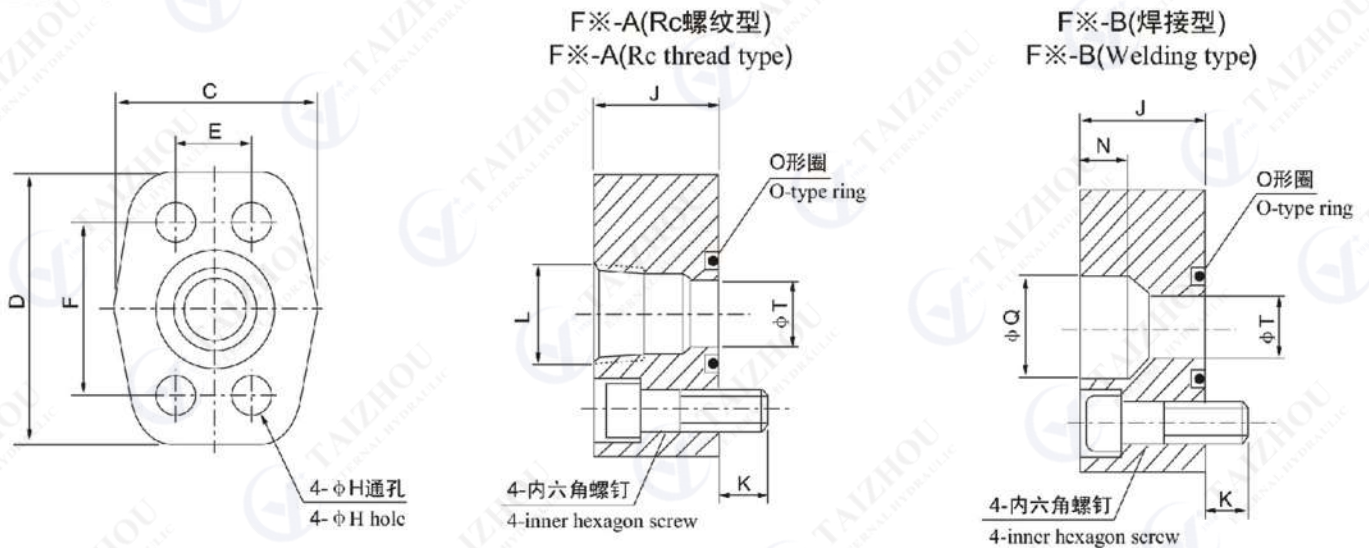


系列号 Models	A	B	C	D	E	F	G	H	K	M	N
PV2R1	68	84	70	35	62	6	62.7	5	R25	59.4×3.1	29.4×3.1
PV2R2	90	109	93	52	82	6	84.7	5	R36	84.4×3.1	45.7×3.5
PV2R3	120.5	127.5	106	72	94	8	115	8	R48	114.4×3.1	65.0×3.5

系列号 Models	转子内花键齿廓参数 Spline teeth No. in rotor					
	模数 Modulus	齿数 No. of teeth	标准压力角 Standard angle	大径 Major diameter	小径 Minor diameter	(节径圆)弧齿槽宽 Space width
PV2R1	0.75	24	45°	19.050	17.550	1.328
PV2R2	1.0	24	45°	25.400	23.400	1.771
PV2R3	1.0	28	45°	29.400	27.400	1.771

■ 法兰连接组件 Flange Part

安装连接尺寸 Installation sizes



法兰型号 Flange models	对应管子规格 Corresponding pipes specifications	尺寸 mm Sizes mm										O型圈 O-type ring GB34521-82	内六角螺钉 inner hexagon screw	螺钉拧紧力矩 Tightening torque of screw N·m	对应油泵接口 Corresponding pumps connector	
		C	D	E	F	H	J	K	L	N	Q					T
F04 A	1/2"	43	59.0	17.5	38.1	9.0	28.0	11	1/2"	—	—	13	21.2x2.65	M8x30	35	PV 2R1出口 PV 2R12、PV 2R13 盖端泵出口 PV 2R1 port PV 2R12、PV 2R13 cover end pump port
F04-B									—	11	22.5					
F06-A	3/4"	53.2	71.6	22.2	47.6	11.2	30.0	11	3/4"	—	—	19	30x3.55	M10x30	68.5	PV 2R2、PV 2R12 轴端泵出口 PV 2R23盖端泵出口 PV 2R2、PV 2R12 shaft end pump port PV 2R23 cover end pump port
F06-B									—	12	28.5					
F08-A	1"	58.0	76.4	26.2	52.4	11.2	30.0	16	1"	—	—	26	34.5x3.55	M10x35	68.5	PV 2R1吸入口 PV 2R1 inlet
F08-B									—	14	34.5					
F10-A	1-1/4"	57.7	84.7	30.2	58.7	12.0	40.0	16	1-1/4"	—	—	32	40x3.55	M10x45	68.5	PV 2R2吸入口 PV 2R3出口、PV 2R13 PV 2R23轴端泵出口 PV 2R2 inlet PV 2R3 port, PV 2R13, PV 2R23 shaft end pump port
F10-B									—	16	43.0					
F12-A	1-1/2"	70.0	96.0	35.7	69.9	13.8	40.0	18	1-1/2"	—	—	38	50x3.55	—	118	—
F12-B									—	18	49.1					
F16-A	2"	87.0	105.0	42.9	77.8	13.8	40.0	18	2"	—	—	51	65x3.55	M12x45	118	PV 2R3、PV 2R12 吸入口 PV 2R3、PV 2R12 inlet
F16-B									—	20	61.0					
F20-A	2-1/2"	96.0	116.0	50.8	88.9	13.8	45.0	18	2-1/2"	—	—	63	75x3.55	—	118	—
F20-B									—	22	77.1					
F24-A	3"	121.0	141.4	61.9	106.4	17.0	45.0	17	3"	—	—	76	85x3.55	M16x45	287	PV 2R13、PV 2R23 吸入口 PV 2R13、PV 2R23 inlet
F24-B									—	25	90.0					
F28-A	3-1/2"	136.0	155.0	69.9	120.7	17.0	50.0	17	3-1/2"	—	—	89	100x3.5	M16x40 M16x50	287	—
F28-B									—	28	102.8					
F32-A	4"	145.0	162.0	77.8	130.2	17.0	50.0	17	4"	—	—	102	115x3.5	M16x40 M16x50	287	—
F32-B									—	28	115.5					

T6, T7 系列柱销式叶片泵 Series pin Vane Pumps

适用于塑胶机械、压铸机械、冶金机械、炼油机械、压力机械、工程机械及船舶机械等的高压高性能柱销式叶片泵。

High pressure and high performance dowel pin type vane pumps are widely used for plastic machinery, casting machinery, metallurgy machinery, pressing machinery, refining machinery, construction machinery, marine-Machinery.

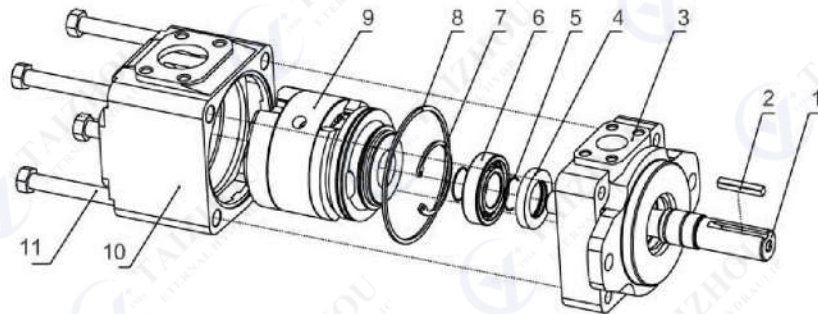
主要特点为:

1. 采用柱销式叶片结构，其工作压力更高，噪声更低，寿命更长。
2. 适应液压介质的粘度范围大，能在低温下启动和高温下运行。
3. 采用双唇结构的叶片，抗污染能力强，转速范围宽。

Features

1. With dowel pin vane structure, it can work in high pressure, low noise and long lifetime.
2. This vane pump can fit wide viscosity hydraulic medium, and be started at low temperature and work at high temperature.
3. As the vane pump adopts bilabial structure vane, it has high oil pollution resistance and wide speed scope.

T6, T7 系列单泵 Series single pumps



序号 NO.	名称 Part	数量 Qty
1	轴 shaft	1
2	平键 straight key	1
3	前盖 front cover	1
4	油封 shaft seal	1

序号 NO.	名称 Part	数量 Qty
5	轴用钢丝挡圈 cir clip for shaft	2
6	滚动轴承 ball bearing	1
7	孔用弹性挡圈 cir clip for hole	1
8	矩形密封圈 rectangle seal ring	1

序号 NO.	名称 Part	数量 Qty
9	泵芯 cartridge kit	1
10	后盖 rear cover	1
11	外六角头螺栓 Hexagon head bolt	4

型号说明/Model Designation

T7B	S	-B10	-1	R	00	-A	1	01
系列号 Series	类别代号 Type Code	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	出口位置 Outlet positions	设计号 Design number	密封等级 Sealing Level	油口尺寸 Port dimensions
T7B	无 No: ISO 3019 安装法兰 Installation Flange	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	见轴伸尺寸 See of shaft	(从泵的轴端看) (Viewed from shaft end of pump) R-顺时针旋转 right hand for clockwise L-逆时针旋转 left hand for counter- clockwise	(从泵的轴端看) (Viewed from shaft end of pump) 00-进油口对面 Opposite inlet port 01-进油口同侧 Inline with inlet 02-从进油口逆时针90° 90° CCW from inlet 03-从进油口顺时针90° 90° CW from inlet	A	1-S1, 丁腈橡胶 NBR Nitrile rubber	00、01, 见安装 连接尺寸 See installation dimensions
T7D	S: SAE J744 安装法兰 installation flange	B14, B17, B20, B22, B24, B28, B31, B35, B38, B42						无此选项
T7E		042, 045, 050, 052, 054, 057, 062, 066, 072, 085						
T6C	无: 工业用型 M: 车用型 P: 双重油封 车用型	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31					5-S5, 氟橡胶 Fluororubber	无此选项
T6D	NO: industrial type M: truck type P: truck type double seal kits	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061						
T6E		042, 045, 050, 052, 057, 062, 066, 072, 085						

003/B03

排量代号中0表示单转向型配流侧板结构，B表示双转向型配流侧板结构

In displacement code, 0 means single steering valve plate structure, B means the two steering valve plate structure.

技术参数/Technical Data

系列号 series	排量代号 Flow code (USgpm)	理论排量 Geometric displace- ment mL/r	最高压力/Max.pressure Mpa						最高转速/Max.speed r/min		最低转速 Min. speed r/min									
			抗磨液压油 Antiwear hydraulic oil		普通液压油和磷酸酯液 General hydraulic oil or phosphate ester fluid		水乙二醇和油包水乳化液 Water glycol fluid or water-oil emulsions		普通液压油和 抗磨液压油 General hydraulic oil or antiwear hydraulic oil	水乙二醇、磷酸酯 液和油包水乳化液 Water glycol fluid or phosphate ester fluid or water-oil emulsions										
			间歇	连续	间歇	连续	间歇	连续												
			Instant	Continuous	Instant	Continuous	Instant	Continuous												
T7B T7BS	B02	5.8	35	32	24	21	17.5	14	3600	1800	600									
	B03	9.8																		
	B04	12.8																		
	B05	15.9																		
	B06	19.8																		
	B07	22.5																		
	B08	24.9																		
	B10	31.8																		
	B12	41.0										30	27.5	24	21	17.5	14	3000	1800	600
B15	50.0	28	24																	
T7D T7DS	B14	44.0	30	25	24	21	17.5	14	3000	1800	600									
	B17	55.0																		
	B20	66.0																		
	B22	70.3																		
	B24	81.1																		
	B28	90.0																		
	B31	99.2																		
	B35	113.4										28	25	24	21	17.5	14	2800	1800	600
	B38	120.6																		
B42	137.5	26	23	24	21	17.5	14	2500	1800	600										
T7E T7ES	042	132.3	24	21	21	17.5	17.5	14	2200	1800	600									
	045	142.4																		
	050	158.5																		
	052	164.8																		
	054	171.0																		
	057	183.3																		
	062	196.7																		
	066	213.3																		
	072	227.1																		
085	268.7	9	7.5	7.5	7.5	7.5	7.5	2000	1800	600										

技术参数/Technical Data

系列号 series	排量代号 Flow code (USgpm)	理论排量 Geometric displacement mL/r	最高压力/Max.pressure Mpa						最高转速/Max.speed r/min		最低转速 Min. speed r/min
			抗磨液压油 Antiwear hydraulic oil		普通液压油和磷酸酯液 General hydraulic oil or phosphate ester fluid		水乙二醇和油包水乳化液 Water glycol fluid or water-oil emulsions		普通液压油和抗磨液压油 General hydraulic oil or antiwear hydraulic oil	水乙二醇、磷酸酯液和油包水乳化液 Water glycol fluid or phosphate ester fluid or water-oil emulsions	
			间歇	连续	间歇	连续	间歇	连续			
			Instant	Continuous	Instant	Continuous	Instant	Continuous			
T6C	003/B03	10.8									
	005/B05	17.2									
	006/B06	21.3									
	008/B08	26.4									
	010/B10	34.1									
	012/B12	37.1	28	24	21	17.5	17.5	14	2800	1800	600
	014/B14	46.0									
	017/B17	58.3									
	020/B20	63.8									
	022/B22	70.3									
	025/B25	79.3							2500		
	028/B28	88.8	21	16	21	16	17.5	14	2500	1800	600
	031/B31	100.0									
T6D	014/B14	47.6									
	017/B17	58.2									
	020/B20	66.0									
	024/B24	79.5									
	028/B28	89.7	25	21	21	17.5	17.5	14	2500	1800	600
	031/B31	98.3									
	035/B35	111.0									
	038/B38	120.3									
	042/B42	136.0							2200		
	045/B45	145.7							2200		
050/B50	158.0	21	16	21	16	17.5	14	2200	1800	600	
061	190.5	12	8	8	8	7.5	7.5				
T6E	042	132.3									
	045	142.4									
	050	158.5									
	052	164.8	25	21	21	17.5	17.5	14	2200	1800	600
	057	179.8									
	062	196.7									
	066	213.3									
	072	227.1									
085	269.0	12	8	12	8	7.5	7.5	2000	1800	600	

003/B03 排量代号中0表示单转向型配流侧板结构，B表示双转向型配流侧板结构
In displacement code, 0 means single steering valve plate structure, B means the two steering valve plate structure.

工作性能/Operation Performance

使用抗磨液压油，油液粘度24cst时。Using the anti-wear hydraulic oil, the oil viscosity 24cst.

系列 Series	理论排量 Geological Displaceme-nt mL/rev	转速 Rotation speed r/min	流量/Flow (L/min)							输入功率 /Input Power (KW)						
			P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=28 MPa	P=32 MPa	P=0.7 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=28 MPa	P=32 MPa
			L/min	L/min	L/min	L/min	L/min	L/min	L/min	KW	KW	KW	KW	KW	KW	KW
T7B(S)-B02	5.8	1000	5.8	4.9	4.2	3.3	-	-	-	0.2	0.9	1.7	2.5	-	-	-
		1200	7.0	6.1	5.4	4.5	4.0	-	-	0.4	1.3	2.2	3.2	3.6	-	-
		1500	8.7	7.8	7.1	6.2	5.7	5.2	4.7	0.6	1.7	2.8	4.0	4.5	5.2	5.9
		1800	10.4	9.5	8.8	7.9	7.4	6.9	6.4	0.7	2.0	3.4	5.0	5.6	6.4	7.2
T7B(S)-B03	9.8	1000	9.8	8.9	8.2	7.3	6.8	6.3	5.8	0.2	1.3	2.6	3.9	4.5	5.2	6.0
		1200	11.8	10.9	10.2	9.3	8.8	8.3	7.8	0.4	1.8	3.3	4.9	5.5	6.4	7.3
		1500	14.7	13.8	13.1	12.2	11.7	11.2	10.7	0.7	2.4	4.2	6.1	6.9	8.0	9.1
		1800	17.6	16.7	16.0	15.1	14.6	14.1	13.6	0.8	2.8	5.1	7.5	8.5	9.7	11.0
T7B(S)-B04	12.8	1000	12.8	11.9	11.2	10.3	9.8	9.3	8.8	0.2	1.7	3.3	5.0	5.7	6.6	7.6
		1200	15.4	14.5	13.8	12.9	12.4	11.9	11.4	0.5	2.2	4.2	6.1	6.9	8.1	9.2
		1500	19.2	18.3	17.6	16.7	16.2	15.7	15.2	0.7	2.9	5.3	7.7	8.7	10.1	11.5
		1800	23.0	22.1	21.4	20.5	20.0	19.5	19.0	0.9	3.4	6.4	9.4	10.6	12.3	13.9
T7B(S)-B05	15.9	1000	15.9	15.0	14.3	13.4	12.9	12.4	11.9	0.3	2.1	4.1	6.0	6.9	8.1	9.2
		1200	19.1	18.2	17.5	16.6	16.1	15.6	15.1	0.5	2.7	5.0	7.4	8.4	9.8	11.2
		1500	23.9	23.0	22.3	21.4	20.9	20.4	19.9	0.8	3.4	6.4	9.3	10.6	12.3	14.0
		1800	28.6	27.7	27.0	26.1	25.6	25.1	24.6	0.9	4.1	7.7	11.3	12.8	14.9	16.9
T7B(S)-B06	19.8	1000	19.8	18.9	18.2	17.3	16.8	16.3	15.8	0.3	2.5	5.0	7.4	8.5	9.9	11.3
		1200	23.8	22.9	22.2	21.3	20.8	20.3	19.8	0.6	3.2	6.1	9.1	10.3	12.0	13.7
		1500	29.7	28.8	28.1	27.2	26.7	26.2	25.7	0.8	4.1	7.7	11.4	12.9	15.0	17.1
		1800	35.6	34.7	34.0	33.1	32.6	32.1	31.6	1.0	4.9	9.3	13.8	15.7	18.1	20.6
T7B(S)-B07	22.5	1000	22.5	21.6	20.9	20.0	19.5	19.0	18.5	0.4	2.8	5.6	8.3	9.6	11.2	12.8
		1200	27.0	26.1	25.4	24.5	24.0	23.5	23.0	0.6	3.6	6.9	10.2	11.6	13.5	15.4
		1500	33.8	32.9	32.2	31.3	30.8	30.3	29.8	0.9	4.6	8.7	12.8	14.6	16.9	19.3
		1800	40.5	39.6	38.9	38.0	37.5	37.0	36.5	1.1	5.5	10.5	15.5	17.6	20.4	23.2
T7B(S)-B08	24.9	1000	24.9	24.0	23.3	22.4	21.9	21.4	20.9	0.4	3.1	6.2	9.2	10.5	12.3	14.0
		1200	29.9	29.0	28.3	27.4	26.9	26.4	25.9	0.6	3.9	7.6	11.2	12.8	14.8	16.9
		1500	37.4	36.5	35.8	34.9	34.4	33.9	33.4	0.9	5.0	9.5	14.1	16.0	18.6	21.2
		1800	44.8	43.9	43.2	42.3	41.8	41.3	40.8	1.1	6.0	11.5	17.0	19.3	22.4	25.5
T7B(S)-B10	31.8	1000	31.8	30.9	30.2	29.3	28.8	28.3	27.8	0.5	3.9	7.8	11.6	13.3	15.5	17.7
		1200	38.2	37.3	36.6	35.7	35.2	34.7	34.2	0.7	4.9	9.5	14.1	16.1	18.7	21.4
		1500	47.7	46.8	46.1	45.2	44.7	44.2	43.7	1.1	6.2	11.9	17.7	20.1	23.4	26.7
		1800	57.2	56.3	55.6	54.7	54.2	53.7	53.2	1.3	7.4	14.4	21.3	24.3	28.2	32.1
T7B(S)-B12	41.0	1000	41.0	40.1	39.4	38.5	38.0	37.5	-	0.6	5.0	9.9	14.8	17.0	19.8	-
		1200	49.2	48.3	47.6	46.7	46.2	45.7	-	0.9	6.2	12.1	18.0	20.5	23.9	-
		1500	61.5	60.6	59.9	59.0	58.5	58.0	-	1.2	7.8	15.2	22.5	25.7	29.9	-
		1800	73.8	72.9	72.2	71.3	70.8	70.3	-	1.5	9.4	18.2	27.1	30.9	35.9	-
T7B(S)-B15	50.0	1000	50.0	49.1	48.4	47.5	47.0	46.5	-	0.7	6.0	12.0	18.0	20.6	24.0	-
		1200	60.0	59.1	58.4	57.5	57	56.5	-	1.0	7.4	14.6	21.7	24.8	28.9	-
		1500	75.0	74.1	73.4	72.5	72.0	71.5	-	1.4	9.4	18.3	27.2	31.1	36.2	-
		1800	90.0	89.1	88.4	87.5	87.0	86.5	-	1.7	11.3	22.0	32.8	37.4	43.5	-

工作性能/Operation Performance

使用抗磨液压油，油液粘度24cst时。Using the anti-wear hydraulic oil, the oil viscosity 24cst.

系列 Series	理论排量 Geological Displaceme-nt mL/rev	转速 Rotation speed r/min	流量/Flow (L/min)		
			P=0 MPa	P=14 MPa	P=30 MPa
			L/min	L/min	L/min
T7D(S)-B14	44.0	1000	44.0	37.4	29.9
		1200	52.8	46.2	38.7
		1500	66.0	59.4	51.9
		1800	79.2	72.6	65.1
T7D(S)-B17	55.0	1000	55.0	48.4	40.9
		1200	66.0	59.4	51.9
		1500	82.5	75.9	68.4
		1800	99.0	92.4	84.9
T7D(S)-B20	66.0	1000	66.0	59.4	51.9
		1200	79.2	72.6	65.1
		1500	99.0	92.4	84.9
		1800	118.8	112.2	104.7
T7D(S)-B22	70.3	1000	70.3	63.7	56.2
		1200	84.4	77.8	70.3
		1500	105.5	98.8	91.4
		1800	126.5	119.9	112.4
T7D(S)-B24	81.1	1000	81.1	74.5	67
		1200	97.3	90.7	83.2
		1500	121.7	115.1	107.6
		1800	146.0	139.4	131.9
T7D(S)-B28	90.0	1000	90.0	83.4	75.9
		1200	108.0	101.4	93.9
		1500	135.0	128.4	120.9
		1800	162.0	155.4	147.9
T7D(S)-B31	99.2	1000	99.2	92.6	85.1
		1200	119.8	113.2	105.7
		1500	148.8	142.2	134.7
		1800	178.6	172.0	164.5
T7D(S)-B35	113.4	1000	113.4	106.8	-
		1200	136.1	129.5	-
		1500	170.1	163.5	-
		1800	204.1	197.5	-
T7D(S)-B38	120.6	1000	120.6	114.0	-
		1200	144.7	138.1	-
		1500	180.9	174.3	-
		1800	217.1	210.5	-
T7D(S)-B42	137.5	1000	137.5	130.9	-
		1200	165.0	158.4	-
		1500	206.3	199.7	-
		1800	247.5	240.9	-

系列 Series	输入功率 /Input Power (KW)		
	P=0.7 MPa	P=14 MPa	P=30 MPa
	KW	KW	KW
T7D(S)-B14	1.5	16.6	34.2
T7D(S)-B17	1.7	20.4	42.4
T7D(S)-B20	1.9	24.3	50.7
T7D(S)-B22	2.0	25.8	53.9
T7D(S)-B24	2.2	29.5	62.0
T7D(S)-B28	2.3	32.7	68.7
T7D(S)-B31	2.5	35.9	75.6
T7D(S)-B35	2.7	40.8	-
T7D(S)-B38	2.9	43.4	-
T7D(S)-B42	3.2	49.3	-

工作性能/Operation Performance

使用抗磨液压油，油液粘度24cst时。Using the anti-wear hydraulic oil, the oil viscosity 24cst.

系列 Series	理论排量 Geological Displaceme-nt mL/rev	转速 Rotation speed r/min	流量/Flow (L/min)		
			P=0 MPa	P=14 MPa	P=24 MPa
			L/min	L/min	L/min
T7E(S)-042	132.3	1000	132.3	122.3	115.2
		1200	158.8	150.8	143.7
		1500	198.5	188.5	181.4
		1800	238.1	228.1	221.0
T7E(S)-045	142.4	1000	142.4	132.4	125.3
		1200	170.9	160.9	153.8
		1500	213.6	203.6	196.5
		1800	256.3	246.3	239.2
T7E(S)-050	158.5	1000	158.5	158.5	141.4
		1200	190.2	180.2	173.1
		1500	237.7	227.7	220.6
		1800	285.3	275.3	268.2
T7E(S)-052	164.8	1000	164.8	154.8	147.7
		1200	197.8	187.8	180.7
		1500	247.2	237.2	230.1
		1800	296.6	286.6	279.5
T7E(S)-054	171.0	1000	171.0	161.0	153.9
		1200	205.2	195.2	188.1
		1500	256.5	246.5	239.4
		1800	307.8	297.8	290.7
T7E(S)-057	183.3	1000	183.3	173.3	166.2
		1200	220.0	210.0	202.9
		1500	275.0	265.0	257.9
		1800	330.0	320.0	312.9
T7E(S)-062	196.7	1000	196.7	186.7	179.6
		1200	236.0	226.0	218.9
		1500	295.0	285.0	277.9
		1800	354.1	344.1	337.0
T7E(S)-066	213.3	1000	213.3	203.3	196.2
		1200	256.0	246.0	238.9
		1500	319.9	309.0	302.8
		1800	384.0	374.0	366.9
T7E(S)-072	227.1	1000	227.1	217.1	210.0
		1200	272.5	262.5	255.4
		1500	340.6	330.6	323.5
		1800	408.8	398.8	391.7
T7E(S)-085*	268.7	1000	268.7	-	-
		1200	322.4	-	-
		1500	403.0	-	-
		1800	483.7	-	-

系列 Series	输入功率 /Input Power (KW)		
	P=0.7 MPa	P=14 MPa	P=24 MPa
	KW	KW	KW
T7E(S)-042	5.2	49.4	82.6
T7E(S)-045	5.4	52.9	88.7
T7E(S)-050	5.7	58.5	50.7
T7E(S)-052	5.8	60.8	102.1
T7E(S)-054	5.9	63.0	105.8
T7E(S)-057	6.1	67.3	113.2
T7E(S)-062	6.4	71.9	121.3
T7E(S)-066	6.7	77.7	131.2
T7E(S)-072	6.9	82.6	139.5
T7E(S)-085	9.1	-	-

085* 最大转速2000r/min, 最大间歇压力9MPa
The max rotation speed is 2000r/min, and the max intermittent pressure is 9MPa.

工作性能/Operation Performance

使用抗磨液压油，油液粘度24cst时。Using the anti-wear hydraulic oil, the oil viscosity 24cst.

系列 Series	理论排量 Geological Displaceme-nt mL/rev	转速 Rotation speed r/min	流量/Flow (L/min)						输入功率 /Input Power (KW)					
			P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=28 MPa	P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=28 MPa
			L/min	L/min	L/min	L/min	L/min	L/min	KW	KW	KW	KW	KW	KW
T6C-003 T6C-B03	10.8	1000	10.8	8.3	5.8	-	-	-	0.9	2.2	3.7	-	-	-
		1200	13.0	10.5	8.0	-	-	-	1.1	2.6	4.4	-	-	-
		1500	16.2	13.7	11.2	8.7	8.2	-	1.3	3.3	5.4	7.6	8.5	-
		1800	19.4	16.9	14.4	11.9	11.4	10.3	1.7	4.0	6.4	8.9	10.0	11.5
T6C-005 T6C-B05	17.2	1000	17.2	14.7	12.2	9.7	9.2	-	1.0	3.0	5.2	7.4	8.4	-
		1200	20.6	18.1	15.6	13.1	12.6	11.5	1.1	3.5	6.2	8.8	10.0	11.5
		1500	25.8	23.3	20.8	18.3	17.8	16.7	1.4	4.4	7.7	10.9	12.3	14.1
		1800	31.0	28.5	26.0	23.5	23.0	21.9	1.9	5.3	9.1	13.0	14.6	16.8
T6C-006 T6C-B06	21.3	1000	21.3	18.8	16.3	13.8	13.3	12.2	1.0	3.4	6.1	8.9	10.0	11.5
		1200	25.6	23.1	20.6	18.1	17.6	16.5	1.2	4.1	7.3	10.5	11.9	13.8
		1500	32.0	29.5	27.0	24.5	24.0	22.9	1.5	5.1	9.1	13.1	14.8	17.0
		1800	38.3	35.8	33.3	30.8	30.3	29.2	1.9	6.2	10.8	15.6	17.6	20.3
T6C-008 T6C-B08	26.4	1000	26.4	23.9	21.4	18.9	18.4	17.3	1.1	4.0	7.3	10.6	12.0	13.9
		1200	31.7	29.2	26.7	24.2	23.7	22.6	1.3	4.8	8.7	12.7	14.4	16.6
		1500	39.6	37.1	34.6	32.1	31.6	30.5	1.6	6.0	10.9	15.8	17.8	20.6
		1800	47.5	45.0	42.5	40.0	39.5	38.4	2.1	7.2	13.0	18.8	21.3	24.6
T6C-010 T6C-B10	34.1	1000	34.1	31.6	29.1	26.6	26.1	25.0	1.2	4.9	9.1	13.3	15.1	17.5
		1200	40.9	38.4	35.9	33.4	32.9	31.8	1.4	5.9	10.9	15.9	18.1	20.9
		1500	51.2	48.7	46.2	43.7	43.2	42.1	1.7	7.3	13.6	19.8	22.5	26.0
		1800	61.4	58.9	56.4	53.9	53.4	52.3	2.2	8.9	16.2	23.6	26.8	31.0
T6C-012 T6C-B12	37.1	1000	37.1	34.6	32.1	29.6	29.1	28.0	1.2	5.3	9.8	14.4	16.3	18.9
		1200	44.5	42.0	39.5	37.0	36.5	35.4	1.4	6.3	11.7	17.2	19.5	22.6
		1500	55.7	53.2	50.7	48.2	47.7	46.6	1.7	7.9	14.6	21.4	24.3	28.1
		1800	66.8	64.3	61.8	59.3	58.8	57.7	2.3	9.5	17.5	25.5	29.0	33.6
T6C-014 T6C-B14	46.0	1000	46.0	43.5	41.0	38.5	38.0	36.9	1.3	6.3	11.9	17.5	19.9	23.1
		1200	55.2	52.7	50.2	47.7	47.2	46.1	1.5	7.6	14.2	20.9	23.8	27.6
		1500	69.0	66.5	64.0	61.5	61.0	59.9	1.9	9.4	17.7	26.1	29.6	34.3
		1800	82.8	80.3	77.8	75.3	74.8	73.7	2.5	11.4	21.2	31.1	35.4	41.0

工作性能/Operation Performance

使用抗磨液压油，油液粘度24cst时。Using the anti-wear hydraulic oil, the oil viscosity 24cst.

系列 Series	理论排量 Geological Displaceme-nt mL/rev	转速 Rotation speed r/min	流量/Flow (L/min)						输入功率 /Input Power (KW)					
			P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=28 MPa	P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=28 MPa
			L/min	L/min	L/min	L/min	L/min	L/min	KW	KW	KW	KW	KW	KW
T6C-017 T6C-B17	58.3	1000	58.3	55.8	53.3	50.8	50.3	49.2	1.5	7.8	14.8	21.8	24.8	28.8
		1200	70.0	67.5	65.0	62.5	62.0	60.9	1.7	9.3	17.7	26.1	29.7	34.5
		1500	87.5	85.0	82.5	80.0	79.5	78.4	2.1	11.6	22.0	32.5	37.0	42.9
		1800	104.9	102.4	99.9	97.4	96.9	95.8	2.7	13.9	26.4	38.9	44.2	51.4
T6C-020 T6C-B20	63.8	1000	63.8	61.3	58.8	56.3	55.8	54.7	1.5	8.4	16.0	23.7	27.0	31.4
		1200	76.6	74.1	71.6	69.1	68.6	67.5	1.8	10.0	19.2	28.4	32.3	37.6
		1500	95.7	93.2	90.7	88.2	87.7	86.6	2.2	12.5	24.0	35.4	40.3	46.8
		1800	114.8	112.3	109.8	107.3	106.8	105.7	2.8	15.1	28.7	42.3	48.2	56.0
T6C-022 T6C-B22	70.3	1000	70.3	67.8	65.3	62.8	62.3	61.2	1.6	9.2	17.6	26.0	29.6	34.4
		1200	84.4	81.9	79.4	76.9	76.4	75.3	1.9	11.0	21.0	31.1	35.5	41.2
		1500	105.5	103.0	100.5	98.0	97.5	96.4	2.3	13.7	26.2	38.8	44.2	51.3
		1800	126.5	124.0	121.5	119.0	118.5	117.4	3.0	16.5	31.4	46.4	52.9	61.5
T6C-025 T6C-B25	79.3	1000	79.3	76.8	74.3	71.8	71.3	70.2	1.7	10.2	19.7	29.2	33.2	38.6
		1200	95.2	92.7	90.2	87.7	87.2	86.1	2.0	12.2	23.6	34.9	39.8	46.3
		1500	119.0	116.5	114.0	111.5	111.0	109.9	2.5	15.2	29.4	43.5	49.6	57.6
		1800	142.7	140.2	137.7	135.2	134.7	133.6	3.2	18.4	35.2	52.1	59.3	69.0
T6C-028* T6C-B28	88.8	1000	88.8	86.3	83.8	81.3	-	-	1.8	11.3	21.9	32.5	-	-
		1200	106.6	104.1	101.6	99.1	-	-	2.1	13.5	26.2	38.9	-	-
		1500	133.2	130.7	128.2	125.7	-	-	2.7	16.9	32.7	48.5	-	-
		1800	159.8	157.3	154.8	152.3	-	-	3.4	20.3	39.2	58.1	-	-
T6C-031* T6C-B31	100.0	1000	100.0	97.5	95.0	92.5	-	-	2.0	12.6	24.5	36.4	-	-
		1200	120.0	117.5	115.0	112.5	-	-	2.3	15.1	29.4	43.6	-	-
		1500	150.0	147.5	145.0	142.5	-	-	2.9	18.9	36.6	54.4	-	-
		1800	180.0	177.5	175.0	172.5	-	-	3.6	22.7	43.9	65.1	-	-

028* / 031* 最大间歇压力21MPa。
The max intermittent pressure is 21MPa.

- 因为内泄大于理论值的50%，故没有应用。
- AS the inner leakage is over 50% of theoretical valuc, so it is not used

工作性能/Operation Performance

使用抗磨液压油，油液粘度24cst时。Using the anti-wear hydraulic oil, the oil viscosity 24cst.

系列 Series	理论排量 Geological Displaceme-nt mL/rev	转速 Rotation speed r/min	流量/Flow (L/min)					输入功率 /Input Power (KW)				
			P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa
			L/min	L/min	L/min	L/min	L/min	KW	KW	KW	KW	KW
T6D-014 T6D-B14	47.6	1000	47.6	43.6	38.6	34.6	32.6	1.6	6.8	12.5	18.3	20.7
		1200	57.1	53.1	48.1	44.1	42.1	1.8	8.0	14.9	21.8	24.8
		1500	71.4	67.4	62.4	58.4	56.4	2.3	10.0	18.5	27.0	30.7
		1800	85.7	81.7	76.7	72.7	70.7	2.9	12.1	22.3	32.5	36.9
T6D-017 T6D-B17	58.2	1000	58.2	54.2	49.2	45.2	43.2	1.7	8.0	15.0	22.0	25.0
		1200	69.8	65.8	60.8	56.8	54.8	1.9	9.5	17.9	26.3	29.9
		1500	87.3	83.3	78.3	74.3	72.3	2.5	11.8	22.2	32.6	37.0
		1800	104.8	100.8	95.8	91.8	89.8	3.1	14.4	26.8	39.2	44.5
T6D-020 T6D-B20	66.0	1000	66.0	62.0	57.0	53.0	51.0	1.8	8.9	16.8	24.7	28.1
		1200	79.2	75.2	70.2	66.2	64.2	2.1	10.6	20.1	29.6	33.6
		1500	99.0	95.0	90.0	86.0	84.0	2.7	13.2	24.9	36.7	41.7
		1800	118.8	114.8	109.8	105.8	103.8	3.3	16.0	30.1	44.1	50.1
T6D-024 T6D-B24	79.5	1000	79.5	75.5	70.5	66.5	64.5	1.9	10.5	20.0	29.4	33.5
		1200	95.4	91.4	86.4	82.4	80.4	2.2	12.5	23.9	35.2	40.1
		1500	119.3	115.3	110.3	106.3	104.3	2.9	15.6	29.7	43.7	49.8
		1800	143.1	139.1	134.1	130.1	128.1	3.6	18.8	35.7	52.6	59.9
T6D-028 T6D-B28	89.7	1000	89.7	85.7	80.7	76.7	74.7	2.0	11.7	22.3	33.0	37.5
		1200	107.6	103.6	98.6	94.6	92.6	2.4	13.9	26.7	39.5	45.0
		1500	134.6	130.6	125.6	121.6	119.6	3.1	17.4	33.2	49.1	55.9
		1800	161.5	157.5	152.5	148.5	146.5	3.8	21.0	40.0	59.0	67.2
T6D-031 T6D-B31	98.3	1000	98.3	94.3	89.3	85.3	83.3	2.1	12.7	24.3	36.0	41.0
		1200	118.0	114.0	109.0	105.0	103.0	2.5	15.1	29.1	43.1	49.1
		1500	147.5	143.5	138.5	134.5	132.5	3.2	18.9	36.2	53.6	61.1
		1800	176.9	172.9	167.9	163.9	161.9	4.0	22.8	43.6	64.5	73.4
T6D-035 T6D-B35	111.0	1000	111.0	107.0	102.0	98.0	96.0	2.3	14.2	27.3	40.5	46.1
		1200	133.2	129.2	124.2	120.2	118.2	2.7	16.9	32.7	48.5	55.2
		1500	166.5	162.5	157.5	153.5	151.5	3.4	21.1	40.7	60.3	68.7
		1800	199.8	195.8	190.8	186.8	184.8	4.2	25.4	49.0	72.5	82.5
T6D-038 T6D-B38	120.3	1000	120.3	116.3	111.3	107.3	105.3	2.4	15.2	29.5	43.7	49.8
		1200	144.4	140.4	135.4	131.4	129.4	2.8	18.2	35.3	52.4	59.7
		1500	180.5	176.5	171.5	167.5	165.5	3.6	22.7	43.9	65.2	74.3
		1800	216.5	212.5	207.5	203.5	201.5	4.4	27.4	52.9	78.3	89.2
T6D-042 T6D-B42	136.0	1000	136.0	132.0	127.0	123.0	121.0	2.6	17.1	33.1	49.2	56.1
		1200	163.2	159.2	154.2	150.2	148.2	3.0	20.4	39.7	59.0	67.2
		1500	204.0	200.0	195.0	191.0	189.0	3.9	25.5	49.4	73.4	83.7
		1800	244.8	240.8	235.8	231.8	229.8	4.8	30.7	59.5	88.2	100.5
T6D-045 T6D-B045	145.7	1000	145.7	141.7	136.7	132.7	130.7	2.7	18.2	35.4	52.6	59.9
		1200	174.8	170.8	165.8	161.8	159.8	3.2	21.7	42.4	63.0	71.9
		1500	218.6	214.6	209.6	205.6	203.6	4.0	27.2	52.8	78.5	89.5
		1800	262.3	258.3	253.3	249.3	247.3	5.0	32.7	63.5	94.3	107.5
T6D-050* T6D-B50	158.0	1000	158.0	154.0	149.0	145.0	-	2.8	19.6	38.3	56.9	-
		1200	189.6	185.6	180.6	176.6	-	3.3	23.5	45.8	68.2	-
		1500	237.0	233.0	228.0	224.0	-	4.3	29.3	57.1	85.0	-
		1800	284.4	280.4	275.4	271.4	-	5.2	35.3	68.7	102.1	-

050 * 最大间歇压力21MPa
The max intermittent pressure is 21MPa

工作性能/Operation Performance

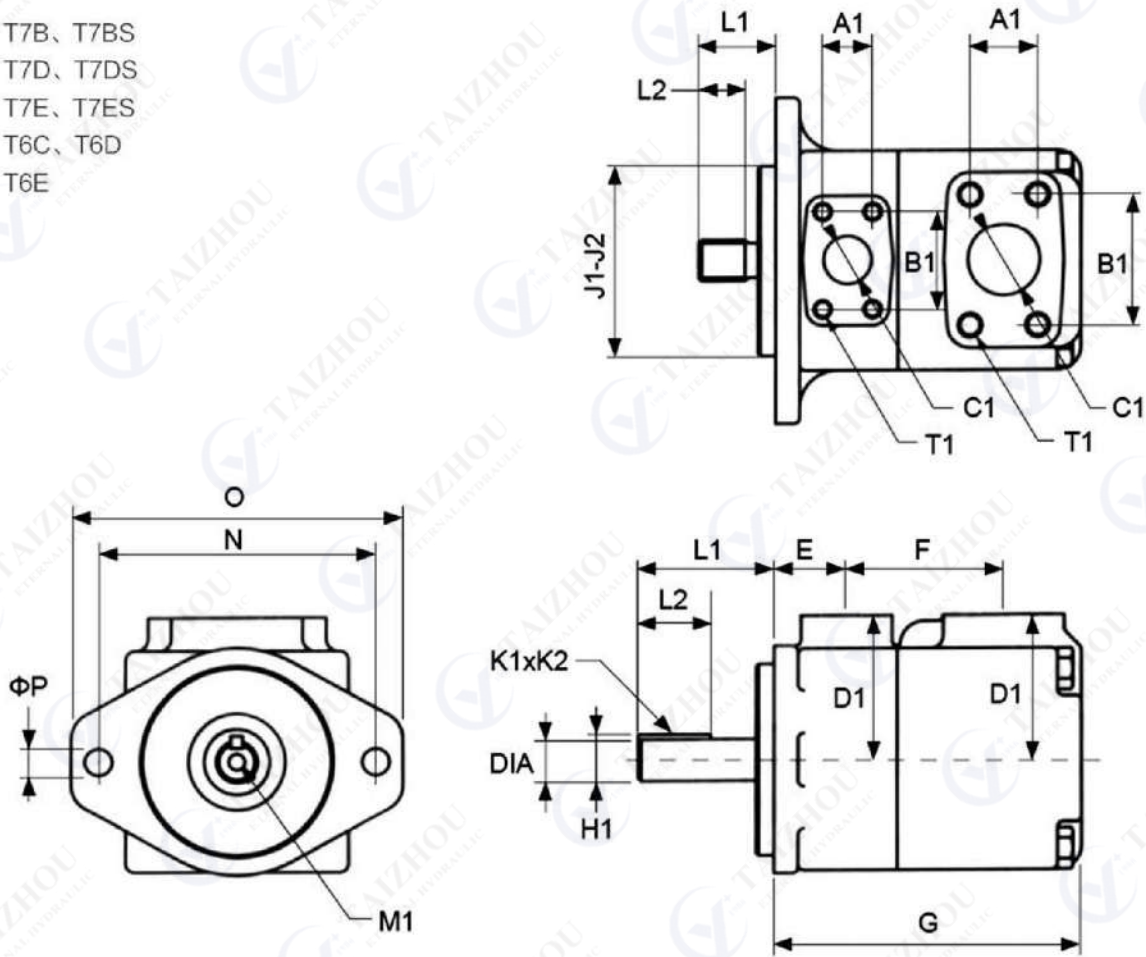
使用抗磨液压油，油液粘度24cst时。Using the anti-wear hydraulic oil, the oil viscosity 24cst.

系列 Series	理论排量 Geological Displaceme-nt mL/rev	转速 Rotation speed r/min	流量/Flow (L/min)					输入功率 /Input Power (KW)				
			P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa	P=0 MPa	P=7 MPa	P=14 MPa	P=21 MPa	P=24 MPa
			L/min	L/min	L/min	L/min	L/min	KW	KW	KW	KW	KW
T6E-042	132.3	1000	132.3	127.3	122.3	117.3	115.3	3.3	17.4	33.0	48.5	55.2
		1200	158.8	153.8	148.8	143.8	141.8	4.0	20.8	39.5	58.3	66.3
		1500	198.5	193.5	188.5	183.5	181.5	5.2	26.2	49.4	72.7	82.7
		1800	238.1	233.1	228.1	223.1	221.1	6.4	31.5	59.4	87.3	99.4
T6E-045	142.4	1000	142.4	137.4	132.4	127.4	125.4	3.5	18.6	35.3	52.1	59.3
		1200	170.9	165.9	160.9	155.9	153.9	4.1	22.2	42.4	62.5	71.2
		1500	213.6	208.6	203.6	198.6	196.6	5.4	27.9	52.9	78.0	88.8
		1800	256.3	251.3	246.3	241.3	239.3	6.6	33.6	63.7	93.7	106.6
T6E-050	158.5	1000	158.5	153.5	148.5	143.5	141.5	3.6	20.4	39.1	57.7	65.7
		1200	190.2	185.2	180.2	175.2	173.2	4.3	24.5	46.9	69.3	78.9
		1500	237.8	232.8	227.8	222.8	220.8	5.7	30.7	58.6	86.5	98.4
		1800	285.3	280.3	275.3	270.3	268.3	6.9	37.0	70.4	103.9	118.2
T6E-052	164.8	1000	164.8	159.8	154.8	149.8	147.8	3.7	21.2	40.6	59.9	68.2
		1200	197.8	192.8	187.8	182.8	180.8	4.4	25.4	48.6	71.9	81.9
		1500	247.2	242.2	237.2	232.2	230.2	5.8	31.8	60.8	89.8	102.2
		1800	296.6	291.6	286.6	281.6	279.6	7.1	38.3	73.1	107.8	122.8
T6E-057	179.8	1000	179.8	174.8	169.8	164.8	162.8	3.9	22.9	44.1	65.2	74.2
		1200	215.8	210.8	205.8	200.8	198.8	4.6	27.5	52.8	78.2	89.1
		1500	269.7	264.7	259.7	254.7	252.7	6.0	34.5	66.0	97.6	111.2
		1800	323.6	318.6	313.6	308.6	306.6	7.4	41.5	79.4	117.3	133.6
T6E-062	196.7	1000	196.7	191.7	186.7	181.7	179.7	4.1	24.9	48.0	71.1	81.0
		1200	236.0	231.0	226.0	221.0	219.0	4.9	29.8	57.6	85.3	97.2
		1500	295.1	290.1	285.1	280.1	278.1	6.3	37.4	71.9	106.5	121.3
		1800	354.1	349.1	344.1	339.1	337.1	7.7	45.0	86.5	127.9	145.7
T6E-066	213.3	1000	213.3	208.3	203.3	198.3	196.3	4.3	26.8	51.9	76.9	87.6
		1200	256.0	251.0	246.0	241.0	239.0	5.1	32.2	62.2	92.3	105.2
		1500	320.0	315.0	310.0	305.0	303.0	6.6	40.3	77.8	115.2	131.3
		1800	383.9	378.9	373.9	368.9	366.9	8.1	48.5	93.4	138.4	157.7
T6E-072	227.1	1000	227.1	222.1	217.1	212.1	210.1	4.4	28.4	55.1	81.7	93.1
		1200	272.5	267.5	262.5	257.5	255.5	5.3	34.1	66.1	98.1	111.8
		1500	340.7	335.7	330.7	325.7	323.7	6.9	42.7	82.6	122.5	139.6
		1800	408.8	403.8	398.8	393.8	391.8	8.4	51.4	99.2	147.1	167.6
T6E-085*	269	1000	269.0	264.0	-	-	-	4.9	33.3	-	-	-
		1200	322.8	317.8	-	-	-	5.9	40.0	-	-	-
		1500	403.5	398.5	-	-	-	7.6	50.1	-	-	-
		1800	484.2	479.2	-	-	-	9.2	60.2	-	-	-

085 * 最大转速2000r/min, 最大间歇压力9MPa
The max rotation speed is 2000r/min, and the max intermittent pressure is 9MPa

安装连接尺寸/Installation Dimensions

T7B、T7BS
T7D、T7DS
T7E、T7ES
T6C、T6D
T6E



	T7B	T7BS	T7D	T7DS	T7E	T7ES	T6C	T6D	T6E
E	38.10	38.10	38.10	38.10	52.30	52.30	38.10	38.10	52.30
F	82.30	82.30	87.40	87.40	110.00	110.00	82.30	87.40	110.00
G	168.50	168.50	184.90	184.90	225.30	225.30	161.60	184.90	225.30
J1	100.00	101.60	125.00	127.00	125.00	127.00	101.60	127.00	127.00
J2	99.967	101.550	124.937	126.950	124.937	126.950	101.550	126.950	126.950
N	140.00	146.00	180.00	181.00	180.00	181.00	146.10	181.00	181.00
O	174.50	174.50	212.40	212.40	213.00	213.00	174.50	212.40	213.00
ΦP	14.00	14.30	18.00	17.50	18.00	17.50	14.30	17.50	17.50

安装连接尺寸/Installation Dimensions

轴伸 Shaft extension

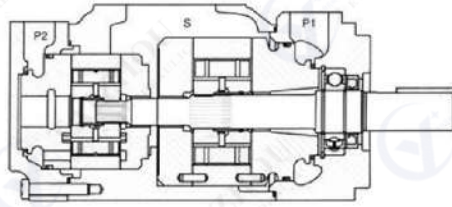
型号 Model	轴伸代号 Shaft code	最大扭矩 Max torque (N.m)	L1	L2	DIA	K1xK2	H1	M1
T7B	2	●	70.0	40.0	25.0065/24.9935	8.00x7.00	28.22	-
T7BS	1	●	71.4	38.1	22.225/22.200	6.35x6.30	24.95	M8x16
	3	●	40.7	24.5	SAE J498b 1级, 径节16/32, 13牙			-
	4	●	45.5	24.5	SAE J498b 1级, 径节16/32, 15牙			-
T7D	5	●	87.4	50.0	32.018/32.002	10.00x8.00	36.3	M10x20
T7DS	1	●	83.6	49.3	31.750/31.700	7.94x7.89	35.27	M10x20
	2	●	73.2	38.1	31.750/31.700	7.94x7.89	35.27	
	3	●	55.2	38.0	SAE J498b 1级, 径节12/24, 14牙			-
	4	●	77.7	48.0	SAE J498b 1级, 径节12/24, 14牙			-
T7E	5	●	90.0	60.0	38.018/38.002	10.00x8.00	41.3	M10x20
T7ES	1	●	90.9	50.8	38.100/38.050	9.52x9.47	42.36	M10x20
	2	●	61.9	38.1	31.750/31.700	7.94x7.89	35.27	-
	3	●	55.2	38.0	SAE J498b 1级, 径节12/24, 14牙			-
	4	●	62.2	31.5	SAE J498b 1级, 径节12/24, 17牙			-
T6C	1	275	71.4	38.1	22.225/22.200	6.35x6.30	24.95	M8x16
	2	238	58.2	31.7	22.225/22.200	4.76x4.71	24.53	-
	3	343	40.7	24.5	SAE J498b 1级, 径节16/32, 13牙			-
	4	●	45.5	24.5	SAE J498b 1级, 径节16/32, 15牙			-
T6D	1	●	83.6	49.3	31.750/31.700	7.94x7.89	35.27	M10x20
	2	577	73.2	38.1	31.750/31.700	7.94x7.89	35.27	-
	3	●	55.2	38.0	SAE J498b 1级, 径节12/24, 14牙			-
	4	●	77.7	48.0	SAE J498b 1级, 径节12/24, 14牙			-
T6E	1	●	90.9	50.8	38.100/38.050	9.52x9.47	42.36	M10x20
	2	577	61.9	38.1	31.750/31.700	7.94x7.89	35.27	-
	3	●	55.2	38.0	SAE J498b 1级, 径节12/24, 14牙			-
	4	●	62.2	31.5	SAE J498b 1级, 径节12/24, 17牙			-

● 能在最大流量, 最高压力下工作。
Work at maximum flow and pressure.

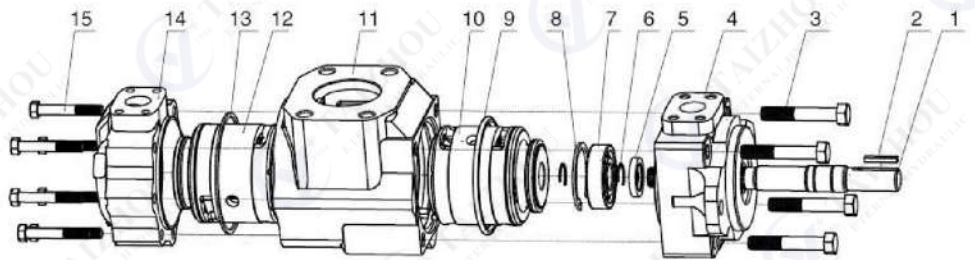
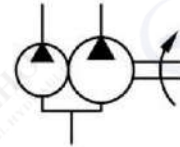
安装连接尺寸/Installation Dimensions

油口/Oil port			法兰 Flange	安装尺寸/Install Dimensions(mm)				
				A1	B1	∅C1	D1	T1口螺纹Thread
T7B, T7BS	P	01: 3/4"	F06	22.2	47.6	19.0	76.2	3/8"-16UNCx19.0
	P	00: 1"	F08	26.2	52.4	25.4	76.2	3/8"-16UNCx19.0
	S	1-1/2"	F12	35.7	69.9	38.1	76.2	1/2"-13UNCx22.4
T7D, mT7DS	P	1-1/4"	F10	30.2	58.7	31.8	76.2	7/16"-14UNCx22.3
	S	2"	F16	42.9	77.8	50.8	82.6	1/2"-13UNCx23.9
T7E, T7ES	P	1-1/2"	F12	35.7	69.9	38.1	98.6	1/2"-13UNCx23.4
	S	3"	F24	61.9	106.4	76.2	98.6	1/2"-13UNCx22.4
T6C	P	1"	F08	26.2	52.4	25.4	76.2	3/8"-16UNCx19.0
	S	1-1/2"	F12	35.7	69.9	38.1	76.2	1/2"-13UNCx22.4
T6D	P	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3
	S	2"	F16	42.9	77.8	50.8	82.6	1/2"-13UNCx23.9
T6E	P	1-1/2"	F12	35.7	69.9	38.1	98.6	1/2"-13UNCx23.4
	S	3"	F24	61.9	106.4	76.2	98.6	5/8"-11UNCx24.0

T6, T67, T7 系列双联泵 Series Double pumps



液压符号
Hydraulic Sign



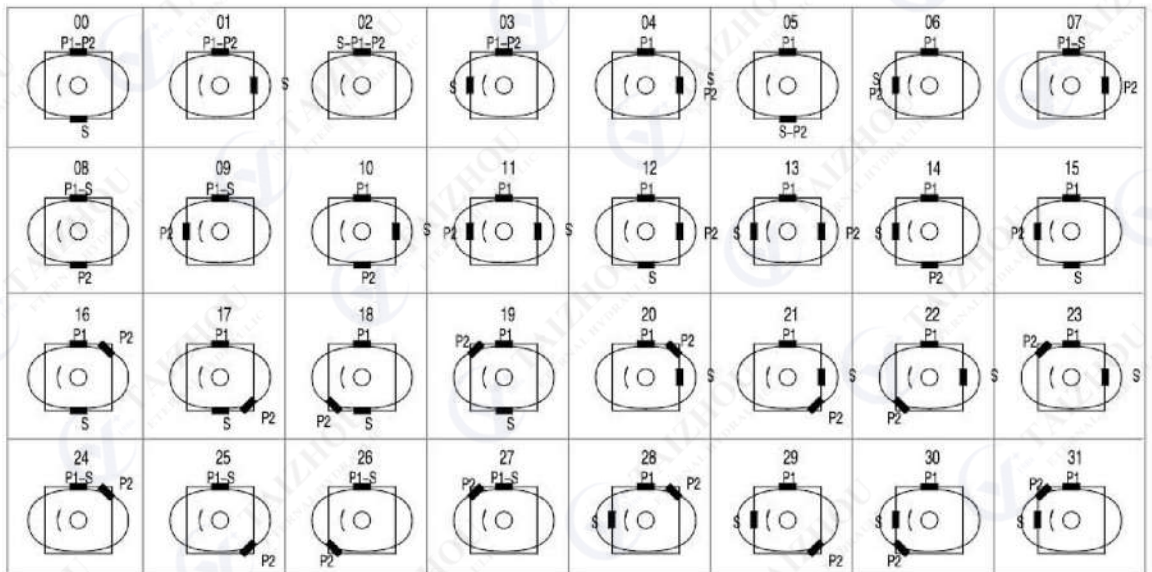
序号 NO.	名称 Part	数量 Qty
1	轴 shaft	1
2	平键 straight key	1
3	外六角螺栓 Hexagon head bolt	4
4	前盖 front cover	1
5	油封 shaft seal	1

序号 NO.	名称 Part	数量 Qty
6	轴用钢丝挡圈 cir clip for shaft	2
7	滚动轴承 ball bearing	1
8	孔用弹性挡圈 cir clip for hole	1
9	矩形密封圈 rectangle seal ring	1
10	前泵芯 front cartridge	1

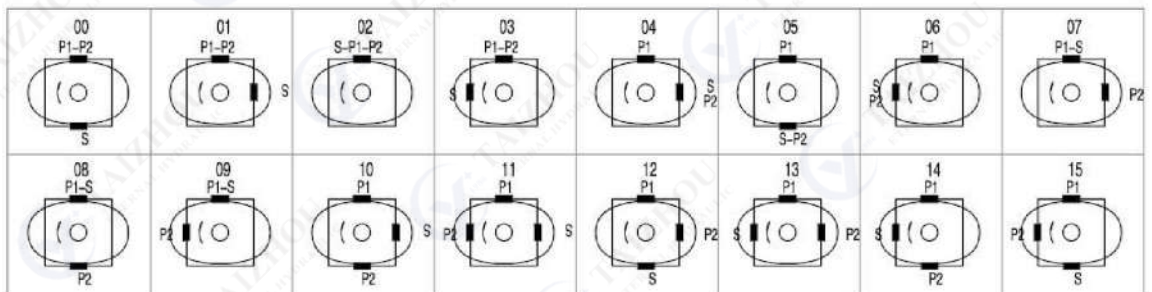
序号 NO.	名称 Part	数量 Qty
11	中泵体 middle body	1
12	后泵芯 rear cartridge	1
13	矩形密封圈 rectangle seal ring	1
14	后盖 rear cover	1
15	外六角螺栓 Hexagon head bolt	4

油口位置(从泵的轴端看)/Port positions (Viewed from shaft end of pump)

T7BB(S)
T7DB(S)
T7EB(S)
T67CB
T6CC
T67DB
T6DC
T67EB
T67EC
T6EC



T7DD(S)
T7ED(S)
T7EE(S)
T7ED
T6ED
T6EE



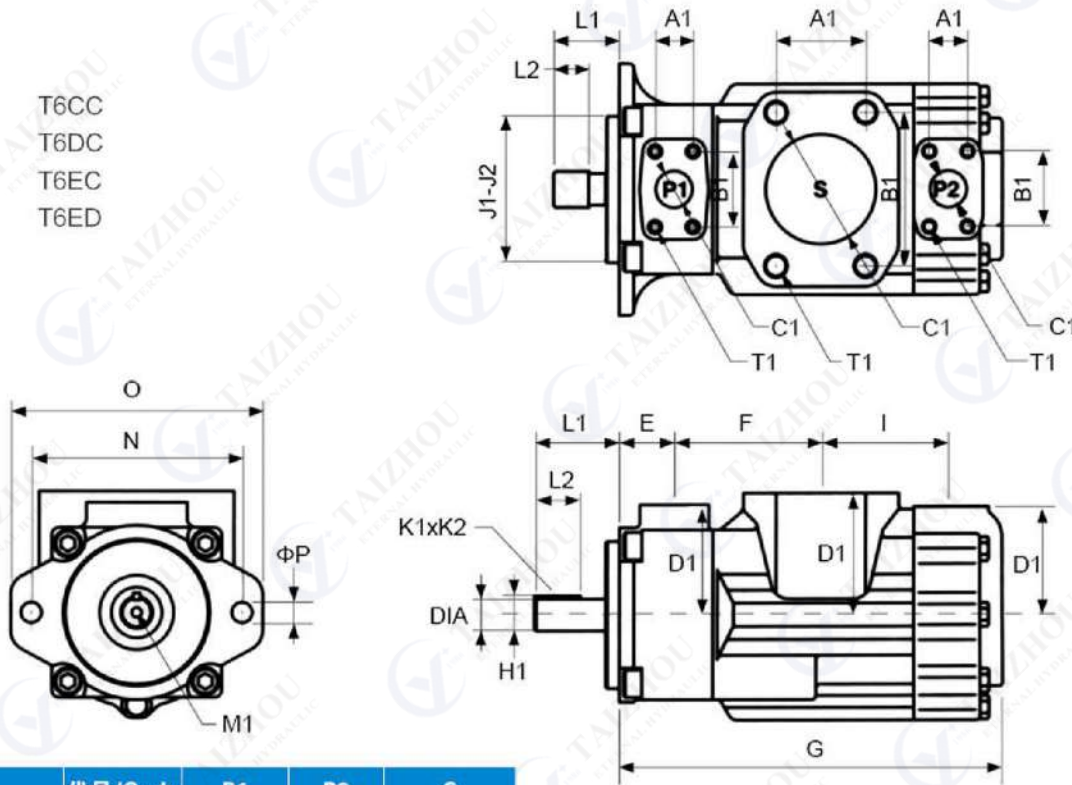
型号说明/Model Designation

T6CC	S	W	-025	-017	-1	R	02	-C	1	10
系列号 Series	类别代号 Type Code	辅助类别代号 Vice Type Code	轴端泵排量代号 Flow-shaft end Pump	盖端泵排量代号 Flow-cover end pump	轴伸形式 Shaft type	旋转方向 Rotation	油口位置 Port positions	设计号 Design number	密封等级 Sealing Level	油口尺寸 Port dimensions
T7BB	无: 采用ISO 3019安装法兰 NO: USE ISO 3019 Installation Flange S: 采用SAE C J744安装法兰 S: USE SAE C J744 installation flange	无此项 NO	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						00, 01, M0, M1 见安装连接尺寸 See installation dimensions
T7DB			B14, B17, B20, B22, B24, B28, B31, B35, B38, B42	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						00, 01, M1, M0 见安装连接尺寸 See installation dimensions
T7DD			B14, B17, B20, B22, B24, B28, B31, B35, B38, B42	B14, B17, B20, B22, B24, B28, B31, B35, B38, B42						无此选项 No
T7EB			042, 045, 050, 052, 054, 057, 062, 066, 072, 085	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						
T7ED			042, 045, 050, 052, 054, 057, 062, 066, 072, 085	B14, B17, B20, B22, B24, B28, B31, B35, B38, B42						
T7EE			042, 045, 050, 052, 054, 057, 062, 066, 072, 085	042, 045, 050, 052, 054, 057, 062, 066, 072, 085						
T67CB	无: 工业用型 M: 车用型 P: 车用型 双重油封 NO: industrial type M: truck type P: truck type double seal kits	W: 重型轴 Heavy str keyed shaft	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	见轴伸尺寸 See size of shaft	从泵的轴端看 Viewed from shaft end of pump R-顺时针旋转 right hand for clockwise L-逆时针旋转 left hand for counter-clockwise	见下图 see picture below	C	1-S1, 丁腈橡胶 NBR Nitrile rubber 5-S5, 氟橡胶 Fluororubber	00, 01, 10, 11, M0, M1, W0, W1 见安装连接尺寸 See installation dimensions
T6CC			003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31						00, 01, M0, M1 见安装连接尺寸 See installation dimensions
T67DB			014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						
T67DC			B14, B17, B20, B22, B24, B28, B31, B35, B38, B42	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31						00, 01, M0, M1 见安装连接尺寸 See installation dimensions
T6DC			014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31						
T67EB			042, 045, 050, 052, 057, 062, 066, 072, 085	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						无此选项 No
T6EC			042, 045, 050, 052, 057, 062, 066, 072, 085	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31						
T67EC			042, 045, 050, 052, 057, 062, 066, 072, 085	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31						无此选项 No
T6ED			042, 045, 050, 052, 057, 062, 066, 072, 085	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061						
T6EE			042, 045, 050, 052, 057, 062, 066, 072, 085	042, 045, 050, 052, 057, 062, 066, 072, 085						

003/B03 排量代号中0表示单转向型配流侧板结构, B表示双转向型配流侧板结构;与相应系列、规格的T6单泵性能参数一致, 详见T6系列单泵的性能参数
In displacement code, 0 means single steering valve plate structure, B means the two steering valve plate structure.
The data of relevant series ,model are unanimous.Please see T6 series-single pumps data

安装连接尺寸/Installation Dimensions

T6CC
T6DC
T6EC
T6ED



	代号/Code	P1	P2	S
T6CC	00(0M)	1"	1"	3"
	01(W0)	1"	3/4"	3"
	10(1M)	1"	1"	2-1/2"
	11(W1)	1"	3/4"	2-1/2"
T6DC	00(M0)	1-1/4"	1"	3"
T7DB(S)	01(M1)	1-1/4"	3/4"	3"

	T6CC	T6DC
E	38.1	38.1
F	101.6	114.3
G	265.6	286.0
I	88.2	109.5
J1	101.60	127.00
J2	101.55	126.95
N	146.0	181.0
O	174.5	212.4
ΦP	14.3	17.5

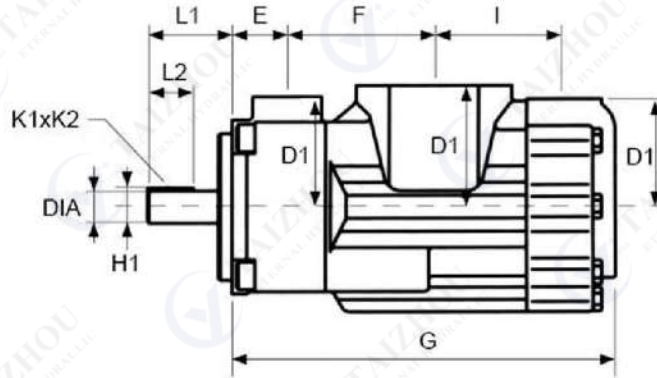
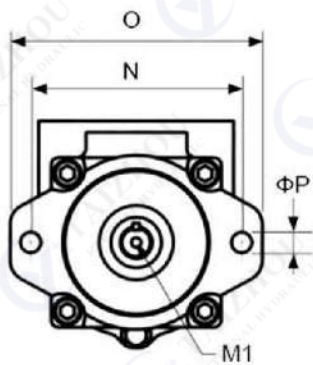
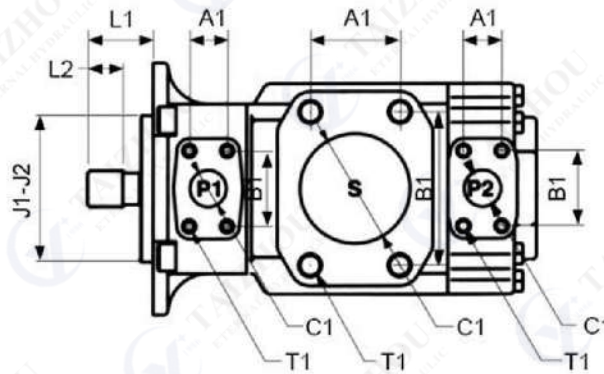
	T6EC	T6ED
E	52.3	52.3
F	118.5	133.5
G	331.6	361.0
I	136.7	148.2
J1	127.00	127.00
J2	126.95	126.95
N	181.0	181.0
O	213.0	213.0
ΦP	17.5	17.5

	T6EE	T6EES
E	42.9	42.9
F	167.3	167.3
G	406.8	406.8
I	157.9	157.9
J1	250.00	165.10
J2	249.93	165.05
N	224.5x224.5	224.5x224.5
O	273x273	273x273
ΦP	20.6	20.6

油口/Oil port	法兰 Flange	安装尺寸/Install Dimensions(mm)						
		A1	B1	ΦC1	D1	T1口螺纹Thread		
T6CC	P1	1"	F08	26.2	52.4	25.4	76.2	3/8"-16UNCx19.0 (M10x19)
	P2	3/4"	F06	22.2	47.6	19.0	76.2	3/8"-16UNCx19.0(M10x19)
		1"	F08	26.2	52.4	25.4	74.7	
	S	2-1/2"	F20	50.8	88.9	63.5	84.1	1/2"-13UNCx23.9(M12x24)
3"		F24	61.9	106.4	76.2	84.1	5/8"-11UNCx28.4(M12x28)	
T6DC	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3(M12x22)
	P2	3/4"	F06	22.2	47.6	19.0	74.7	3/8"-16UNCx19.0(M10x19)
		1"	F08	26.2	52.4	25.4	74.7	
	S	3"	F24	61.9	106.4	76.2	88.9	5/8"-11UNCx28.4(M16x28.4)
T6EC	P1	1-1/2"	F12	35.7	69.9	38.1	98.6	1/2"-13UNCx23.4
	P2	1"	F08	26.2	52.4	25.4	74.7	3/8"-16UNCx19.0
	S	3-1/2"	F28	69.9	120.7	88.9	102.4	5/8"-11UNCx29.5
T6ED	P1	1-1/2"	F12	35.7	69.9	38.1	98.6	1/2"-13UNCx23.4
	P2	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx24.0
	S	4"	F32	77.8	130.2	101.6	102.4	5/8"-11UNCx30.0
T6EE(S)	P1	1-1/2"	F12	35.7	69.9	38.1	139.7	1/2"-13UNCx30
	P2	1-1/2"	F12	35.7	69.9	37.1	98.6	1/2"-13UNCx23.4
	S	4"	F32	77.8	130.2	101.6	115	5/8"-11UNCx30

安装连接尺寸/Installation Dimensions

T7BB、T7BBS
T7DB、T7DBS
T7EB、T7EBS
T67CB
T67DB
T67EB



	T7BB	T7BBS	T67CB
E	38.1	38.1	38.1
F	101.6	101.6	101.6
G	262.2	262.2	265.6
I	98.6	98.6	88.2
J1	100.00	101.60	101.60
J2	99.97	101.55	101.55
N	140.0	146.0	146.0
O	174.5	174.5	174.5
ΦP	14.0	14.3	14.3

	T7DB	T7DBS	T67DB
E	38.1	38.1	38.1
F	114.3	114.3	114.3
G	286.0	286.0	286.0
I	109.5	109.5	109.5
J1	125.00	127.00	127.00
J2	124.94	126.95	126.95
N	180.0	181.0	181.0
O	212.4	212.4	212.4
ΦP	18.0	17.5	17.5

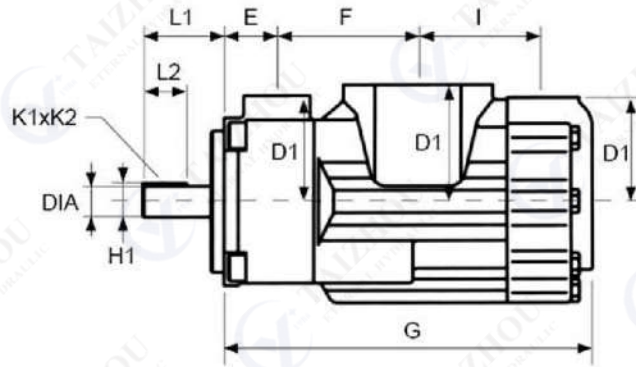
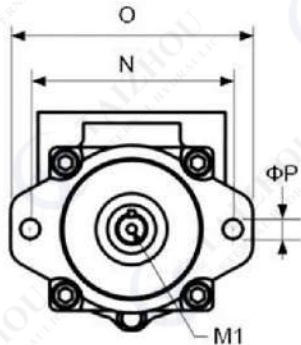
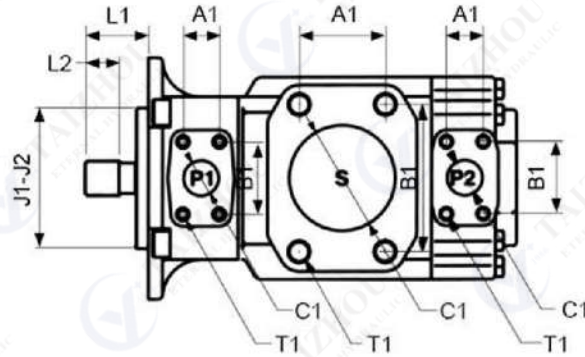
	T7EB	T7EBS	T67EB
E	52.3	52.3	52.3
F	118.5	118.5	118.5
G	331.6	331.6	331.6
I	136.7	136.7	136.7
J1	125.00	127.00	127.00
J2	124.94	126.95	126.95
N	180.0	181.0	181.0
O	213.0	213.0	213.0
ΦP	18.0	17.5	17.5

	代号/Code	P1	P2	S
T7BB(S)	00(O M)	1"	3/4"	2-1/2"
	01(M1)	3/4"	3/4"	2-1/2"

油口/Oil port		法兰 Flange	安装尺寸/Install Dimensions(mm)					
			A1	B1	ΦC1	D1	T1口螺纹Thread	
T7BB(S)	P1	1"	F08	26.2	52.4	25.4	76.2	3/8"-16UNCx19.0 (M10x19)
		3/4"	F06	22.2	47.6	19.0	76.2	
	P2	3/4"	F06	22.2	47.6	19.0	76.2	
T7DB(S)	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3 (M12x22)
		3/4"	F06	22.2	47.6	19.0	74.7	
	P2	1"	F08	26.2	52.4	25.4	74.7	
T67CB	P1	1"	F08	26.2	52.4	25.4	76.2	3/8"-16UNCx19.0
		3/4"	F06	22.2	47.6	19.0	76.2	
	S	2-1/2"	F20	50.8	88.9	63.5	84.1	
T67DB	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3
		3/4"	F06	22.2	47.6	19.0	76.2	
	S	3"	F24	61.9	106.4	76.2	88.9	
T67EB	P1	1-1/2"	F12	35.7	69.9	38.1	98.6	1/2"-13UNCx23.4
		3/4"	F06	22.2	47.6	19.0	76.2	
	S	3-1/2"	F28	69.9	120.7	88.9	102.4	
T7EB(S)	P1	1-1/2"	F12	35.7	69.9	38.1	98.6	1/2"-13UNCx23.4
		3/4"	F06	22.2	47.6	19.0	74.7	
	S	3-1/2"	F28	69.9	120.7	88.9	102.4	

安装连接尺寸/Installation Dimensions

T7DD(S)
T7ED(S)
T7EE(S)
T67DC
T67EC



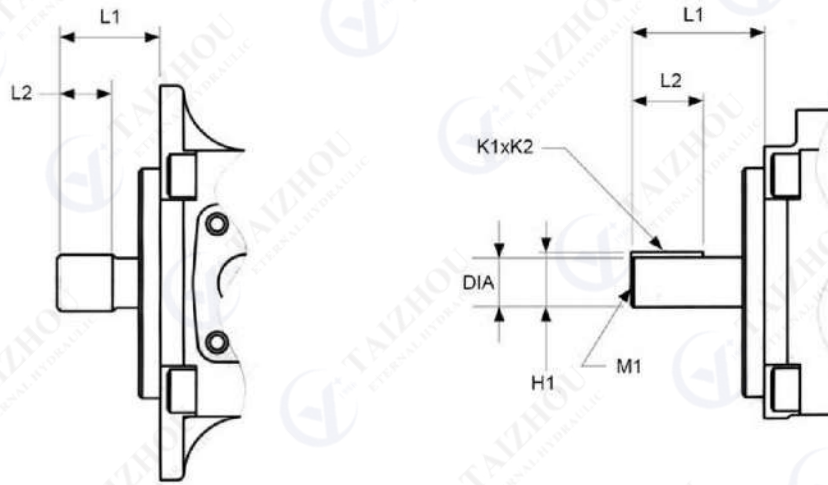
	T7DD	T7DDS	T67DC
E	38.3	38.3	38.1
F	148.3	148.3	114.3
G	347.7	347.7	286.0
I	134.2	134.2	109.5
J1	125.000	127.00	127.00
J2	124.937	126.95	126.95
N	180.0	181.0	181.0
O	213.0	213.0	212.4
ΦP	14.0	14.3	17.5

	T7ED	T7EDS	T67EC
E	52.3	52.3	52.3
F	133.5	133.5	118.5
G	361.0	361.0	331.6
I	148.2	148.2	136.7
J1	125.00	127.00	127.00
J2	124.94	126.95	126.95
N	180.0	181.0	181.0
O	213.0	213.0	213.0
ΦP	18.0	17.5	17.5

	T7EE	T7EES
E	42.9	42.9
F	167.3	167.3
G	406.8	406.8
I	157.9	157.9
J1	250.00	165.10
J2	249.93	165.05
N	224.5x224.5	224.5x224.5
O	273x273	273x273
ΦP	20.6	20.6

油口/Oil port	法兰 Flange	安装尺寸/Install Dimensions(mm)						
		A1	B1	ΦC1	D1	T1口螺纹 Thread		
T7DD(S)	P1	1-1/4"	F10	30.2	58.7	31.8	101.6	7/16"-14UNCx22.3
	P2	1-1/4"	F10	30.2	58.7	31.8	101.6	7/16"-14UNCx24
	S	4"	F32	77.8	130.2	101.6	114.9	5/8"-11UNCx30
T7ED(S)	P1	1-1/2"	F12	35.7	69.9	37.1	98.6	1/2"-13UNCx23.4
	P2	1-1/4"	F10	30.2	58.7	31.8	101.6	7/16"-14UNCx24
	S	4"	F32	77.8	130.2	101.6	102.4	5/8"-11UNCx30
T7EE(S)	P1	1-1/2"	F12	35.7	69.9	38.1	139.7	1/2"-13UNCx30
	P2	1-1/2"	F12	35.7	69.9	37.1	98.6	1/2"-13UNCx23.4
	S	4"	F32	77.8	130.2	101.6	115	5/8"-11UNCx30
T67DC	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3
	P2	1"	F08	26.2	52.4	25.4	74.7	3/8"-16UNCx19.0
	S	3"	F24	61.9	106.4	76.2	88.9	5/8"-11UNCx28.5
T67EC	P1	1-1/2"	F12	35.7	69.9	37.1	98.6	1/2"-13UNCx23.4
	P2	1"	F08	26.2	52.4	25.4	74.7	3/8"-16UNCx19.0
	S	3-1/2"	F28	69.9	120.7	88.9	102.4	5/8"-11UNCx29.5

安装连接尺寸/Installation Dimensions

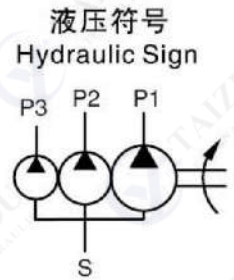
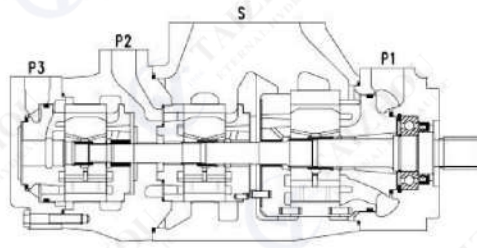


轴伸/Shaft extension

型号 Model	轴伸尺寸 Shaft code	最大扭矩 Max torque (N.m)	L1	L2	DIA	K1xK2	H1	M1
T7BB	5	●	70.0	40.0	25.006/24.993	8.00x7.00	28.22	-
T7BBS	1	238	58.2	31.7	22.225/22.200	4.76x4.71	24.53	-
	2	357	71.4	38.1	25.400/25.370	6.35x6.30	28.22	M8x16
	3	●	40.7	24.5	SAE J498b class1, Diametral pitch 16/32, 13T			-
	4	●	45.5	24.5	SAE J498b class1, Diametral pitch 16/32, 15T			-
T7DB	5	●	87.9	50.0	32.018/32.002	10.00x8.00	35.0	M10x20
T7DBS	1	●	83.6	49.3	31.75/31.70	7.94x7.89	35.27	M10x20
	2	●	73.2	38.1	31.75/31.70	7.94x7.89	35.27	-
	3	●	55.2	38.0	SAE J498b class1, Diametral pitch 12/24, 14T			-
	4	●	77.7	48.02	SAE J498b class1, Diametral pitch 12/24, 14T			-
T7DD	5	●	68.0	50.0	31.018/32.002	10.00x8.00	35.0	M10x20
T7DDS	1	●	84.0	49.3	31.75/31.70	7.94x7.89	35.27	M10x20
	2	●	91.0	50.8	38.10/38.05	9.52x9.47	40.36	M10x20
	3	●	56.0	38.0	SAE J498b class1, Diametral pitch 12/24, 14T			-
	4	●	46.0	24.5	SAE J498b class1, Diametral pitch 16/32, 15T			-
T7EB, T7ED	5	●	90.0	50.0	38.018/38.002	10.00x8.00	41.3	M10x20
T7EBS, T7EDS	1	●	90.9	50.8	38.10/38.05	9.52x9.47	42.36	M10x20
	2	●	61.9	38.1	31.75/31.70	7.94x7.89	35.27	-
	3	●	55.9	38.1	SAE J498b class1, Diametral pitch 12/24, 14T			-
	4	●	62.2	31.5	SAE J498b class1, Diametral pitch 12/24, 17T			-
T7EE	2	●	92.0	63.0	45.000/44.975	14.00x9.00	48.5	M12x24
T7EES	1	●	90.9	63.5	38.100/38.075	9.52x9.47	42.36	M10x20
	3	●	62.2	31.5	SAE J498b class1, Diametral pitch 12/24, 17T			-
T67CB, T6CC	4	●	75.0	48.8	SAE J498b class1, Diametral pitch 8/16, 13T			-
	1	238	58.2	31.7	22.225/22.200	4.76x4.71	24.53	-
	2	357	71.4	38.1	25.400/25.370	6.35x6.30	28.22	M8x16
	3	545	45.5	24.5	SAE J498b class1, Diametral pitch 16/32, 15T			-
	5	343	40.7	24.5	SAE J498b class1, Diametral pitch 16/32, 13T			-
T67DB, T67DC, T6DC	1	721	83.6	49.3	31.750/31.700	7.94x7.89	35.27	M10x20
	2	577	73.2	38.1	31.750/31.700	7.94x7.89	35.27	-
	3	●	55.2	38.0	SAE J498bclass1, Diametral pitch 12/24, 14T			-
	4	●	77.7	48.0	SAE J498b class1, Diametral pitch 12/24, 14T			-
	5	●	83.4	60.0	34.900/34.875	7.94x7.89	38.42	M8x16
T67EB, T67EC, T6EC, T6ED	1	●	90.9	50.8	38.100/38.050	9.52x9.47	42.36	M10x20
	2	577	61.9	38.1	31.750/31.700	7.94x7.89	35.27	-
	3	●	55.7	38.0	SAE J498b class1, Diametral pitch 12/24, 14T			-
	4	●	62.2	31.5	SAE J498bclass1, Diametral pitch 12/24, 17T			-

● 能在最大流量，最高压力下工作
Work at maximum flow and pressure.

T6, T67, T7 系列三联泵 Series Treble pumps



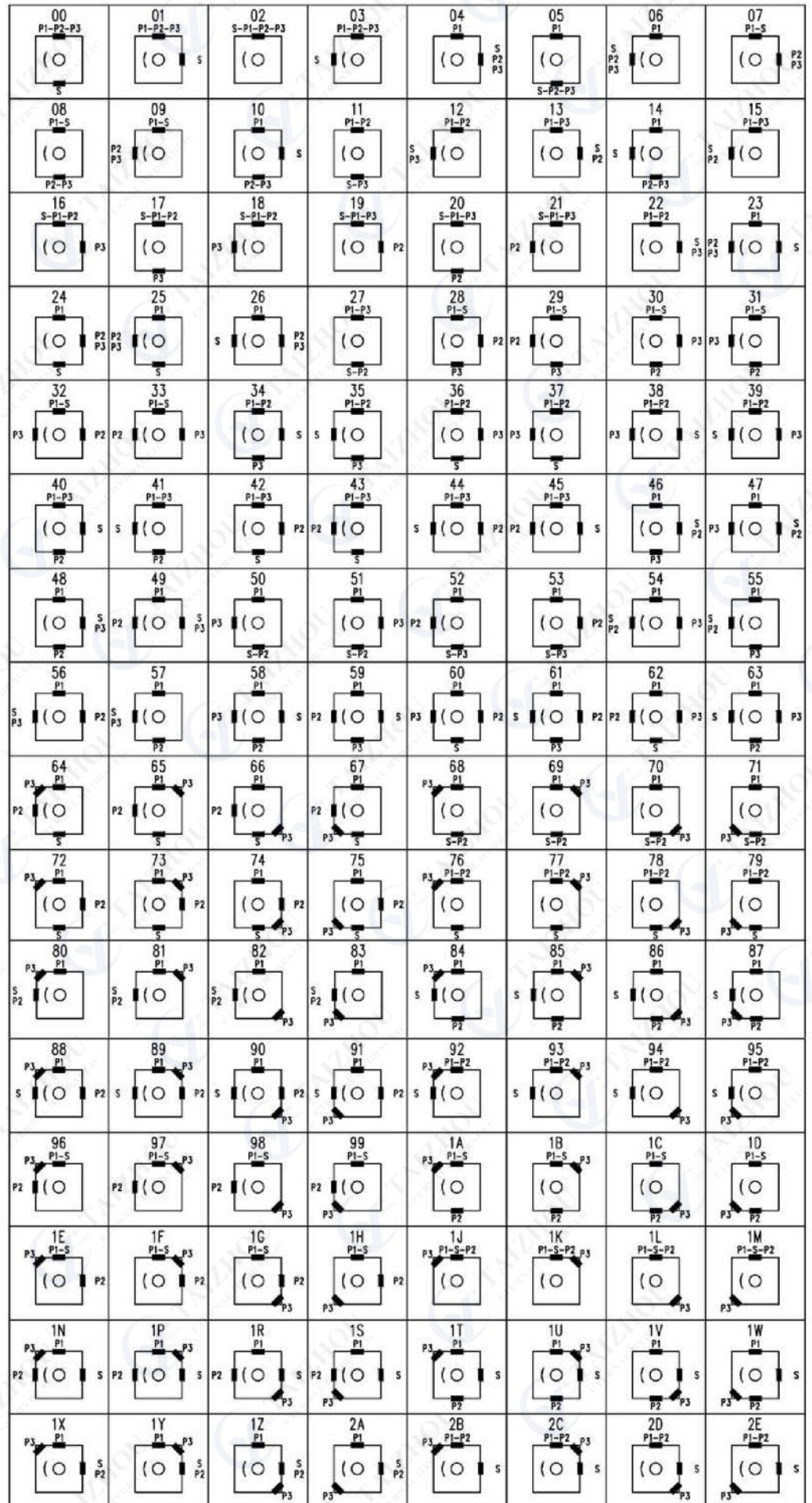
型号说明/Model Designation

T6DCC	(M)	-042	-017	-010	-1	R	02	-A	1	01
系列号 Series	类别代号 Type Code	轴端泵排量代号 Flow-shaft end Pump	中间泵排量代号 Flow-mid pump	盖端泵排量代号 Flow-cover end pump	轴伸形式 Shaft type	旋转方向 Rotation	油口位置 Port positions	设计号 Design number	密封等级 Sealing Level	油口尺寸 Port dimensions
T67DBB (S)		014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						无此选项 NO
T67DCB (S)	无: 工业用型	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15		从泵的 轴端看				
T6DCC	M: 车用型 S: 车用型 采用SAE J744c 安装法兰	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31		R-顺时针 旋转 L-逆时针 旋转				00、01, 见安装连接 尺寸 See installation dimensions
T67DDBS	NO: industrial type	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	见轴伸 尺寸 See size of shaft	Viewed from shaft end of pump R- right hand for clockwise L- left hand for counter- clockwise	见下图 see picture below	A	1-S1, 丁腈橡胶 NBR Nitrile rubber 5-S5, 氟橡胶 Fluororubber	无此选项 NO
T6DDC	M: truck type S: truck type use SAE SAE C J744 installation flange	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31						00、01, 见安装连接 尺寸 See installation dimensions
T6EDB (S)		042, 045, 050, 052, 057, 062, 066, 072, 085	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						无此选项 NO
T6EDC		042, 045, 050, 052, 057, 062, 066, 072, 085	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31						00、01, 见安装连接 尺寸 See installation dimensions

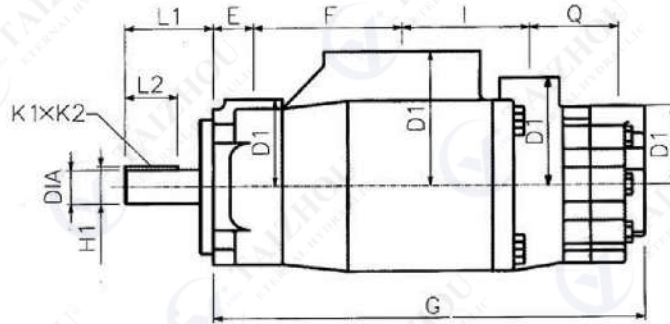
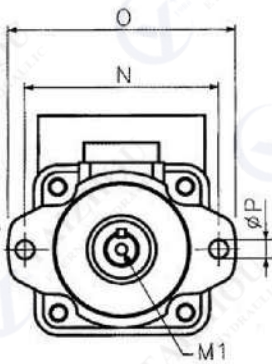
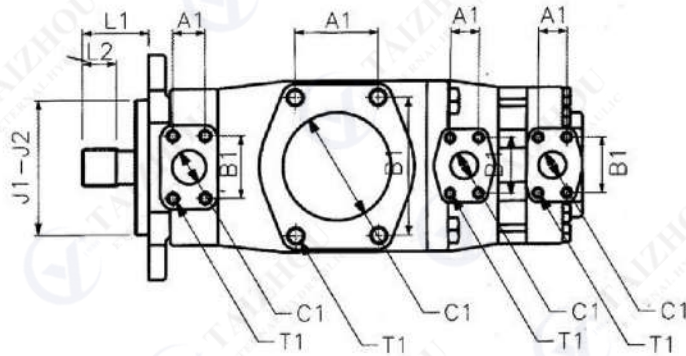
003/B03 排量代号中0表示单转向型配流侧板结构, B表示双转向型配流侧板结构; 与相应系列、规格的T6单泵性能参数一致, 详见T6系列单泵的性能参数
In displacement code, 0 means single steering valve plate structure, B means the two steering valve plate structure.
The data of relevant series ,model are unanimous.Please see T6 series-single pumps data

油口位置(从泵的轴端看)/Port positions(Viewed from shaft end of pump)

- T67DBB(S)
- T67DCB(S)
- T6DCC
- T67DDBS
- T6DDC
- T6EDB(S)
- T6EDC



安装连接尺寸/Installation Dimensions



T6DCC T67DCB(S) T67DBB(S)	
E	38.1
F	138.0
G	404.0
I	119.3
J1	127.00
J2	126.95
N	181.0
O	212.4
ΦP	17.5
Q	84.4

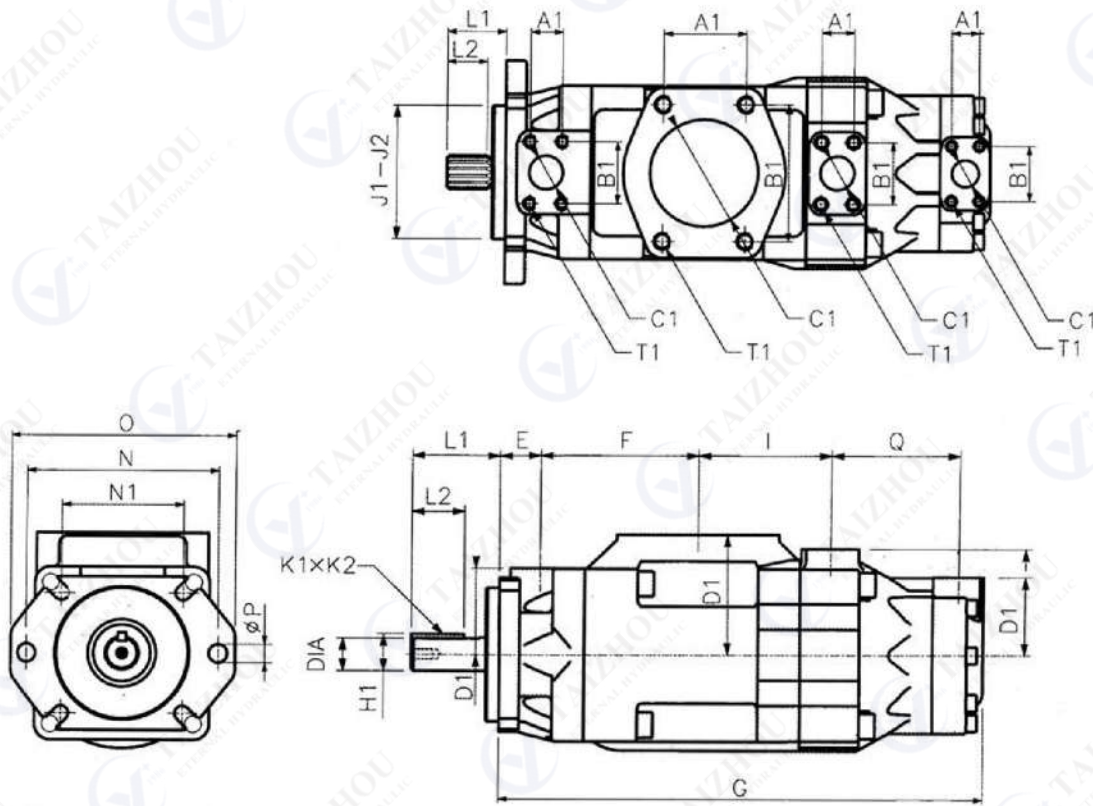
轴伸/Shaft extension

型号 Model	轴伸代号 Shaft code	最大扭矩 Max torque (N.m)	L1	L2	DIA	K1xK2	H1	M1
T67DBB(S) T67DCB(S) T6DCC	1	721	83.6	49.3	31.750/31.700	6.35x6.30	34.6	-
	2	1108	89.7	50.8	38.100/38.075	9.52x9.47	42.4	-
	3	●	55.2	38.0	SAE J498b 1级class, 径节Diametral pitch12/24, 14T			-
	4	●	61.0	31.5	SAE J498b 1级class, 径节Diametral pitch12/24, 17T			-
T6DCC	5	●	76.0	48.0	SAE J498b 1级class, 径节Diametral pitch12/24, 14T			-

- 能在最大流量，最高压力下工作。
work at maximum flow and pressure.

油口/Oil port			法兰 Flange	安装尺寸/Install Dimensions(mm)				
				A1	B1	ΦC1	D1	T1口螺纹Thread
T67DBB T67DCB	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3
	P2	1"	F08	26.2	52.4	25.4	101.6	3/8"-16UNCx19.0
	P3	3/4"	F06	22.2	47.6	19.0	74.7	3/8"-16UNCx19.0
	S	4"	F32	77.8	130.2	101.6	127	5/8"-11UNCx30.0
T6DCC	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3
	P2	1"	F08	26.2	52.4	25.4	101.6	3/8"-16UNCx19.0
	P3	01: 3/4"	F06	22.2	47.6	19.0	74.7	3/8"-16UNCx19.0
	P3	00: 1"	F08	26.2	52.4	25.4	74.7	3/8"-16UNCx19.0
	S	4"	F32	77.8	130.2	101.6	127	5/8"-11UNCx30.0

安装连接尺寸/Installation Dimensions



T6DDCS T67DDBS	
E	38.1
F	148.5
G	455.0
I	125.0
J1	127.00
J2	126.95
N	181.0
O	213.0
ΦP	17.5
Q	120.0

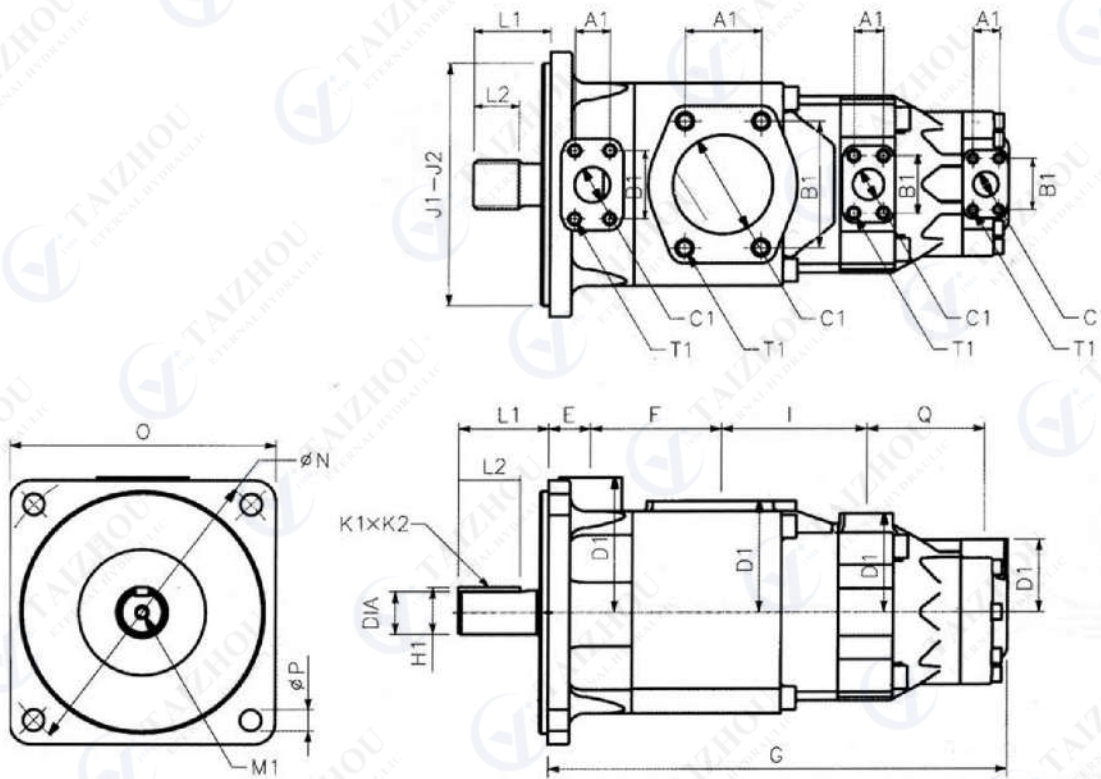
轴伸/Shaft extension

型号Model	轴伸代号 Shaft code	最大扭矩 Max torque (N.m)	L1	L2	DIA	K1xK2	H1	M1
T67DDBS T6DDCS	1	686	84.0	49.3	31.750/31.700	7.94x7.89	35.27	M10x20
	2	1148	91.0	50.8	38.100/38.075	9.52x9.47	42.36	M10x20
	5	883	84.0	60.0	34.900/34.850	7.94x7.89	38.42	M10x20
	3	971	56.0	38.0	SAE J498b 1级class, 径节Diametral pitch 12/24, 14T			-
	4	●	62.0	31.5	SAE J498b 1级class, 径节Diametral pitch 12/24, 17T			-

- 能在最大流量，最高压力下工作。
work at maximum flow and pressure.

	油口/Oil port	法兰 Flange	安装尺寸/Install Dimensions(mm)					
			A1	B1	ΦC1	D1	T1口螺纹Thread	
T67DDBS	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3
	P2	1-1/4"	F10	30.2	58.7	31.8	101.6	7/16"-14UNCx24.0
	P3	3/4"	F06	22.2	47.6	19.0	74.7	3/8"-16UNCx19.0
	S	4"	F32	77.8	130.2	101.6	115.0	5/8"-11UNCx30.0
T6DDCS	P1	1-1/4"	F10	30.2	58.7	31.8	82.6	7/16"-14UNCx22.3
	P2	1-1/4"	F10	30.2	58.7	31.8	101.6	7/16"-14UNCx24.0
	P3	01: 3/4"	F06	22.2	47.6	19.0	74.7	3/8"-16UNCx19.0
	P3	00: 1"	F08	26.2	52.4	25.4	74.7	3/8"-16UNCx19.0
	S	4"	F32	77.8	130.2	101.6	115.0	5/8"-11UNCx30.0

安装连接尺寸/Installation Dimensions



T6EDC	
E	42.9
F	133.3
G	468.0
I	148.4
J1	250h8
J2	250h8
ΦN	315.0
O	273.0
ΦP	22.0
Q	120.0

T6EDCS T67EDB(S)	
E	42.9
F	133.3
G	468.0
I	148.4
J1	165.10
J2	165.05
ΦN	315.0
O	273.0
ΦP	22.0
Q	120.0

轴伸 Shaft extension

型号Model	轴伸代号 Shaft code	最大扭矩 Max torque (N.m)	L1	L2	DIA	K1xK2	H1	M1
T67EDB, T6EDC T6EDCS	1	●	92.0	63.0	45h7	14h7x9	48.5	M12x24
T6EDCS	2	●	100.0	63.5	44.45/44.40	11.11x11.06	49.3	1/2-UNCx24
	3	●	75.0	48.8	SAE J498b 1级 class, 径节Diametral pitch8/16, 13T			-

- 能在最大流量，最高压力下工作。
work at maximum flow and pressure.

油口/Oil port			法兰 Flange	安装尺寸/Install Dimensions(mm)				
				A1	B1	ΦC1	D1	T1口螺纹Thread
T67EDB	P1	1-1/2"	F12	35.7	69.9	37.1	139.7	1/2"-13UNCx30.0
	P2	1-1/4"	F10	30.2	58.7	31.8	101.6	7/16"-14UNCx24.0
	P3	3/4"	F06	22.2	47.6	19.0	74.7	3/8"-16UNCx19.0
	S	4"	F32	77.8	130.2	101.6	115.0	5/8"-11UNCx30.0
T6EDC T6EDCS	P1	1-1/2"	F12	35.7	69.9	37.1	139.7	1/2"-13UNCx30.0
	P2	1-1/4"	F10	30.2	58.7	31.8	101.6	7/16"-14UNCx24.0
	P3	01: 3/4"	F06	22.2	47.6	19.0	74.7	3/8"-16UNCx19.0
	P3	00: 1"	F08	26.2	52.4	25.4	74.7	3/8"-16UNCx19.0
	S	4"	F32	77.8	130.2	101.6	115.0	5/8"-11UNCx30.0

T6GC, T7GB, T6GCC, T67GCB, T7GBB

系列柱销式叶片泵 Series pin Vane Pumps

适用于工程机械特别是行走机械的高压高性能柱销式叶片泵。

主要特点为：

- 1、改进的轴承结构及矩形花键轴设计，可以由发动机或变速箱直接驱动。
- 2、双油封结构，适应行走机械的恶劣环境。
- 3、采用插装式结构，泵芯与T6C及T7B叶片泵泵芯完全互换，维修方便。

The high pressure and high performance pin type vane pump is applicable to engineering machinery, especially to mobile machinery.

The main features:

- 1.The improved bearing structure and rectangle spline shaft design can be driven by motor or gearbox directly.
- 2.Double shaft seal structure, is fit for bad situations of mobile machinery.
- 3.Adopt insert structure, the cartridge kit of T6C and T7B can be interchangeable completely, very convenient for repair.

T6GC, T7GB 系列单泵 Series single pumps



液压符号
Hydraulic Sign



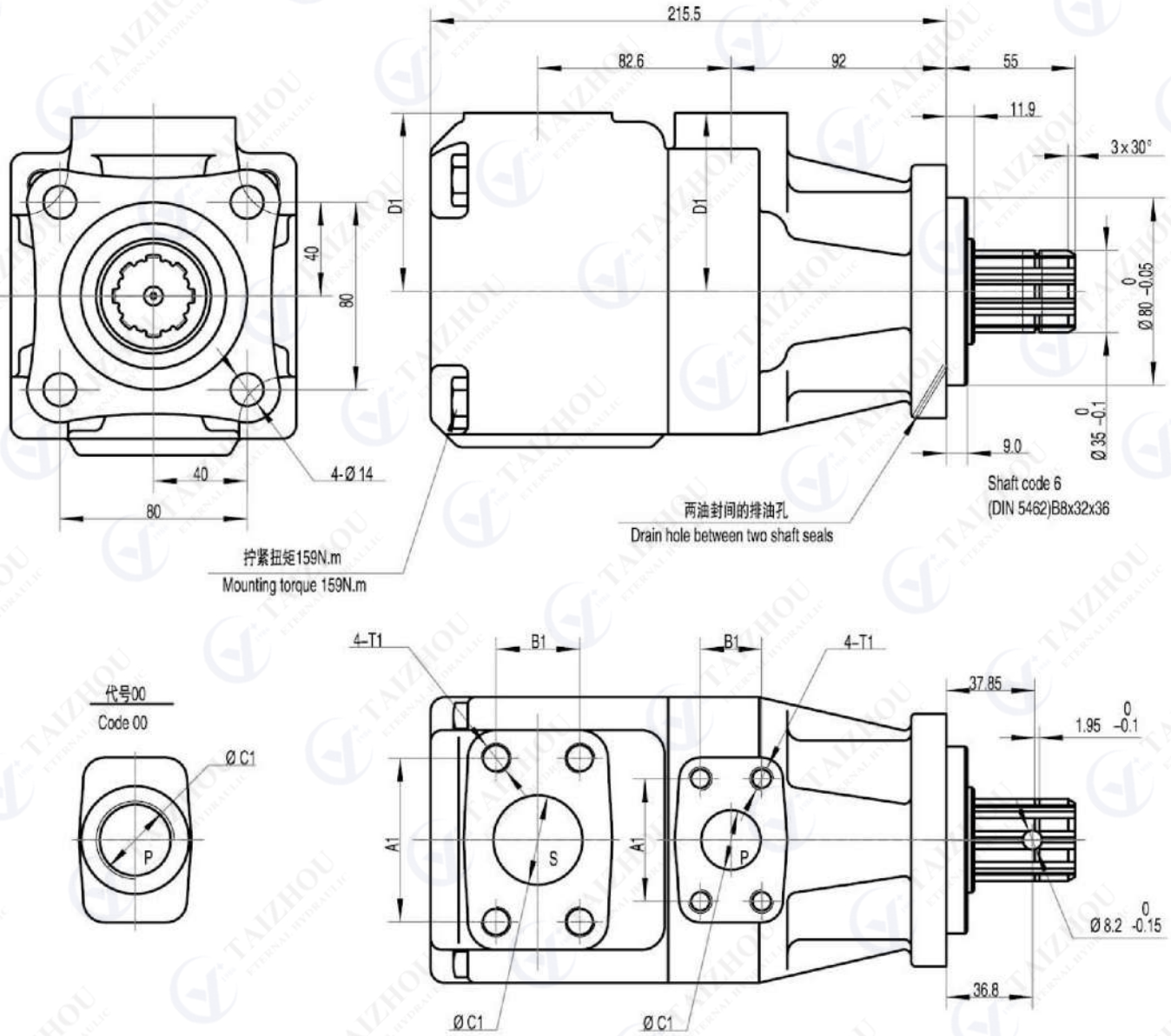
型号说明/Model Designation

T6GC	-B10	-6	R	00	-A	1	01
系列号 Series	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	出油口位置 Outlet Positions	设计号 Design number	密封等级 Sealing Level	油口尺寸 Port dimensions
T6GC	B03, B05, B06, B08, B10, B12, B14, B17, B20, B22, B25, B28, B31	见轴伸尺寸 See size of shaft	从泵的轴端看 Viewed from shaft end of pump R-顺时针旋转 right hand for clockwise L-逆时针旋转 left hand for counter-clockwise	(从泵的轴端看) (Viewed from shaft end of pump) 00-进油口对面 Opposite inlet port 01-进油口同侧 Inline with inlet 02-从进油口逆时针90° 90° CCW from inlet 03-从进油口顺时针90° 90° CW from inlet	A	1-S1, 丁腈橡胶 NBR Nitrile rubber 5-S5, 氟橡胶 Fluororubber	00: 法兰螺纹 Flange 1"BSPP 01: SAE法兰四螺孔 Flange SAE 4 bolts(UNC) 见安装连接尺寸 See installation dimensions
T7GB	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						

B03 排量代号中B表示双转向型配流侧板结构; 与相应系列、规格的T6单泵性能参数一致, 详见T6系列单泵的性能参数
B means the two steering valve plate structure.
The data of relevant series, model are unanimous. Please see T6 series-single pumps data.

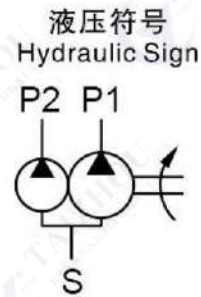
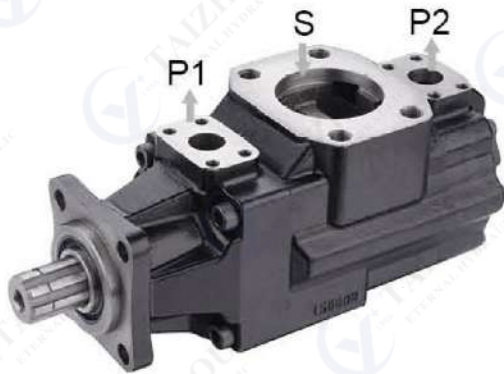
安装连接尺寸/Installation Dimensions

T6GC、T7GB



油口/Oil port		法兰 Flange	安装尺寸/Install Dimensions(mm)					
			A1	B1	$\varnothing C1$	D1	T1口螺纹Thread	
T6GC T7GB	P	01: 1"	F08	26.2	52.4	25.4	76.2	3/8"-16UNCx19.0
		00: 1"BSPP	-	-	-	1"BSPP	79.5	-
	S	1-1/2"	F12	35.7	69.9	38.1	76.2	1/2"-13UNCx22.4

T6GCC, T67GCB, T7GBB 系列双联泵 Series Double Pumps



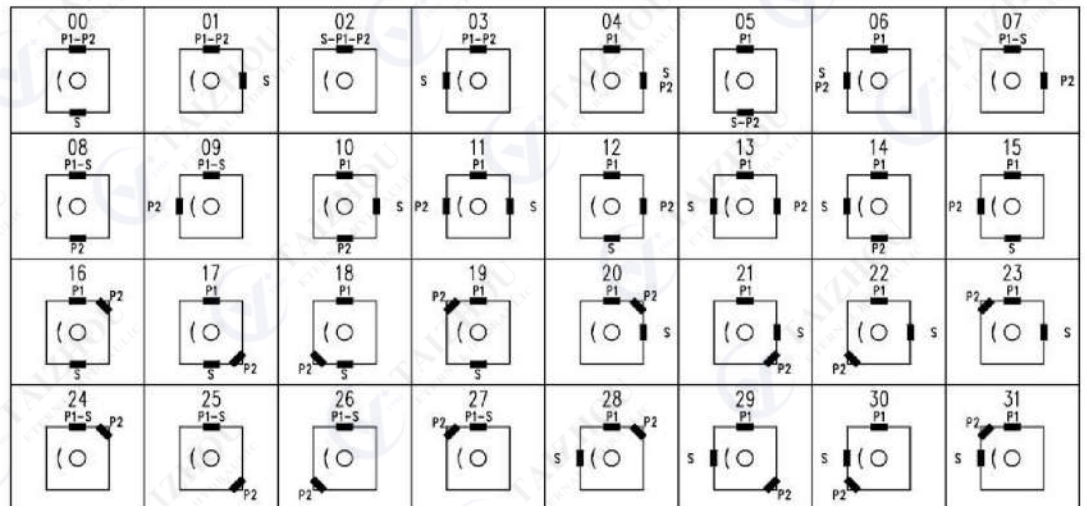
型号说明/Model Designation

T6GCC	-B25	-B17	-6	R	02	-B	1	10
系列号 Series	轴端泵排量代号 Flow-shaft end Pump	盖端泵排量代号 Flow-cover end Pump	轴伸形式 Shaft type	旋转方向 Rotation	油口位置 Port Positions	设计号 Design number	密封等级 Sealing Level	油口尺寸 Port dimensions
T6GCC	B03, B05, B06, B08, B10, B12, B14, B17, B20, B22, B25, B28, B31	B03, B05, B06, B08, B10, B12, B14, B17, B20, B22, B25, B28, B31	见轴伸尺寸 See size of shaft	从泵的轴端看 Viewed from shaft end of pump R-顺时针旋转 right hand for clockwise L-逆时针旋转 left hand for counter-clockwise	见下图 see below	B	1-S1, 丁腈橡胶 NBR Nitrile rubber 5-S5, 氟橡胶 Fluororubber	00, 01, 10, 11 见安装连接尺寸 See installation dimensions
T67GCB	B03, B05, B06, B08, B10, B12, B14, B17, B20, B22, B25, B28, B31	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						
T7GBB	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						

B03 排量代号中B表示双转向型配流侧板结构; 与相应系列、规格的T6单泵性能参数一致, 详见T6系列单泵的性能参数
B means the two steering valve plate structure.
The data of relevant series, model are unanimous. Please see T6 series-single pumps data.

油口位置(从泵的轴端看)/Port positions(Viewed from shaft end of pump)



T6GCC
T7GBB
T67GCB



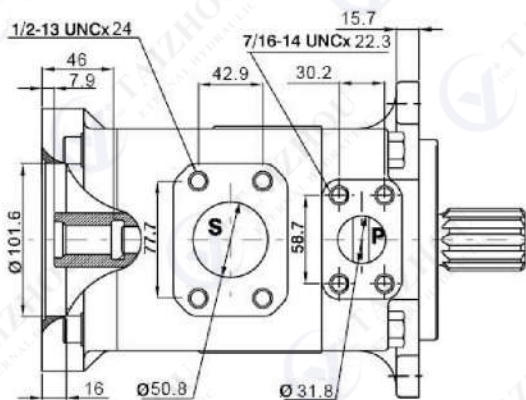
T6DR 系列通轴式叶片泵 Series Vane Pumps



型号说明/Model Designation

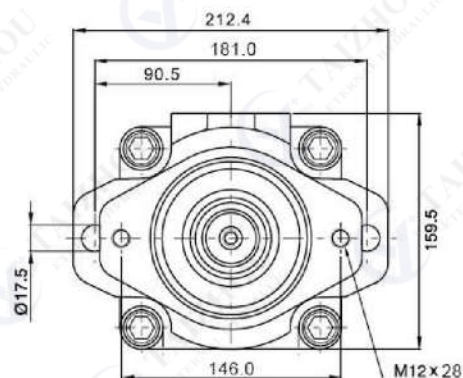
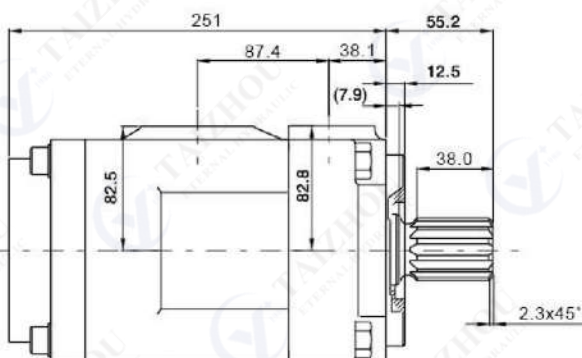
T6DR	-014	-3	R	00	B20	-A	1
系列号 Series	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	出油口位置 Outlet positions	转接口位置 Porting adaptor	设计号 Design number	密封等级 Sealing Level
T6DR	014, 017, 020, 024, 028, 031, 035, 038, 042, 045, 050, 061	3花键轴 Splined (SAE C)	(从泵的轴端看) (Viewed from shaft end of pump) R-顺时针旋转 right hand for clockwise L-逆时针旋转 left hand for counter-clockwise	(从泵的轴端看) (Viewed from shaft end of pump) 00-进油口对面 Opposite inlet port 01-进油口同侧 Inline with inlet 02-从进油口逆时针90° 90° CCW from inlet 03-从进油口顺时针90° 90° CW from inlet	B20 P  B21 P 	A	1-S1, 丁腈橡胶 NBR Nitrile rubber 5-S5, 氟橡胶 Fluororubber

安装连接尺寸/Installation Dimensions

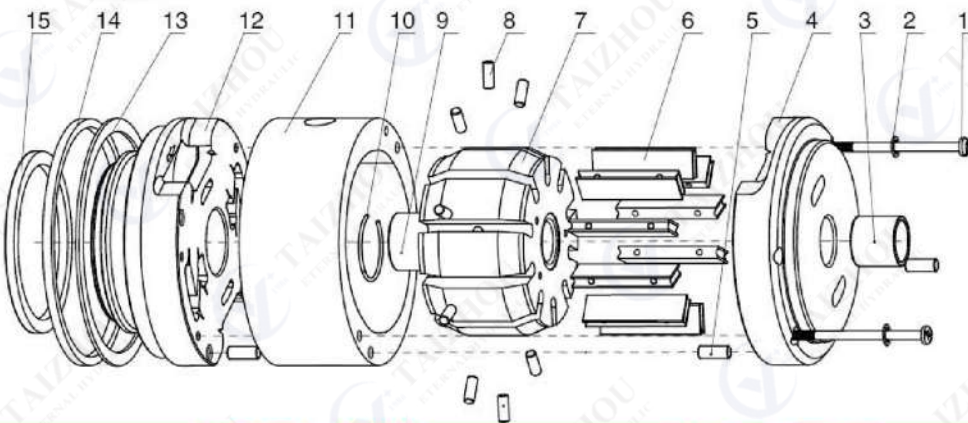
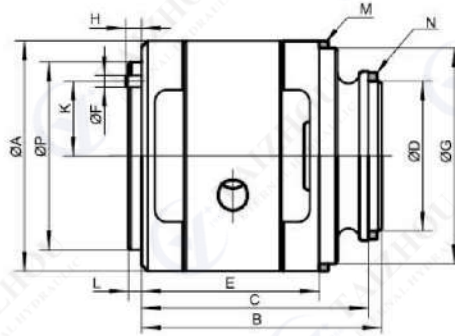


Shaft code 3

SAE C SPLINED SHAFT
CLASS 1-J498 b
12/24 d.p. - 14 TEETH
30° PRESSURE ANGLE
FLAT ROOT SIDE FIT



T6, T7 系列泵芯 Series cartridge



序号 NO.	名称 Part	数量 Qty
1	一字槽盘头螺钉 slotted pan head screw	2
2	内齿锁紧垫圈 internal tooth seal kit	2
3	滑动轴承 sliding bearing	1
4	侧板 inlet support plate	1
5	销 Pin	3

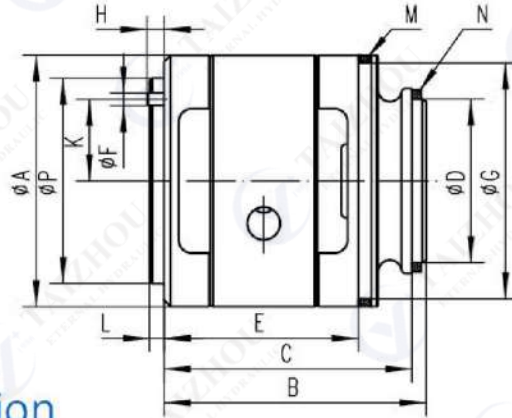
序号 NO.	名称 Part	数量 Qty
6	叶片 kit vane	10 or 12
7	转子 rotor	1
8	柱销 Pins	10 or 12
9	密封套 Seal bush	1
10	孔用钢丝挡圈 Roundwire snap rings for hole	1

序号 NO.	名称 Part	数量 Qty
11	定子 cam ring	1
12	压力侧板 outlet support plate	1
13	挡圈 retainer	1
14	矩形密封圈 rectangle seal kit	1
15	矩形密封圈 rectangle seal kit	1

型号说明/Model Designation

前泵芯 泵芯名称 Cartridge name	T6DC 系列号 Series	-045 排量代号 Flow code	R 旋转方向 Rotation	1 密封等级 Sealing Level
单泵芯 前泵芯 (双联泵或三联泵轴端泵芯)	T7B(S), T7BB(S), T67CB, T67DB, T67EB, T67DBB, T67DCB, T67DDBS, T67EDB	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	从泵的轴端看 Viewed from shaft end of pump	1-S1, 丁腈橡胶 NBR Nitrile rubber
	T7D(S), T7DB(S), T7ED(S), T67DC, T67ED	B14, B17, B20, B22, B24, B28, B31, B35, B38, B42		
中泵芯 (三联泵中间泵芯)	T7E(S), T7EE(S), T7ED(S)	042, 045, 050, 052, 054, 057, 062, 066, 072, 085	R-顺时针旋转 right hand for clockwise	5-S5, 氟橡胶 Fluororubber
后泵芯 (双联泵或三联泵盖端泵芯)	T6C, T6CC, T67CB, T6DC, T6EC, T6DCC, T67DCB, T6DDCS, T6EDC(S)	003/B03, 005/B05, 006/B06, 008/B08, 010/B10, 012/B12, 014/B14, 017/B17, 020/B20, 022/B22, 025/B25, 028/B28, 031/B31	L-逆时针旋转 left hand for counter-clockwise	
	T6D, T6DC, T67DB, T6ED, T6DCC, T67DBB, T67DCB, T6DDCS, T67DDBS, T6EDC(S), T67EDB	014/B14, 017/B17, 020/B20, 024/B24, 028/B28, 031/B31, 035/B35, 038/B38, 042/B42, 045/B45, 050/B50, 061		
	T6E, T6EC, T67EB, T6ED, T6EDC(S), T67EDB	042, 045, 050, 052, 057, 062, 066, 072, 085		

003/B03 排量代号中0表示单转向型配流侧板结构, B表示双转向型配流侧板结构; 与相应系列、规格的T6单泵性能参数一致, 详见T6系列单泵的性能参数。
In displacement code, 0 means single steering valve plate structure, B means the two steering valve plate structure. The data of relevant series ,model are unanimous.Please see T6 series-single pumps data.



型号说明/Model Designation

泵芯名称 Cartridge name	滑动轴承内径 Sliding bearing diameter	ΦA	B	C	ΦD	E	ΦF	ΦG	H	K	M(橡胶平垫圈 Rubber washer)	N(橡胶平垫圈 Rubber washer)	ΦP	L
单泵芯T6C, T7B(S)	Φ15.90													
前泵芯T6CC, T67CB, T7BB(S)	无滑动轴承													
后泵芯T6CC, T7BB(S), T67CB, T6DCC, T67DBB, T67DCB, T6DDCS, T67DDBS, T6EDC(S), T67EDB	Φ19.05	95.25	99.4	93.9	61.9	72.1	4.8	89.1	4.8	43.7	88.5×3.53	60×3.53	77.7	5.5
后泵芯T6DC, T7DB(S), T7EB(S), T67DB, T67DC, T6EC, T67EC, T67EB	Φ22.225													
中泵芯T6DCC, T67DBB, T67DCB	无滑动轴承	95.25	83.4	77.3	52.6	-	4.8	-	4.8	43.7	89×2.4	52×2.4	77.7	5.5
单泵芯T6D, T7D(S), 前泵芯T6DCC, T67DBB, T67DCB	Φ22.225													
前泵芯T6DC, T67DB, T7DB(S), T7DD(S), T67DC, T6DDCS, T67DDBS	无滑动轴承	123.0	132.4	125.8	71.9	102.2	6.4	108.1	8.0	41.2	107.5×3.53	69.5×3.53		
后泵芯T6ED, T7DD(S) 中泵芯T6EDC(S), T67EDB	Φ28.6													
中泵芯T6DDCS, T67DDBS 后泵芯T7DD(S)	Φ22.225													无此台阶
单泵芯T6E, T7E(S)	Φ28.6													
前泵芯T6ED, T6EC, T67EB, T7EB(S), T7ED(S), T7EE(S), T6EDC(S), T67EDB, T67EC	无滑动轴承	143.08	150.3	142.5	88.0	113.0	8.0	137.0	8.0	49.2	136.1×3.53	85.3×3.53		

泵芯名称 Cartridge name	转子内花键齿廓参数 Inside spline tooth outline parameter of rotor				
	齿数 Number of teeth	径节 Pitch	压力角 Pressure angle	大径 Major diameter	小径 Minor diameter
前泵芯T6CC, T7BB(S), T67CB 中泵芯T6DCC, T67DBB, T67DCB	32	40/80	45°	21.41	19.9
单泵芯T6C, T7B(S) 后泵芯T6CC, T7BB(S), T7DB(S), T7DD(S), T7EB(S), T67CB, T6DC, T67DB, T6EC, T67EB, T67DC, T67EC, T6DCC, T67DBB, T67DCB, T6DDCS, T67DDBS, T6EDC(S), T67EDB	28	40/80	45°	18.87	17.4
单泵芯T6D 前泵芯T6DC, T67DB, T6DCC, T67DBB, T67DCB, T6DDCS, T67DDBS, 中泵芯T6EDC(S), T67EDB 后泵芯T6ED, T7ED(S), T7EE(S)	25	24/48	45°	28.19	25.8
中泵芯T6DDCS, T6DDBS	20	24/48	45°	22.89	20.5
单泵芯T6E, T7E(S) 前泵芯T6EC, T67EB, T6ED, T6EDC(S), T67EDB	34	24/48	45°	37.72	35.4



■ VP系列单泵 VP Series Single Pump

VP1	-20	-A3	-S1	-R
系列号 Series No	流量 Flow L/min	调压范围 Pressure Adj. Range (bar)	Shaft 轴径	旋向Rotation (从轴端看-Viewed from Shaft end)
VP1	8,12,15,20	A1: 08~25 A2: 20~45 A3: 40~70	S1: Φ12.7(Standard) S2: Φ15.875 S3: Spline Shaft	R: 顺时针 (标准) R: Right (Standard)
VP2	25,30,40,45		S1: Φ19.05 S3: Spline Shaft	
HVP	30,40	A2: 20~110 A3: 70~140	S1: Straight平键 S3: Spline花键	

■ 性能参数 Specifications

型号 Model	最高压力(bar) Max Pressure	排量(ml/r) Displacement	转速 Speed (r/min)		油口尺寸 Port Size (PT)			重量 Weight (Kg) 法兰型 Flange	
			最低 Min	最高 Max	出口口 Outlet	进油口 Inlet	泄油口 DR		
VP1-08	70	4.4	800	1800	3/8"	1/2"	1/4"	5	
VP1-12		6.7							
VP1-15		8.3							
VP1-20		11.1							
VP2-25		13.9			1/2"	3/4"	1/4"		9.5
VP2-30		16.7							
VP2-40		22.2							
VP2-45		25							
HVP-30	140	16.7	1/2"	3/4"	3/8"	10			
HVP-40		22.2							

■ VUP法兰式叶片泵 VUP Flange Type Vane Pump

VUP	-08	-A3	-02
系列号码 Series number	排量 Displacement(ml/r)	调压范围 Pressure adj.range(bar)	轴设计代号 Shaft design number
法兰式变量叶片泵 Flange Type variable vane pump	08,12,16,23	A1: 08~20 A2: 15~35 A3: 30~55 A4: 50~70	02:平键 02: Straight shaft 03:花键 03: Spline shaft



VUP

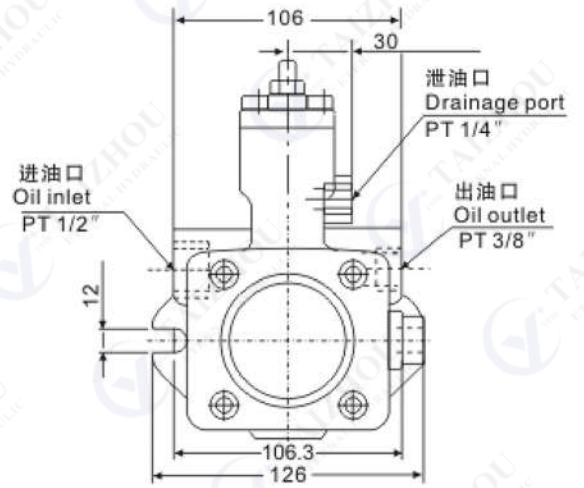
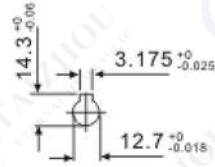
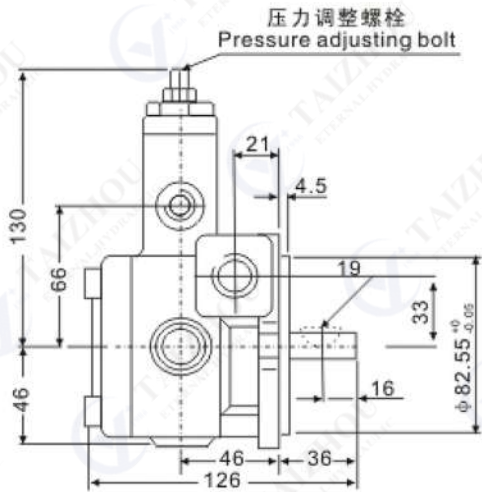
■ 性能参数 Specifications

型号 Model	几何排量 Geometric displ. (ml/rev)	最大压力 Max.pressure (bar)	调压范围 Pressure adj.range (bar)	转速 Speed of rotation (rpm)	
				最大 Max.	最小 Min.
VUP-08-A*-**	8	70	A1:8~20(8) A2:15~35(15) A3: 30~55(30) A4: 50~70(50)	1800	800
VUP-12-A*-**	12				
VUP-16-A*-**	16				
VUP-23-A*-**	23				

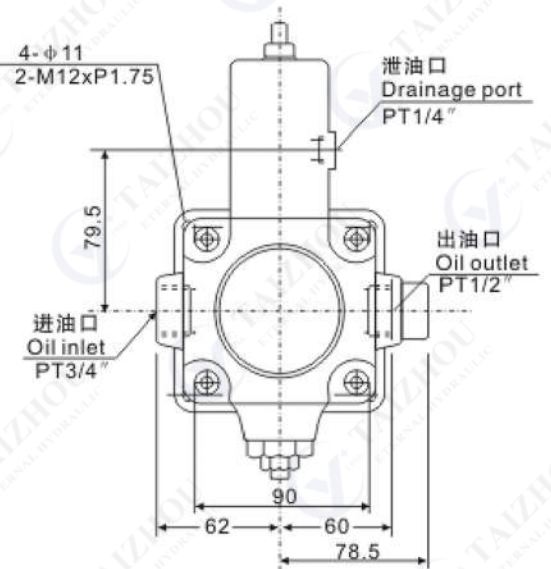
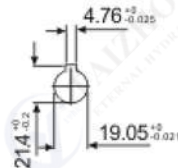
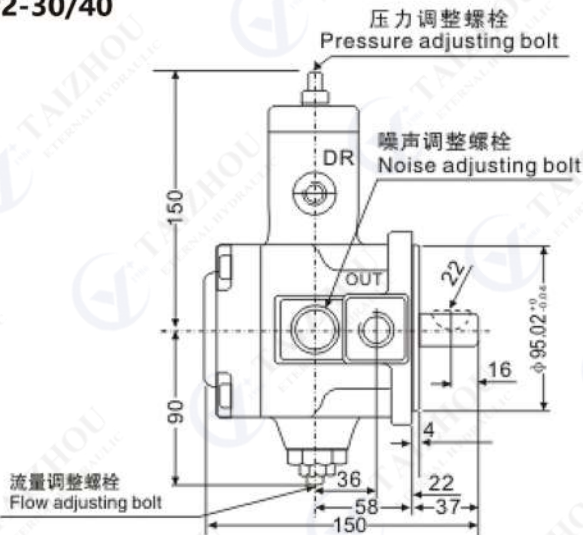
备注：括号内的压力值为出厂时设定的压力值。
Note: The value in the brackets are the preset value in the factory.

■ VP尺寸图 VP Dimension

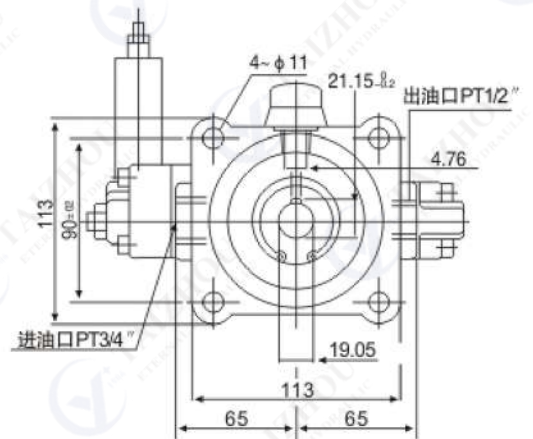
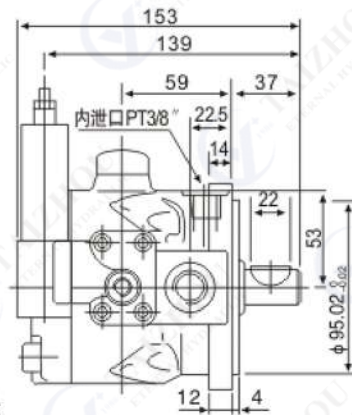
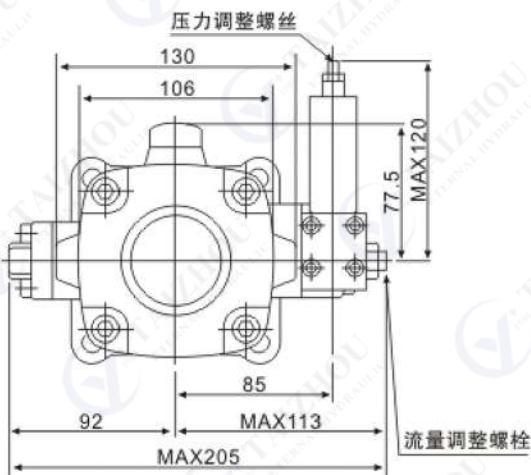
VP1-08/12/15/20



VP2-30/40



■ HVP尺寸图 HVP Dimensions



■ VP双联变量叶片泵（低压型）VP Double-Variable Vane Pump(Low Pressure)
VP20-20/VP30-30系列Series

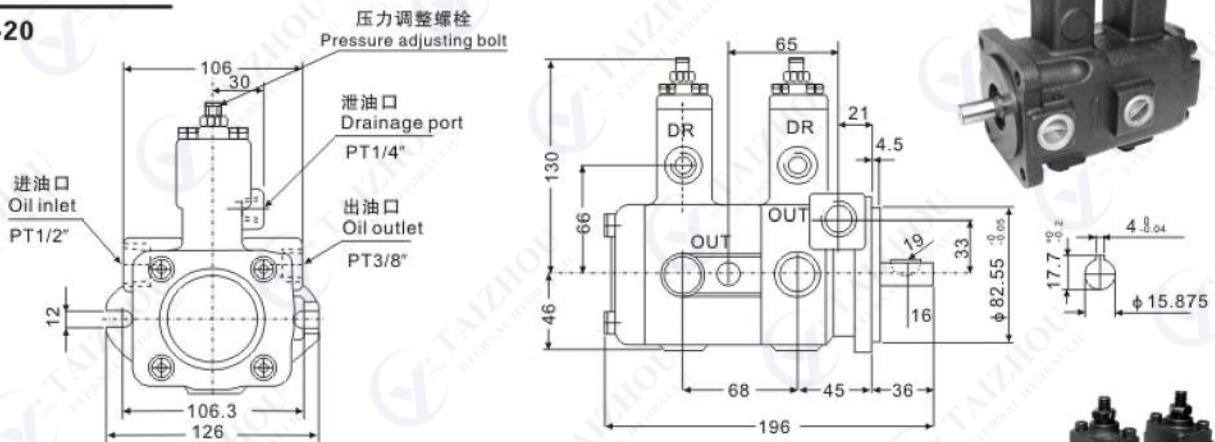
VP	-3030	F	-A3	-A3
系列号码 Series number	流量 Flow(L/min)	安装型式 Installation type	前泵压力调整范围 Front pump pressure adj. range(Bar)	后泵压力调整范围 Rear pump pressure adj. range(Bar)
变量叶片双联泵 Variable double vane pump	-0808,-1212,-1515 -2020,-2525,-3030 -4040	F: 法兰式 F: Flange mounting	A1: 08~25 A2: 20~45 A3: 40~70	A1: 08~25 A2: 20~45 A3: 40~70

■ 性能参数 Specification

型号 Model	最高使用压力 The Max(Mpa) Working Pressure	排量 MI/Rev Displacement	无负荷时之流量L/min No-load flow L/min		压力调整范围 Pressure (Mpa) adjusting range	转速r/min Speed r/min		重量KG Weight 法兰式 Flange
			1500rpm	1800rpm		最低 The minimum	最高 The highest	
VP-08-08	7.0	4.4+4.4	6.7+6.7	8+8	A1:0.8-2.5 A2:2.0-4.5 A3:4.0-7.0	800	1800	9.0
VP-12-12		6.7+6.7	10+10	12+12				
VP-15-15		8.3+8.3	12.5+12.5	15+15				
VP-20-20		11.1+11.1	16.7+16.7	20+20				9.5
VP-25-25		13.9+13.9	21+21	25+25				
VP-30-30		16.7+16.7	25+25	30+30				
VP-40-40		22.2+22.2	33.3+33.3	40+40				

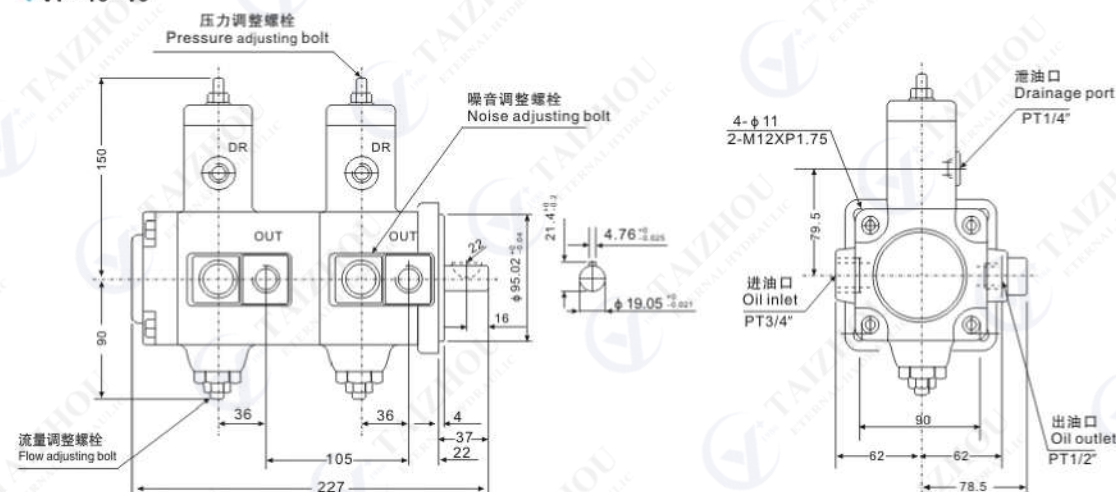
■ 尺寸图 Dimension

◆ VP-20-20



■ 尺寸图 Dimension

◆ VP-40-40



■ VP高低压变量叶片泵 High and Low Pressure Variable Vane Pump
VP30/40+S系列 Series



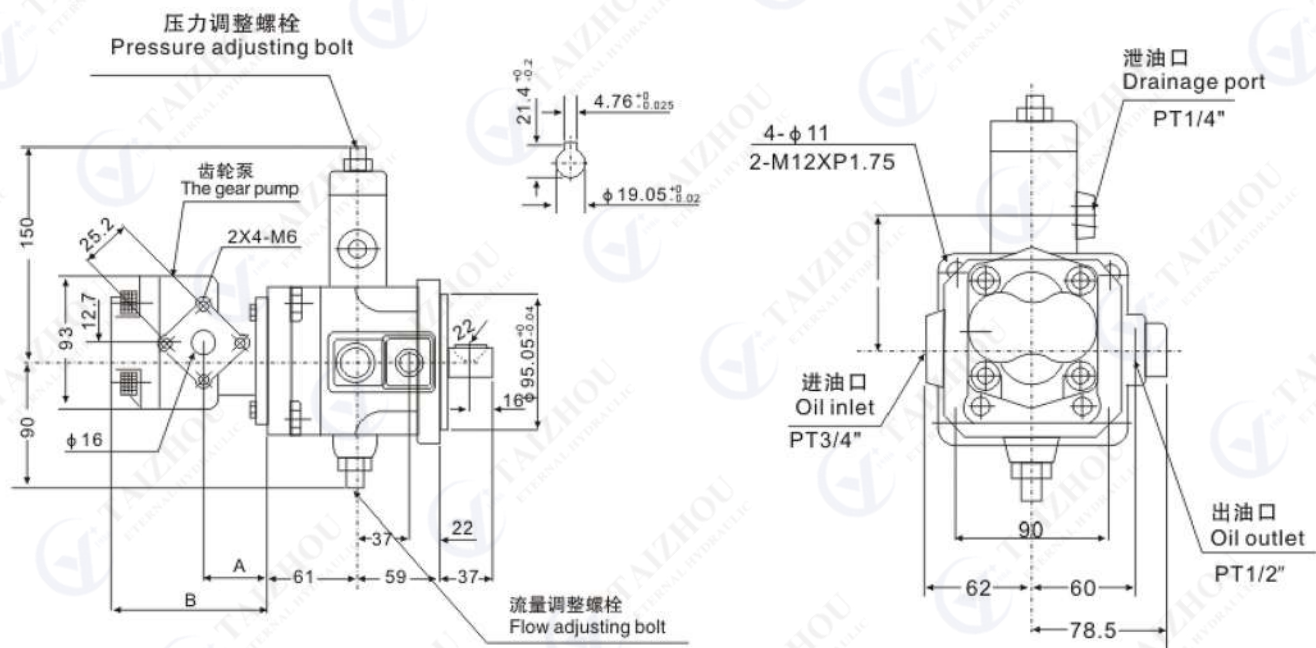
VP	-30	-F	-A3	+S
系列号码 Series number	流量 Flow(L/min)	安装型式 Installation type	压力调整范围 Pressure adjusting range(Bar)	结合泵的型号 (高压) Combined pump model (high pressure)
VP-30FA+S VP-40FA+S	-30 -40	F:法兰式 F:Flange mounting	A1: 08~25 A2: 20~45 A3: 40~70	结合泵的型号 (高压) Combined pump model (high pressure)

■ 性能参数 Specification

型号 Model	最高使用压力 (Mpa) The highest working pressure	排量 (ml/rev) Displacement	无负荷时之流量 (L/min) No-load flow (L/min)		压力调整范围 pressure adjustment range (Mpa)	转速r/min Speed r/min		重量kg weight
			1500rpm	1800rpm		最低The minimum	最高The highest	
VP-30FA+S	高压: 21.0 低压: 7.0	16.7+S	25+S	30+S	A1: 0.8-2.5 A2: 2.0-4.5 A3: 4.0-7.0	800	1800	9.5
VP-40FA+S		22.2+S	33.3+S	40+S				

■ 尺寸图 Dimension

◆ VP30/40+S



!注: 图形之齿轮泵尺寸仅供参考

Note: gear pump size of the chart above are for your reference only



■ 50T/150T系列单泵 50T/150T Series Single Pump

50T	-36	-L	-R	X	油口尺寸 Port Size		重量 Weight	
系列号 Series No.	排量 Displacement (ml/r)	安装型式 Installation Type	旋向 Rotation 从轴端看 (Viewed From the Shaft End)	轴径 Shaft	进油口 Inlet Port	出油口 Outlet	脚座式 Foot	法兰式 Flange
50T	07,12,14,17,20, 23,26,30,36,39	F: 法兰型 Flange Mounting L: 脚座型 Foot Mounting	R: 顺时针 Clockwise L: 逆时针 Counter- Clockwise	X: $\phi 22 \times 5$ (Standard) X1: $\phi 19.05 \times 4.76$	3/4"	1"	10.5kg	9kg
150T	48,61,75,94,116			X: $\phi 30 \times 7$	1 1/4"	1 1/2"	26kg	25kg

■ 50T/150T系列双泵 50T/150T Series Double Pump

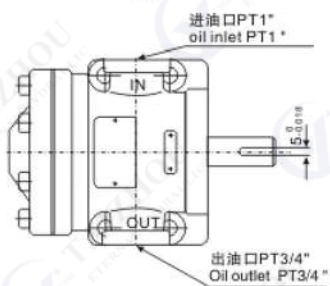
150T+50T	-116	-20	-L	-R	重量 Weight	
系列号 Series No.	前泵排量 Front Pump Displacement (ml/r)	后泵排量 Rear Pump Displacement (ml/r)	安装型式 Installation Type	旋向 Rotation (从轴端看 Viewed from Shaft End)	脚座式 Foot	法兰式 Flange
50T+50T	07,12,14,17,20, 23,26,30,36,39	07,12,14,17,20, 23,26,30,36,39	F: 法兰型 Flange Mounting	R: 顺时针 Clockwise	18kg	21kg
150T+50T	48,61,75,94,116	07,12,14,17,20, 23,26,30,36,39	L: 脚座型 Foot Mounting	L: 逆时针 Counter-Clockwise	34kg	35.5kg
150T+150T	48,61,75,94,116	48,61,75,94,116			47kg	48.5kg

■ 50T+SL /150T + SL系列串泵 50T+SL /150T + SL Series Combined Pump

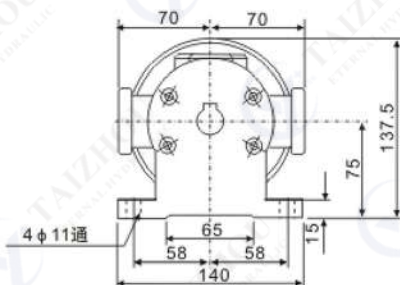
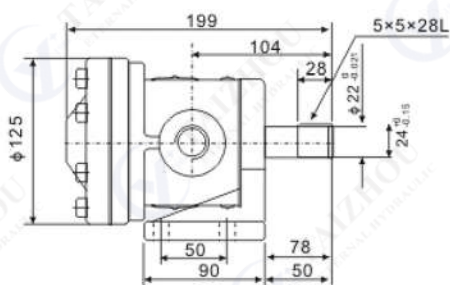
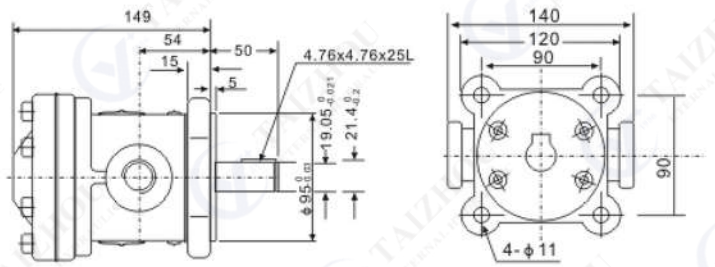
50T	-36	-L	-R	+SL	重量 Weight	
系列号 Series No.	排量 Displacement (ml/r)	安装型式 Installation Type	旋向 Rotation (从轴端看 Viewed from Shaft End)	结合泵型号 (高压) Combined Pump Model (High Pressure)	脚座式 Foot	法兰式 Flange
50T	07,12,14,17,20, 23,26,30,36,39	F: 法兰型 Flange Mounting	R: 顺时针 Clockwise		10.5kg	9kg
150T	48,61,75,94,116	L: 脚座型 Foot Mounting	L: 逆时针 Counter-Clockwise		26kg	25kg

■ 尺寸图 Size Chart

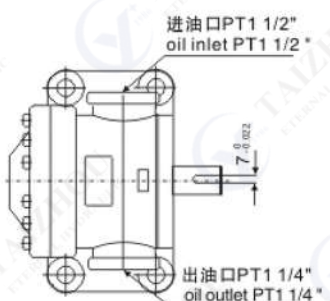
◆ 50T脚座型
50T foot type



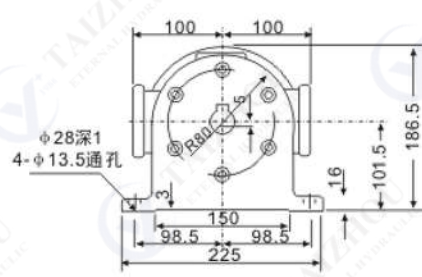
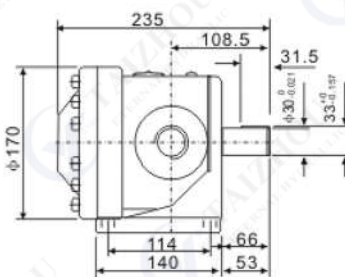
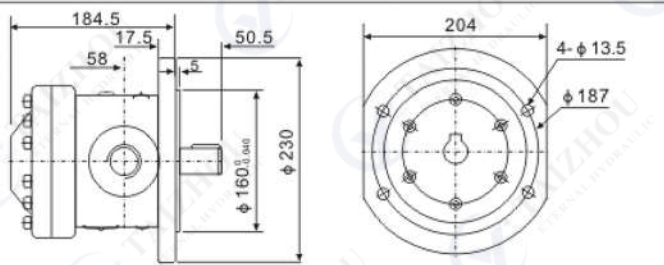
50T法兰型
50T flange type



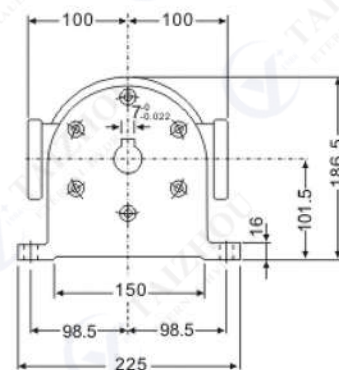
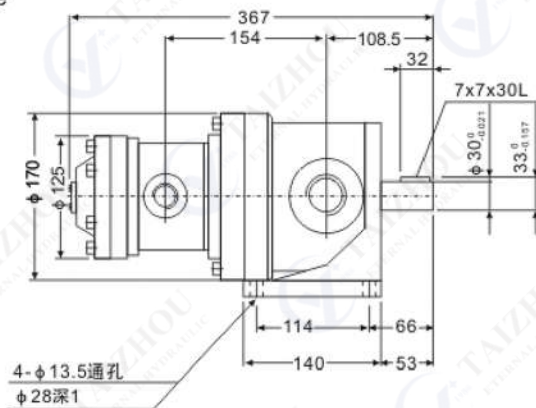
◆ 150T脚座型
150T foot type



150T法兰型
150T flange type

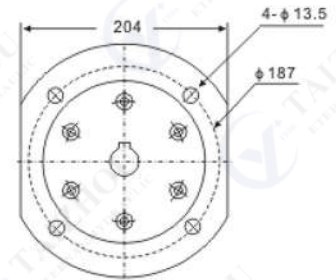
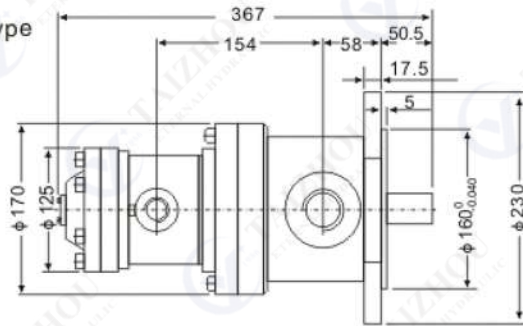


◆ 150T+50T脚座型
150T+50T foot type

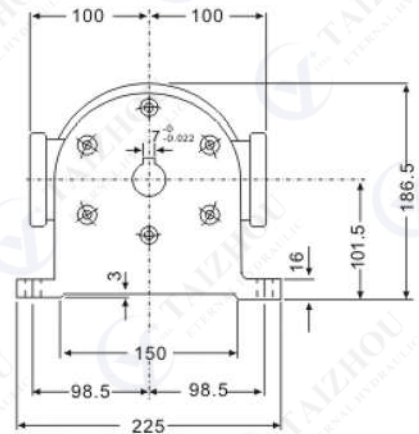
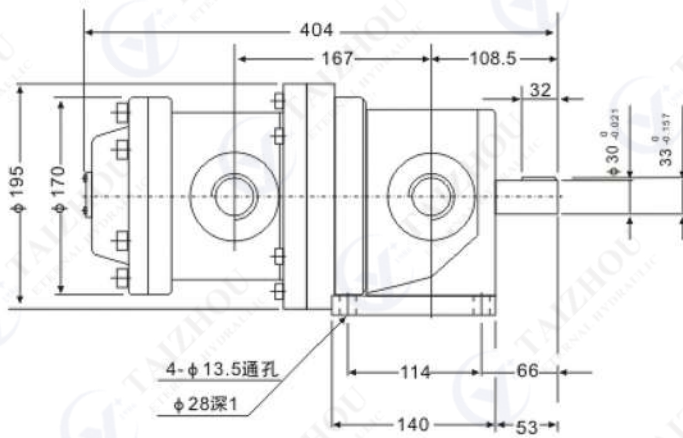


■ 尺寸图 Dimension

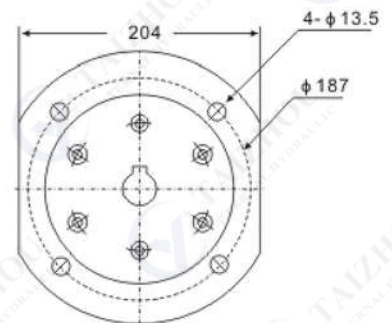
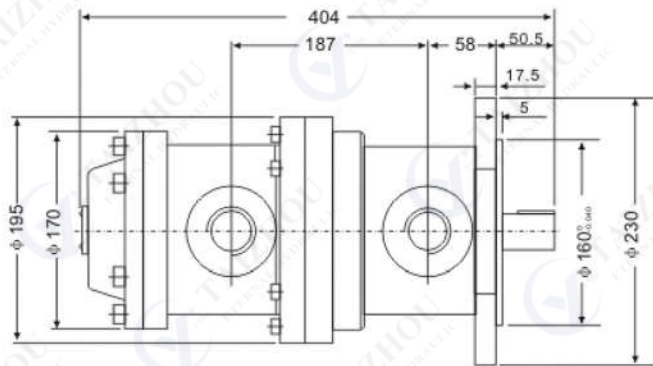
150T+50T 法兰型
150T+50T Flange Type



◆ **150T+150T 脚座型**
150T+150T Foot Type



150T+150T 法兰型
150T+150T Flange Type



■ V10/V20 Series-Power Steering pump



V10 - * - 1 - P - 6 - P - 1 - C - * - * - 20 - *** - L

Vane Pump Series

V10 = Series
V20 = Series

Integral Valve Option

* = Omit if not required
F = Flow Control & Relief
P = Priority Valve & Relief

Mounting

1 = 2 Bolt Flange SAE "A" size
4 = 6 Bolt Flange Round (V20 Size only)
6 = 2 Bolt Flange SAE "B" size (V20 Size only)

Inlet Port Connections

H = 10 Size 1" OD Tube Connection
B = 10 size G 1"
K = 10 Size 1.312" - 12 UN 2B Thd. Connection
P = 10 Size 1" NPT Pipe Thd. Connection
S = 10 Size 1.312" - 12 Straight Thd. Connection
T = 10 Size 1.1875" - 12 Straight Thd. Connection
B = 20 size G 1-1/4"
E = 20 Size 1.5" 2 Bolt Flange Connection
F = 20 Size 1.156" 2 Bolt Flange Connection
P = 20 Size 1.250" NPT Pipe Thd. Connection
R = 20 Size 1" NPT Pipe Thd. Connection
S = 20 Size 1.625" - 12 UN 2B Thd. Connection

SAE Rated Capacity in U.S. gpm

All values rated at 1200 rpm & 100 psi gpm (lpm)

V10 Size		V20 Size	
1 = 1 gpm (3.8)	5 = 5 gpm (18.9)	6 = 6 gpm (23.5)	10 = 10 gpm (37.8)
2 = 2 gpm (7.6)	6 = 6 gpm (23.1)	7 = 7 gpm (26.9)	11 = 11 gpm (43.5)
3 = 3 gpm (11.4)	7 = 7 gpm (27.2)	8 = 8 gpm (31)	12 = 12 gpm (45.4)
4 = 4 gpm (15.1)	9 = 9 gpm (34.8)	13 = 13 gpm (51.1)	

Outlet Port Connections

Mode		Priority Cover			Flow Control Cover		Standard Cover
		Primary	Secondary	Tank	Pressure	Tank	Pressure
K	V10	9/16-18 Str. Thd.	3/4-16 Str. Thd.	9/16-18 Str. Thd.	-	-	-
B	V10	-	-	-	-	-	G 1/2"
B	V20	-	-	-	-	-	G 3/4"
P	V10	-	-	-	3/4-16 Str. Thd.	1/2-NPT Thd.	1/2-NPT Thd.
P	V20	-	-	-	3/4-16 Str. Thd.	1/2-NPT Thd.	3/4-NPT Thd.
R	V10	-	-	-	-	-	1.062-12 Str. Thd.
S	V20	-	-	-	3/4-16 Str. Thd.	1 1/16-12 Str. Thd.	1.062-12 Str. Thd.
S	V10	-	-	-	-	-	3/4-16 Str. Thd.
T	V10	-	-	-	3/4-16 Str. Thd.	3/4-16 Str. Thd.	-
T	V20	3/4-16 Str. Thd.	7/8-14 Str. Thd.	3/4-16 Str. Thd.	-	-	-
V	V10 & V20	-	-	-	-	-	7/8-14 Str. Thd.

Shaft Rotation

* = Omit for Right-hand (Clockwise) Rotation
L = Left-hand (Counter-Clockwise) Rotation

Special Features Suffix

Design

20 = Subject to change
(Installation dimensions will remain the same)

Pressure Setting

A = 250 psi (17.2 bar)	F = 1500 psi (103.4 bar)
B = 500 psi (34.5 bar)	G = 1750 psi (120.7 bar)
C = 750 psi (51.7 bar)	H = 2000 psi (137.9 bar)
D = 1000 psi (68.9 bar)	J = 2250 psi (155.1 bar)
E = 1250 psi (86.2 bar)	K = 2500 psi (172.4 bar)

Flow Rate Through Orifice in Cover

1 = 1 gpm (3.8 lpm) - V10
2 = 2 gpm (7.6 lpm) - V20
8 = 8 gpm (31 lpm) - V20

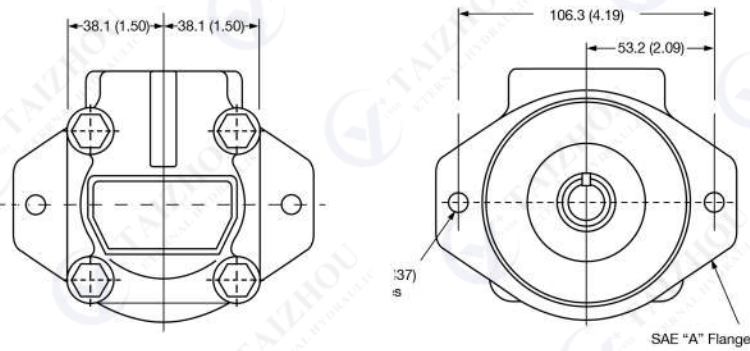
Position of Primary Outlet Port

A = Opposite Inlet Port (Viewed from Cover End of Pump)
B = 90° CCW from Inlet (Viewed from Cover End of Pump)
C = Inline with Inlet Port (Viewed from Cover End of Pump)
D = 90° CW from Inlet (Viewed from Cover End of Pump)

Shafts

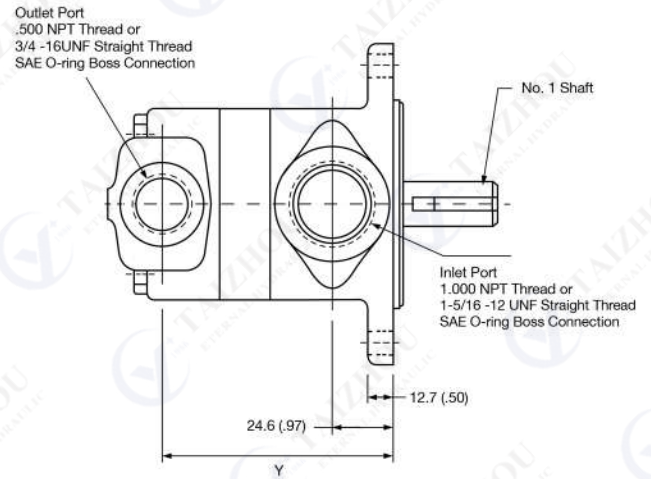
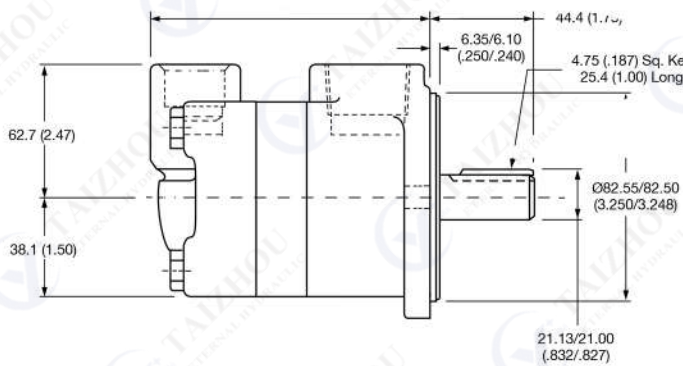
1 = Straight Keyed	15 = 13 Tooth Splined
3 = Threaded w/ Woodruff Key	27 = Tang Drive
4 = Threaded	34 = Threaded
11 = 9 Tooth Splined	38 = 11 Tooth Splined
12 = 13 Tooth Splined (V10 only)	62 = SAE "A" Spline (V20 only)

■ V10 Series-Power Steering pump

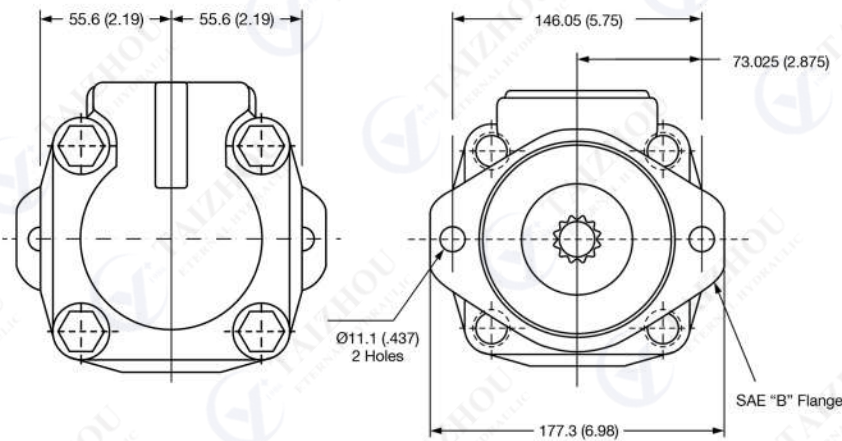


V10 Dimensions

DELIVERY AT 1200 RPM & 100 PSI	DIMENSIONS	
	X	Y
1 gpm (3.8 lpm)	115.6 (4.55)	91.9 (3.62)
2 gpm (7.6 lpm)	115.6 (4.55)	91.9 (3.62)
3 gpm (11.4 lpm)	115.6 (4.55)	91.9 (3.62)
4 gpm (15.1 lpm)	121.9 (4.80)	98.3 (3.87)
5 gpm (18.9 lpm)	121.9 (4.80)	98.3 (3.87)
6 gpm (22.7 lpm)	127.0 (5.00)	103.4 (4.07)
7 gpm (26.5 lpm)	127.0 (5.00)	103.4 (4.07)

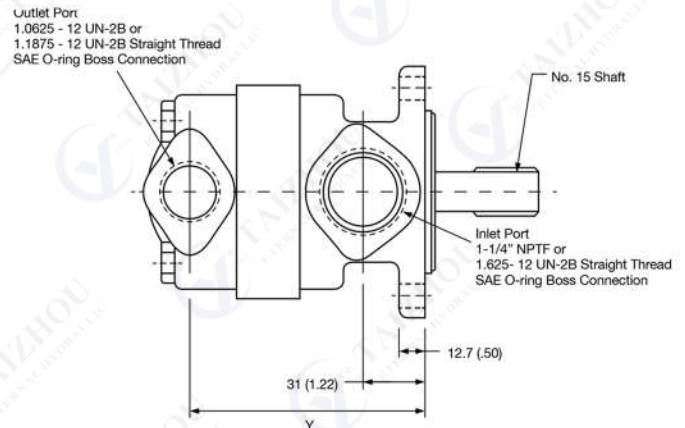
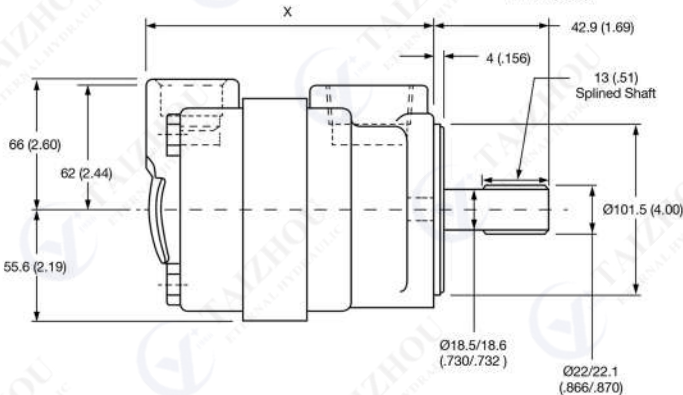


■ V20 Series-Power Steering Pump



V20 Dimensions

DELIVERY AT 1200 RPM & 100 PSI	DIMENSIONS	
	X	Y
6 gpm (22.7 lpm)	125.2 (4.93)	102.1 (4.02)
7 gpm (26.5 lpm)	131.6 (5.18)	108.4 (4.27)
8 gpm (30.3 lpm)	131.6 (5.18)	108.4 (4.27)
9 gpm (34.1 lpm)	131.6 (5.18)	108.4 (4.27)
11 gpm (41.6 lpm)	136.6 (5.38)	113.5 (4.47)
12 gpm (45.4 lpm)	140.2 (5.52)	117.1 (4.61)
13 gpm (49.2 lpm)	140.2 (5.52)	117.1 (4.61)



■ V2010/V2020 Series-Power Steering pump

Special Note

Place an **F3** in front of the model code for **Special Seals**.
Example: F3-V-2020-* -1-* -F-8-S-9-P-1-**-12-A-30-L



V - 2020 - * - 1 - * - F - 8 - S - 9 - P - 1 - ** - 12

Vane Pump Series

V = Vane Pump Series

Series

V2010= Series Designation
V2020= Series Designation

Cover Type

* = Omit for standard cover

F = Flow control cover

P = Priority valve cover

Pump Mounting

1 = 2 Bolt Flange SAE 'B' size

2 = Foot bracket

Foot Bracket

(Mounting position with respect to inlet port position when viewed from the shaft end)

3 = Inlet port position at 3 o'clock

6 = Inlet port position at 6 o'clock

9 = Inlet port position at 9 o'clock

* = Omit for Inlet port position at 12 o'clock

Inlet Port Connections

F = 4 Bolt Flange 2" diam. SF

Ring Capacity in U.S. gpm (Shaft end)

All values rated at 1200 rpm & 100 psi

6 = 6 gpm (22.7 lpm)

11 = 11 gpm (41.6 lpm)

7 = 7 gpm (28.5 lpm)

12 = 12 gpm (45.4 lpm)

8 = 8 gpm (30.3 lpm)

13 = 13 gpm (49.2 lpm)

9 = 9 gpm (34.1 lpm)

Outlet Port

(Shaft end)

S = 1.062"-12 UN 2B Thd. Connection

B = G 3/4"

Ring Capacity in U.S. gpm (Cover end)

All values rated at 1200 rpm & 100 psi

V10 Size

V20 Size

2=2 gpm(7.6lpm)

5 = 5 gpm (18.9 lpm)

10 = 10 gpm (37.8 lpm)

3=3 gpm(11.4lpm)

6 = 6 gpm (22.7 lpm)

11 = 11 gpm (41.6 lpm)

4=4 gpm(15.1lpm)

7 = 7 gpm (26.5 lpm)

12 = 12 gpm (45.4 lpm)

5=5 gpm(18.9.4lpm)

8 = 8 gpm (30.3 lpm)

13 = 13 gpm (49.2 lpm)

6=6 gpm(23.1lpm)

9 = 9 gpm (34.1 lpm)

7=7 gpm(27.2lpm)

Shaft Rotation

(Viewed from shaft end)

* = Omit for Right-hand (Clockwise) Rotation

L = Left-hand (Counter-Clockwise) Rotation

Design

Pressure Setting

A = 250 psi (17.2 bar) F = 1500 psi (103.4 bar)

B = 500 psi (34.5 bar) G = 1750 psi (120.7 bar)

C = 750 psi (51.7 bar) H = 2000 psi (137.9 bar)

D = 1000 psi (68.9 bar) J = 2250 psi (155.1 bar)

E = 1250 psi (86.2 bar) K = 2500 psi (172.4 bar)

Flow Rate through Orifice in Cover (US gpm)

Outlet Port Position

(Viewed from rear cover end of pump)

With No. 1 Outlet (shaft end) opposite inlet port

	V2020	V2010	
AA	180°from inlet	135°CCWfrom inlet	(No.2 Outlet)
AB	90°CCW from inlet	45°CCW from inlet	
AC	0°from inlet	45°CW from inlet	
AD	90°CW from inlet	135°CCW from inlet	

With No. 1 Outlet (shaft end) 90° CCW from inlet port

	V2020	V2010	
BA	180°from inlet	135°CCWfrom inlet	(No.2 Outlet)
BB	90°CCW from inlet	45°CCW from inlet	
BC	0°from inlet	45°CW from inlet	
BD	90°CW from inlet	135°CCW from inlet	

With No. 1 Outlet (shaft end) inline with inlet port

	V2020	V2010	
CA	180°from inlet	135°CCWfrom inlet	(No.2 Outlet)
CB	90°CCW from inlet	45°CCW from inlet	
CC	0°from inlet	45°CW from inlet	
CD	90°CW from inlet	135°CCW from inlet	

With No. 1 Outlet (shaft end) 90° CW from inlet port

	V2020	V2010	
DA	180°from inlet	135°CCWfrom inlet	(No.2 Outlet)
DB	90°CCW from inlet	45°CCW from inlet	
DC	0°from inlet	45°CW from inlet	
DD	90°CW from inlet	135°CCW from inlet	

Shafts

1 = Straight keyed

3 = Threaded w/ woodruff key

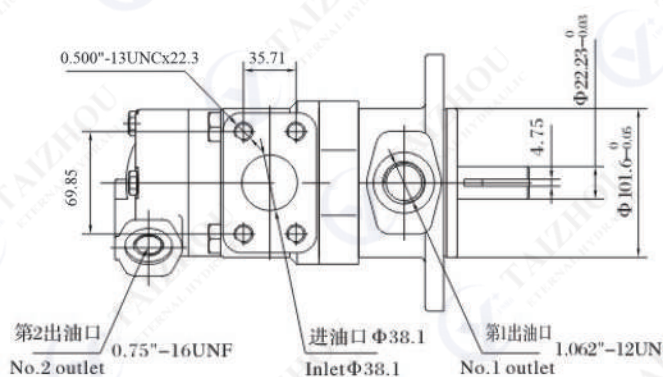
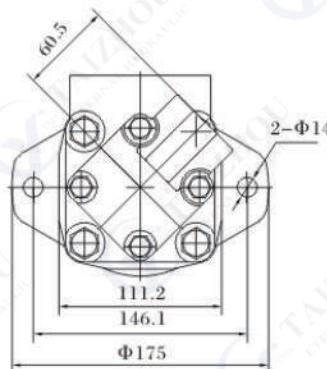
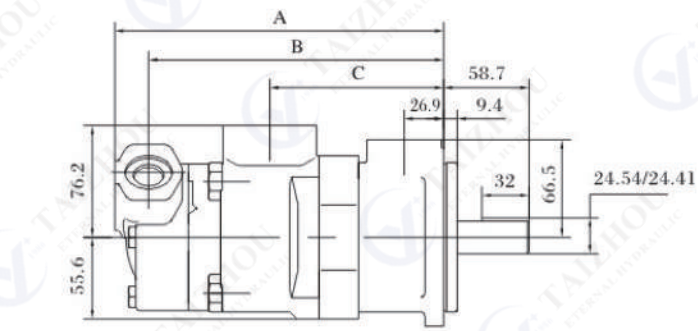
11 = Splined 13 tooth

38 = Splined (V2020 only)

Code	Std. Cover		Flow Control Cover			
			Pressure		Tank	
	V2010	V2020	V2010	V2020	V2010	V2020
B	G1/2"	G3/4"	-	-	-	-
P	1/2"NPT	-	3/4" St.Thd.	3/4" St.Thd.	1/2"NPT	1/2"NPT
S	3/4" St.Thd.	1.602-12 St.Thd.	-	3/4" St.Thd.	-	1.602-12 St.Thd.
T	-	-	3/4" St.Thd.	3/4" St.Thd.	3/4" St.Thd.	3/4" St.Thd.

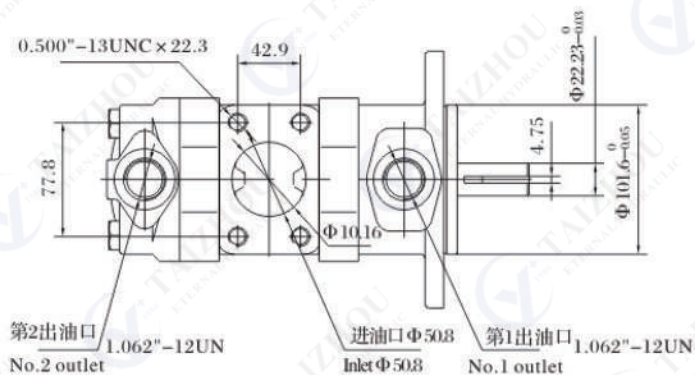
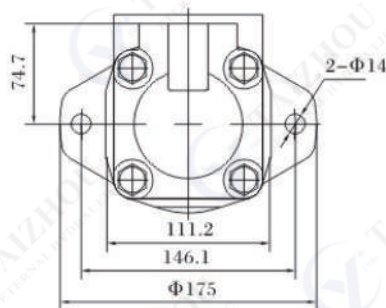
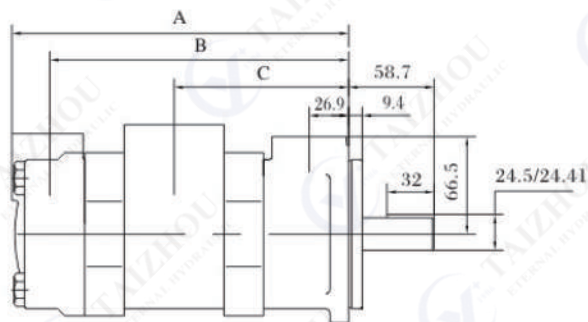
■ 外形及连接尺寸 Configuration and Instalation Dimension(mm)

V2010



代号 USgpm		A(mm)	B(mm)	C(mm)
轴端 Shaft end	盖端 Cover end			
7, 8, 9	1, 2, 3	213.0	190.0	113.5
7, 8, 9	4, 5	219.1	196.1	113.5
7, 8, 9	6, 7	224.1	201.1	113.5
10, 11	1, 2, 3	218.2	195.0	118.5
10, 11	4, 5	224.1	201.1	118.5
10, 11	6, 7	229.1	206.1	118.5
12, 13	1, 2, 3	222.0	119.0	121.5
12, 13	4, 5	228.1	205.1	121.5
12, 13	6, 7	233.1	210.1	121.5

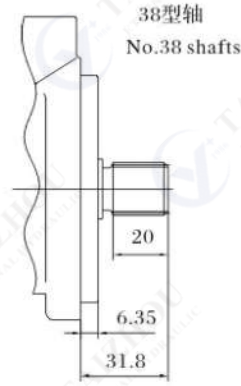
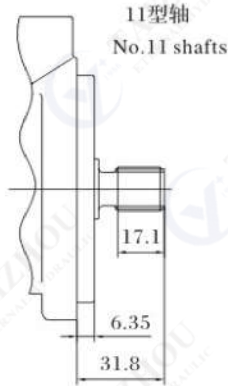
V2020



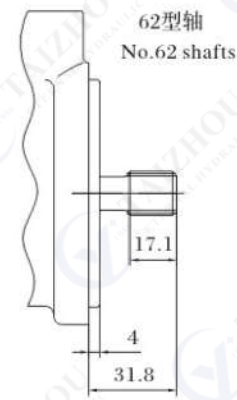
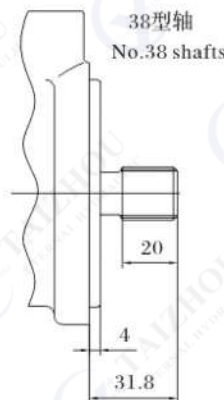
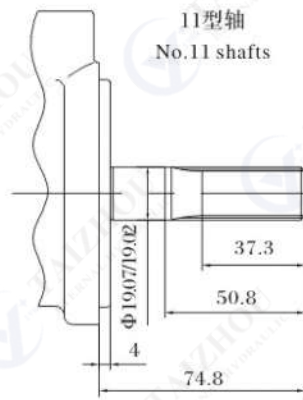
代号 USgpm		A(mm)	B(mm)	C(mm)
轴端 Shaft end	盖端 Cover end			
7, 8, 9	6	213.4	187.7	114.0
7, 8, 9	7, 8, 9	219.5	193.8	114.0
10, 11	6	218.4	192.7	119.0
10, 11	7, 8, 9	224.5	198.8	119.0
10, 11	10, 11	229.5	203.8	119.0
10, 11	6	222.4	196.7	122.5
12, 13	7, 8, 9	228.5	202.8	122.5
12, 13	10, 11	233.5	207.8	122.5

□轴伸选择 Optional Shafts
花键轴伸 Splined shaft type

V10

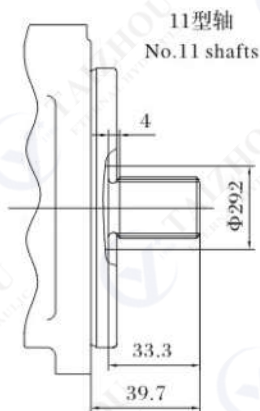


V20



V2010

V2020



渐开线花键参数表 Involute splines date table

型号 Model	轴伸代号 Shaft code	齿数 Number of teeth	径节 Pitch	齿顶圆直径 Major diameter	节圆直径 Pitch diameter	齿根圆直径 Minor Diameter	配合形式 Suitable for
SV10	11	9	16/32	15.82/15.80	14.29	12.28/12.00	齿顶 Tooth tip
	38	11	16/32	18.63/18.50	17.46	15.24/14.99	齿侧 Side tip
SV20	11	11	16/32	19.01/18.93	17.46	15.90/15.62	齿侧 Side tip
	38	11	16/32	18.63/18.50	17.46	15.24/14.99	齿侧 Side tip
	62	9	16/32	15.82/15.80	14.29	12.28/12.00	齿顶 Tooth tip
SV2010 SV2020	11	13	16/32	22.17/22.15	19.03	18.63/18.35	齿顶 Tooth tip

■ V10NF/V20NF Series-Power Steering pump



V20 - NF - 1 - S - 8 - T - 138 - A - 4 - D - * - L

Vane Pump Series

V10= Model Series
V20= Model Series

Series

NF = Series (Flow control valve cover & internal drain)

Pump Mounting

	V10NF	V20NF
1=2Bolt Flange 3.25 Pilot	√	√
2=Footmount-body inlet port at 12 o'clock (Viewed from shaft end)	x	√
3=Power take-off	x	√
4=Face	x	√
23=Body inlet port at 3 o'clock	x	√
26=Body inlet port at 6 o'clock	x	√
29=Body inlet port at 9 o'clock	x	√

Inlet Port Connections

	V10NF	V20NF
P=1.25"NPT Pipe Thd.Connection	√	√
S=1.625"-12 Straight Thd.Connection	√	√
D=1.312"-12 Straight Thd.Connection	x	√
F=2Bolt Flange Connection	x	√

Ring Capacity in U.S. gpm

All values rated at 1200 rpm

V10 Size	V20 Size	V20 Size
2=2 gpm(7.6lpm)	5 = 5 gpm (18.9 lpm)	10 = 10 gpm (37.8 lpm)
3=3 gpm(11.4lpm)	6 = 6 gpm (22.7 lpm)	11 = 11 gpm (41.6 lpm)
4=4 gpm(15.1lpm)	7 = 7 gpm (26.5 lpm)	12 = 12 gpm (45.4 lpm)
5=5 gpm(18.9.4lpm)	8 = 8 gpm (30.3 lpm)	13 = 13 gpm (49.2 lpm)
6=6 gpm(23.1lpm)	9 = 9 gpm (34.1 lpm)	
7=7 gpm(27.2lpm)		

Flow Control Cover

T = Pressure port .75" -16 Str. Thd.

Shaft Rotation

* = Omit for Right-hand (Clockwise) Rotation
L = Left-hand (Counter-Clockwise) Rotation

Design

Pressure Setting

C = 750 psi (51.7 bar)	H = 2000 psi (137.9 bar)
D = 1000 psi (68.9 bar)	J = 2250 psi (155.1 bar)
E = 1250 psi (86.2 bar)	K = 2500 psi (172.4 bar)
F = 1500 psi (103.4 bar)	L = 2750 psi (189.6 bar)
G = 1750 psi (120.6 bar)	

Flow Rate Through Orifice in Cover

	V10NF	V20NF
2=2gpm(7.6lpm)	√	√
3=3gpm(11.4gpm)	√	√
4=4gpm(15.1gpm)	√	√
5=5gpm(18.9gpm)	√	√
6=6gpm(23.1lpm)	x	√
7=7gpm(27.2lpm)	x	√
8=8gpm(31 lpm)	x	√
9=9gpm(34.8lpm)	x	√
10=10gpm(37.8lpm)	x	√

Position of Primary Outlet Port

A = Opposite Inlet Port (Viewed from Cover End of Pump)
B = 90° CCW from Inlet (Viewed from Cover End of Pump)
C = Inline with Inlet Port (Viewed from Cover End of Pump)
D = 90° CW from Inlet (Viewed from Cover End of Pump)

Shafts

V10NF

1 = Standard Straight Keyed
3 = Threaded
6 = Straight Stub
10 = Threaded Stub
11 = Splined
38 = Splined

V20NF

For 10-13 gpm units
1 = Standard Straight Keyed
3 = Threaded
6 = Straight Stub
10 = Threaded Stub
11 = Splined
38 = Splined
For 7-9 gpm units
101 = Standard Straight Keyed
103 = Threaded
138 = Splined
For 5-6 gpm units
203 = Threaded
238 = Splined

■ VTM42 Series-Power Steering Pump



VTM - 42 - 10 - 07 - 02 - ** - F - 7 - R - * - 14 - S**

Vane Pump Series

VTM = Model Series

Mobile Application

Capacity

- 10 = 1.0 gpm (3.8 lpm)
- 15 = 1.5 gpm (5.7 lpm)
- 20 = 2.0 gpm (7.6 lpm)
- 40 = 4.0 gpm (15.1 lpm)
- 50 = 5.0 gpm (18.9 lpm)
- 60 = 6.0 gpm (22.7 lpm)

Controlled Flow in U.S. gpm

All values rated at 1500 rpm & 100 psi

- | | |
|-------------------------|-------------------------|
| 07 = 0.7 gpm (2.6 lpm) | 45 = 4.5 gpm (17.0 lpm) |
| 15 = 1.5 gpm (5.7 lpm) | 50 = 5.0 gpm (18.9 lpm) |
| 20 = 2.0 gpm (7.6 lpm) | 55 = 5.5 gpm (20.8 lpm) |
| 25 = 2.5 gpm (9.5 lpm) | 60 = 6.0 gpm (22.7 lpm) |
| 30 = 3.0 gpm (11.4 lpm) | 65 = 6.5 gpm (24.6 lpm) |
| 35 = 3.5 gpm (13.2 lpm) | 75 = 7.5 gpm (28.4 lpm) |
| 40 = 4.0 gpm (15.1 lpm) | |

Relief Valve Setting

- | | |
|--------------------------|---------------------------|
| 02 = 250 psi (17.2 bar) | 12 = 1250 psi (86.2 bar) |
| 03 = 300 psi (20.7 bar) | 15 = 1500 psi (103.4 bar) |
| 05 = 500 psi (34.5 bar) | 17 = 1750 psi (120.7 bar) |
| 07 = 750 psi (51.7 bar) | 20 = 2000 psi (137.9 bar) |
| 08 = 850 psi (58.6 bar) | 35 = 3500 psi (241.3 bar) |
| 10 = 1000 psi (68.9 bar) | |

Special Features

Design

Shaft No. 1

Threaded Keyed Shaft

Shaft Rotation

(Viewed from shaft end)

R = Right-hand (Clockwise) Rotation

L = Left-hand (Counter-Clockwise) Rotation

Reservoir or Manifold

7 = 70 cu. in Reservoir

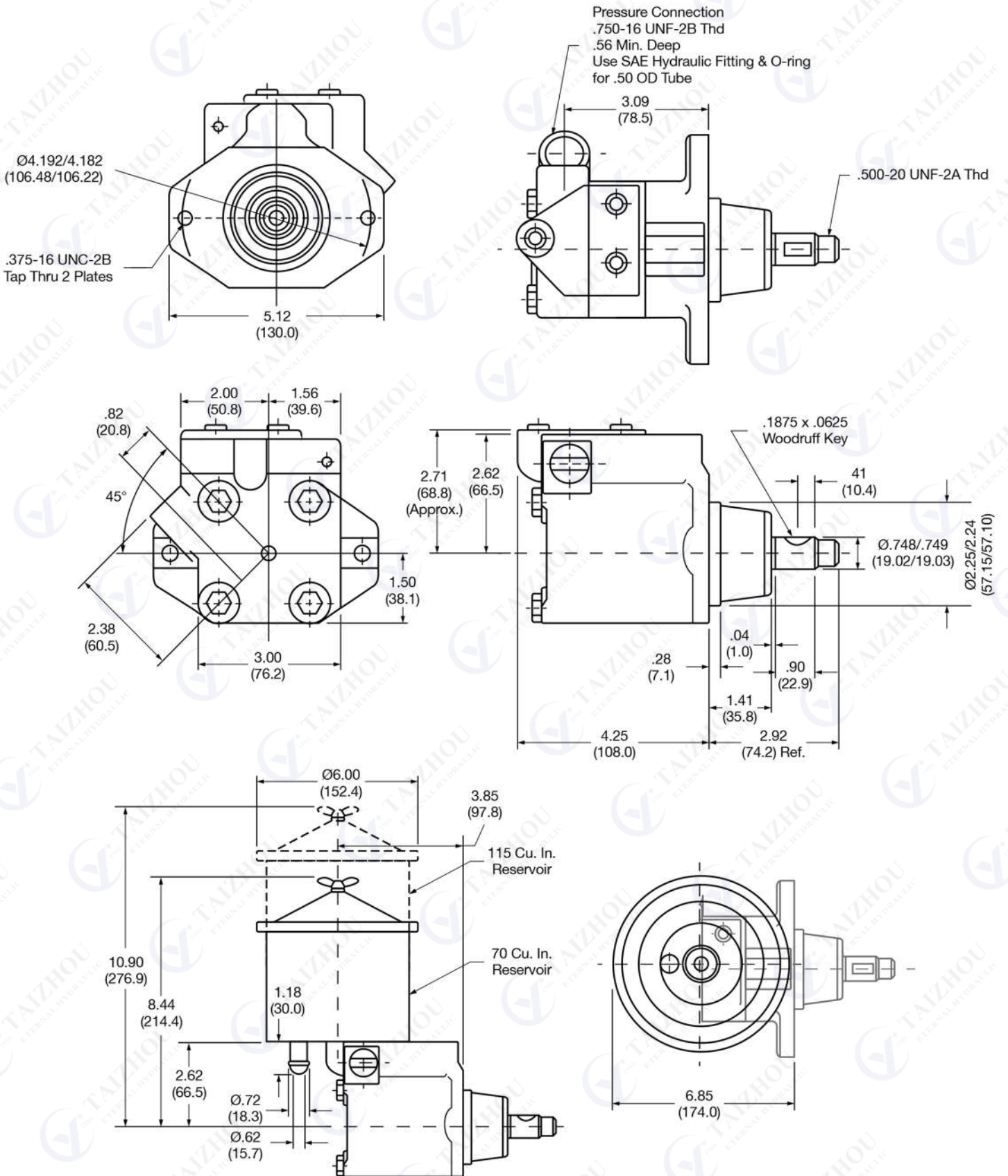
11 = 115 cu. in Reservoir

* = Shipping Closure

Inlet Screen

Filter Parts

■ VTM42 Series-Power Steering Pump Dimension



Related Products



Piston Pump



EG Series Gear Pump



Dump Pump



Hydraulic Orbit Motor



Hydraulic Cylinder



Directional Control Valve

台州永畅液压机械有限公司

Taizhou Eternal Hydraulic Machine Co., Ltd.

Add: No.11 Xiquan Road, Anzhou Street, Xianju County,
Taizhou City, Zhejiang, China
Contact person: Mr Leo Wu
Mobile: +86-13656579545 (Wechat/Whatsapp)
Skype: leowu1986

Tel: +86-576-89370768 Fax: +86-89370769
Email: leo@xjetl.com
Web: www.etlhyd.com www.xjetl.com
www.facebook.com/etlhydraulic
<https://taizhouyongchang.en.alibaba.com>

