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大象流体动力有限公司

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关于我们About us

大象流体动力有限公司地处中国河北省石家庄市新华区友谊北大街，是一家专业生产液压元件及系统的现代化企业，公司实力雄厚，设备先进。

我们检测设备优良，拥有进口定子和转子高精度磨床，韩国AM公司双面磨，台湾友佳等公司生产的加工中心及数控立式车床等。公司以人为本，汇聚了一批高级技术人才，拥有专业的研发团队，不断进行产品的设计研发，公司目前年产量液压泵2万多套。

公司专业设计、制造、销售内啮合齿轮泵GG系列，美国丹尼逊T7、T6系列，丹尼逊马达M4C系列，美国威格士V系列，VQ系列，VQT系列，V10、V20、VTM42系列转向助力泵，威格士叶片马达25M、35M、45M、50M，日本东京计器SQP系列，国产YBE、50T、150T和日本油研PV2R等系列液压叶片泵。

叶片泵广泛应用于切削机械、塑料机械、锻压机械、矿山建筑工程机械、重型冶金机械、皮革机械、船舶夹板机械、机床、轻工、塑料机械、农业和林业机械、矿物机械、液压站等各种机械的液压传动系统中。

公司秉承，产品质量追求完美，成品价格处于最低，服务质量确保用户满意的原则。我们将本着用最好的产品，为用户提供最好的服务为宗旨，竭诚为您服务！



Elephant Fluid Power Co., Ltd is located in Youyi District, Shijiazhuang City, China. Elephant Fluid Power is a modern and powerful company which specializes producing hydraulic components and systems.

Elephant Fluid Power has a series of advanced manufacturing machines, such as the imported high-precision grinder for stator and rotor, the two sided grinder from Korean AM company, the machining center, CNC from Taiwan Youjia, and so on. Our company is people oriented, converged a group of senior technical personnel, with professional R&D team for design and development the products. Currently our company with annual output more than 20000 sets of hydraulic pumps.

Elephant Fluid Power is specialized in design, manufacture, sales of GG series internal gear pump, America Denison T6, T7 Series pump, Denison M4C series motors, America Vickers V, VQ, VQT, V10, V20, VTM42 SERIES PUMPS, VICKERS 25M, 35M, 45M, 50M series vane motors, Japan Tokimec SQP series pumps, China YBE series pump 50T, 150T series pumps, Japan Yuken PV2R series hydraulic vane pumps and so on.

Vane pump widely applied in cutting machinery, plastic machinery, forging machinery, heavy metallurgy machinery, leather machinery, mining construction machinery, ship plywood machinery, Machine-tools, light industry, agriculture and forestry machinery, mineral machinery, hydraulic station and other machinery in the hydraulic system.

The strategy of Elephant Fluid Power is To pursuit of the perfect quality of products, To pursuit of the best price of the products, To make sure of the service is satisfactory to every customer. We would always ready to provide you with high quality products and best service.

诚信为本

铸造精品

值得信赖



HOUTIQUE

BOUTIQUE

TRUSTWORTHY

1U0422	3G2196	3G4095	3G7660	4K4634	6E3139	7J0584	9J5050	9J5134	9T1697
1U0532	3G2197	3G4097	3G7661	4K4635	6E3209	7J0585	9J5051	9J5135	9T1763
1U2149	3G2198	3G4601	3G7662	4K4869	6E4182	7J0586	9J5052	9J5136	9T2200
1U2652	3G2199	3G4602	3G7663	4T0508	6E4258	7J0587	9J5053	9J7232	9T3866
1U2664	3G2200	3G4661	3G7664	4T0509	6E4265	7J0590	9J5054	9J7891	9T4038
1U2665	3G2201	3G4768	3G7665	4T0416	6E4934	7J0594	9J5055	9J8178	9T5336
1U2666	3G2233	3G5810	3G7666	4T0417	6E5052	7J0603	9J5056	9J8179	9T5793
1U2667	3G2234	3G5863	3G7667	4T0422	6E5072	7J0611	9J5057	9J8180	9T6123
1U2668	3G2235	3G5868	3G8461	4T1893	6E5650	7J0860	9J5058	9J8181	9T7916
1U2669	3G2236	3G6826	3J6536	4T2111	6E5965	7J1397	9J5059	9J8182	1002870
1U2670	3G2237	3G6846	3J9602	4T2767	6E6476	7J1779	9J5060	9J8183	1002961
1U2671	3G2238	3G6856	3K7943	4T5614	6E6477	7J2194	9J5061	9J8184	1003406
1U2824	3G2239	3G7400	3K8301	4T5704	6E6659	7J4349	9J5062	9J8185	1003414
1U3473	3G2243	3G7411	3K8926	4T6020	6E6666	7J4748	9J5063	9J8186	1013415
1U3519	3G2717	3G7412	3K9539	4T6847	6J0050	7J4882	9J5064	9J8187	1043128
1U3842	3G2718	3G7632	3T8098	4T6869	6J1101	7J5801	9J5065	9J8188	1050636
1U3881	3G2719	3G7633	3T8359	4T6947	6J1578	7J6229	9J5066	9J8189	1052155
1U3952	3G2720	3G7634	4J0974	4T7025	6J1579	7J8199	9J5067	9J8192	1070035
1U3953	3G2721	3G7635	4J0990	4T7426	6J1714	8J2059	9J5068	9J8193	1206744
1U3969	3G2722	3G7636	4J1310	4T9367	6J6320	8J2504	9J5069	9J8194	1213409
3A1692	3G2749	3G7637	4J1399	5J1219	6J7825	8J4515	9J5085	9J8195	1212501
3G1238	3G2751	3G7638	4J1401	5J1251	6J7630	8J6730	9J5088	9J8197	1555091
3G1239	3G2752	3G7639	4J2460	5U0557	6J7635	8J6810	9J5091	9J8198	1570956
3G1240	3G2806	3G7640	4J2461	6E0838	7J0554	8J6886	9J5093	9J8199	1629246
3G1266	3G2807	3G7641	4J3447	6E1412	7J0556	8J6823	9J5094	9J8201	1629248
3G1267	3G2832	3G7651	4J3449	6E2046	7J0558	8J6824	9J5096	9J8202	1914610
3G1268	3G2834	3G7652	4J3538	6E2387	7J0561	8J8809	9J5098	9J8203	1214019
3G1269	3G2835	3G7653	4J4707	6E2396	7J0562	8J8813	9J5099	9J8204	1214512
3G1270	3G2837	3G7654	4J6789	6E2927	7J0563	9J0698	9J5100	9J8277	1238509
3G1271	3G2848	3G7655	4J7948	6E2928	7J0565	9J5042	9J5101	9T0486	1243503
3G1686	3G2858	3G7656	4J7949	6E2929	7J0566	9J5045	9J5102	9T1078	1243504
3G1855	3G3895	3G7657	4J8483	6E2931	7J0570	9J5046	9J5104	9T1080	1287228
3G2194	3G4092	3G7658	4J8484	6E3136	7J0582	9J5047	9J5131	9T1340	1364815
3G2195	3G4094	3G7659	4K3331	6E3137	7J0583	9J5048	9J5132	9T1696	1392383
									1439722

NOTE: All above original manufacturer names, logos and part numbers are only for reference purposes only.



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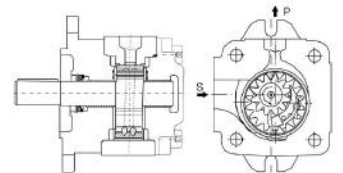
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GG系列内啮合齿轮泵/ GG series internal gear pump

大象流体动力
Elephant Fluid Power

GG系列内啮合齿轮泵 GG series internal gear pump

单泵系列 Single Pumps series



型号说明 Model designation

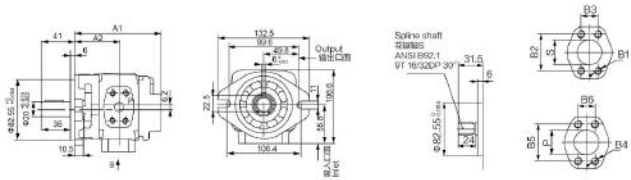
GG	H	1	20	R	P	V	U2
泵类型 Model	类别代号 Type code	系列号 Series	排量代号 Flow code	旋转方向 从轴端看 Rotation Viewed from shaft end	轴伸 Shaft	密封等级 Sealing level	安装法兰 Mounting flange
内啮合 齿轮泵 Internal gear pump	H- 高压泵 H-High- pressure pump	1	8, 10, 13, 16, 20	R-顺时针旋转 right hand for clockwise	P-平键 Keyed	V-氟橡胶 V-Fluoro rubber	U2-SAE-2孔安装法兰 U2-SAE-2Holes Mounting flange
		2	25, 32, 40 50, 63	L-逆时针旋转 left hand for counter- clockwise	S-花键 Splined	W-丁腈橡胶 W-NBR	E4-ISO-4孔安装法兰 E4-ISO-4Holes Mounting flange
		3	80, 100, 125, 160			Nitrile rubber	

技术参数 Technical Data

系列号 Series	规格 Specifi- cations	排量 Displacement ml/r	工作压力 Pressure (MPa)		转速范围 Max. speed (rpm)		重量 Weight (kg)
			额定 Rated	最高 Max	最高 Max	最低 Min	
GGH1	8	8.0	25	30	3000	600	4.4
	10	10.0	31.5	35	3000	600	4.6
	13	13.3	31.5	35	3000	600	4.9
	16	16.0	31.5	35	3000	600	5.2
	20	20.0	31.5	35	3000	600	5.6
GGH2	25	25.3	31.5	35	3000	200	14.5
	32	32.7	31.5	35	3000	200	15
	40	40.1	31.5	35	3000	200	16
	50	50.7	31.5	35	3000	200	17
	63	63.7	31.5	35	3000	200	18.5
GGH3	80	81.4	31.5	35	3000	200	43.5
	100	100.2	31.5	35	3000	200	45.6
	125	125.3	31.5	35	3000	200	48
	160	162.8	21	26	3000	200	52

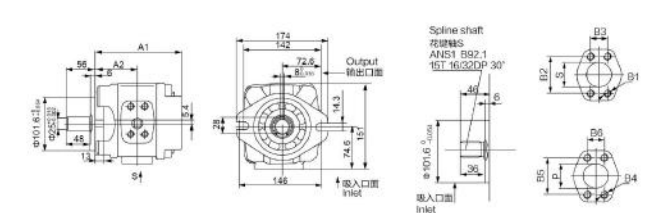
安装连接尺寸 Installation Dimensions

GGH1-※-※-01R-VPC (P型平键轴)



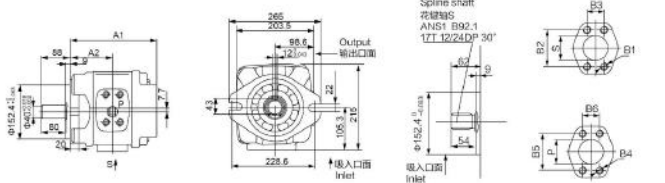
系列号 Series	排量 Displacement ml/r	A1	A2	S	P	B1	B2	B3	B4	B5	B6
GGH1	8	107	54	φ19	φ13	M10深15	52.4	26.2	M8深13	38.1	17.5
	10	111	56								
	13	117.5	59.25								
	16	123	62								
	20	131	66								
							58.7	30.2	M10深15	47.5	22.2

GGH2-※-※-01R-VPC (P型平键轴)



系列号 Series	排量 Displacement ml/r	A1	A2	S	P	B1	B2	B3	B4	B5	B6
GGH2	25	139	73	Φ32	Φ18	M10深17	58.7	30.2	M10深17	47.6	22.2
	32	146	76.5								
	40	153	80								
	50	163	85								
	63	177	92		Φ20						

GGH3-※-※-01R-VPC (P型平键轴)



系列号 Series	排量 Displacement ml/r	A1	A2	S	P	B1	B2	B3	B4	B5	B6
GGH3	80	204	109.5	Φ51	Φ32	M12深20	77.8	42.9	M12深20	69.9	35.7
	100	213	114								
	125	225	120	Φ63.5	Φ38						
	160	243	129	Φ76							

双联泵系列 Double pump series

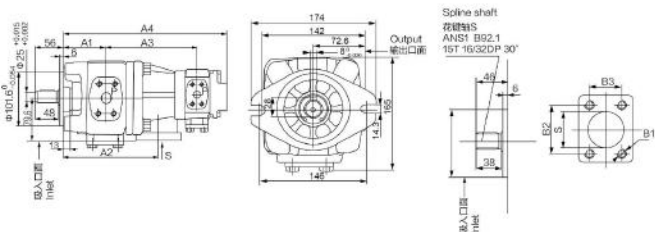


型号说明 Model designation

GG21	-40	-20	-R	-P	-V	-C				
系列号 Series	前泵排量代号 Front pump Flow code	后泵排量代号 Rear pump Flow code	旋转方向 从轴端看 Rotation Viewed from shaft end	轴伸形式 Shaft type	密封等级 Sealing level	安装法兰 Mounting flange				
GG21	25, 32, 40 50, 63	8, 10, 13 16, 20	R-顺时针旋转 right hand for clockwise	P-平键 Keyed	V-氟橡胶 V-Fluoro rubber	SAE 23L Holes				
GG22	25, 32, 40 50, 63	25, 32, 40 50, 63		S-花键 Splined	W-丁腈橡胶 W-NBR Nitrile rubber					
GG32	80, 100, 125, 160	25, 32, 40 50, 63	L-逆时针旋转 left hand for counter- clockwise							
GG33	80, 100, 125, 160	80, 100, 125, 160								

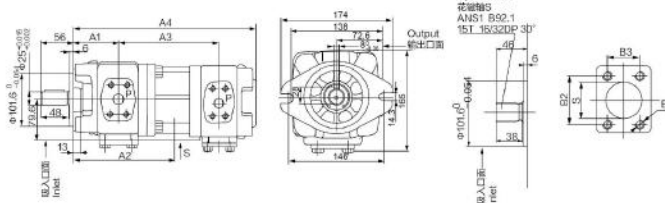
安装连接尺寸 Installation Dimensions

GG21-※-※-01R-VPC (P型平键轴)



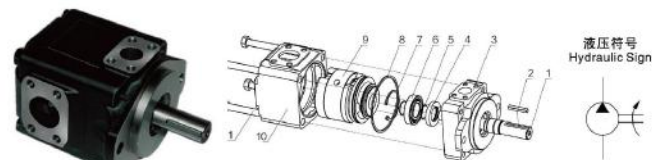
系列号 Series	前泵排量 Front pump displace- ment ml/r	A1	A2	后泵规格 Rear pump specification													
				08		10		13		16		20		S	B1	B2	B3
				A3	A4	A3	A4	A3	A4	A3	A4	A3	A4				
GG21	25	73	164.5	160.5	286.5	162.5	290.5	165.8	297	168.5	302.5	172.5	310.5	Φ51	M12X20	77.8	42.9
	32	76.5	171.5	164	293.5	166	297.5	169.3	304	172	309.5	176	317.5				
	40	80	178.5	167.5	300.5	169.5	304.5	172.8	311	175.5	316.5	179.5	324.5				
	50	85	188.5	172.5	310.5	174.5	314.5	177.8	321	180.5	326.5	184.5	334.5				
	63	92	202.5	179.5	324.5	181.5	328.5	184.8	335	187.5	340.5	191.5	348.5				

GG22-※-※-01R-VPC (P型平键轴)



系列号 Series	前泵排量 Front pump displacement ml/r	A1	A2	后泵规格 Rear pump specification											
				25				32				40			
				A3	A4	A3	A4	A3	A4	A3	A4	A3	A4	A3	A4
GG22	25	73	168	175	314	φ60	M12深20	88.9	50.8						
	32	76.5	175	178.5	321										
	40	80	182	182	328										
	50	85	192	187	338										
	63	92	206	194	352										

T6、T7系列单泵 T6、T7 Series-single Pumps



序号NO.	名称Part	数量Qty	序号NO.	名称Part	数量Qty	序号NO.	名称Part	数量Qty
1	轴 shaft	1	5	轴用钢丝扣圈或 clip for shaft	2	9	滤芯 cartridge kit	1
2	平键 straight key	1	6	滚动轴承 ball bearing	1	10	后盖 rear cover	1
3	前盖 front cover	1	7	孔用弹性扣圈 clip for hole	1	11	外六角螺栓 hexagon head bolt	4
4	轴封 shaft seal	1	8	矩形密封圈 rectangle seal ring	1			

型号说明 Model designation



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



大象流体动力
Elephant Fluid Power

技术参数 Technical Data

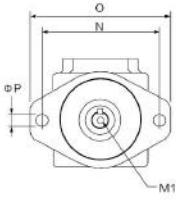
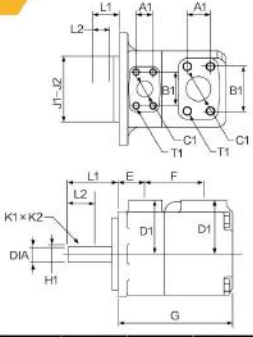
系列号 Series	排量代号 Flow code (USgpm)	理论排量 Geometric displace- ment mL/r	最高压力/Max. pressure Mpa						最高转速/Max. speed r/min		最低转速 Min. speed r/min
			抗磨液压油 Antwear hydraulic oil		普通液压油和磷酸酯油 General hydraulic oil or phosphate ester fluid		水乙二醇和硅包水乳化液 Water glycol fluid or water-oil emulsions		普通液压油和 抗磨液压油 General hydraulic oil or antwear hydraulic oil	水乙二醇、磷酸酯 油和硅包水乳化液 Water glycol fluid or phosphate ester fluid or water-oil emulsions	
			间歇 Instant	连续 Continuous	间歇 Instant	连续 Continuous	间歇 Instant	连续 Continuous			
T6C	003	10.8	28	24	21	17.5	17.5	14	2800	1800	600
	005	17.2									
	006	21.3									
	008	26.4									
	010	34.1									
	012	37.1									
	014	46.0									
	017	58.3									
	020	63.8									
	022	70.3									
	025	79.3									
	028	88.8	21	16	16	2500					
031	100.0										
T6D	014	47.6	25	21	21	17.5	17.5	14	2500	1800	600
	017	58.2									
	020	66.0									
	024	79.5									
	028	89.7									
	031	98.3									
	035	111.0									
	038	120.3									
	042	136.0									
	045	145.7									
	050	158.0	21	16	16	2200					
	061	190.5	12	8	8		7.5	7.5			
T6E	042	132.3	25	21	21	17.5	17.5	14	2200	1800	600
	045	142.4									
	050	158.5									
	052	164.8									
	057	179.8									
	062	196.7									
	066	213.3									
	072	227.1									
	085	269.0									

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

003B03: In displacement code 0 means single steering valve plate structure, B means the two steering valve plate structure

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	38.1	38.1	38.1	38.1	52.3	52.3	38.1	38.1	52.3
F	82.3	82.3	87.4	87.4	110.0	110.0	82.3	87.4	110.0
G	168.5	168.5	184.9	184.9	225.3	225.3	161.6	184.9	225.3
J1	100.000	101.60	125.000	127.00	125.000	127.00	101.60	127.00	127.00
J2	99.967	101.55	124.937	126.095	124.937	126.095	101.55	126.095	126.095
N	140.0	146.0	180.0	181.0	180.0	181.0	146.1	181.0	181.0
O	174.5	174.5	212.4	212.4	213.0	231.0	174.5	212.4	213.0
ΦP	14.0	14.3	18.0	17.5	18.0	17.5	14.3	17.5	17.5

油口/Oil port		法兰 Flange	安装尺寸/Install Dimension(mm)				
			A1	B1	ΦC1	D1	T1口螺纹Thread
T7B, T7BS	P	01: 3/4" F06 00: 1" F08	22.2	47.6	19.0	76.2	3/8"-16UNCx19.0
	S	1-1/2" F12	35.7	69.9	38.1	76.2	1/2"-13UNCx22.4
T7D, T7DS	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
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	5/8"-11UNCx24.0
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

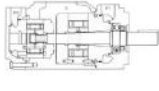
安装连接尺寸 Installation Dimensions

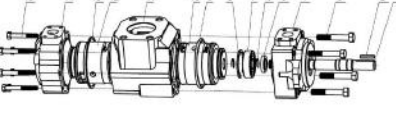
轴伸 Shaft extension

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	25.005/24.995	6.00x7.00	28.22	-
	1	●	71.4	38.1	22.225/22.200	6.35x6.30	24.95	M8x16
T7BS	3	●	40.7	24.5	SAE J498b 18, 13号 SAE J498b class 1, Diametral pitch 16/32, 13T			-
	4	●	45.5	24.5	SAE J498b 18, 15号 SAE J498b class 1, Diametral pitch 16/32, 15T			-
T7D	5	●	87.4	50.0	32.018/32.002	10.00x8.00	35.3	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 18, 14号 SAE J498b class 1, Diametral pitch 12/24, 14T			-
T7E	4	●	77.7	48.0	SAE J498b 18, 14号 SAE J498b class 1, Diametral pitch 12/24, 14T			-
	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	-
T6C	3	●	55.2	38.0	SAE J498b 18, 14号 SAE J498b class 1, Diametral pitch 12/24, 14T			-
	4	●	62.2	31.5	SAE J498b 18, 17号 SAE J498b class 1, Diametral pitch 12/24, 17T			-
	1	275	71.4	38.1	22.225/22.200	6.35x6.30	24.95	M8x16
T6D	2	238	58.2	31.7	22.225/22.200	4.76x4.71	24.53	-
	3	343	40.7	24.5	SAE J498b 18, 13号 SAE J498b class 1, Diametral pitch 16/32, 13T			-
	4	●	45.5	24.5	SAE J498b 18, 15号 SAE J498b class 1, Diametral pitch 16/32, 15T			-
T6E	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 18, 14号 SAE J498b class 1, Diametral pitch 12/24, 14T			-
T6E	4	●	77.7	48.0	SAE J498b 18, 14号 SAE J498b class 1, Diametral pitch 12/24, 14T			-
	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	-
T6E	3	●	55.2	38.0	SAE J498b 18, 14号 SAE J498b class 1, Diametral pitch 12/24, 14T			-
	4	●	62.2	31.5	SAE J498b 18, 17号 SAE J498b class 1, Diametral pitch 12/24, 17T			-

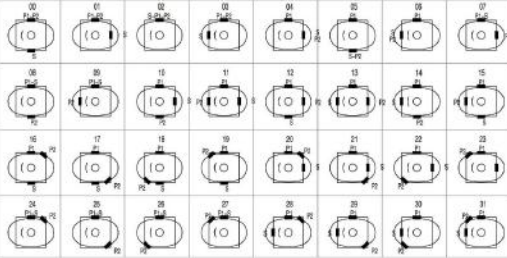
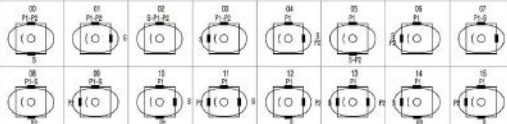
- 能在最大流量、最高压力下工作。
- work at maximum flow and pressure.

T6、T67、T7系列双联泵 T6、T67、T7 Series-Double pumps



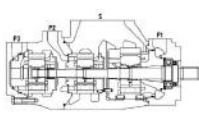
序号NO.	名称Part	数量Qty	序号NO.	名称Part	数量Qty	序号NO.	名称Part	数量Qty
1	轴 shaft	1	6	轴用锁紧套圈 or clip for shaft	2	11	中隔板 middle body	1
2	平键 straight key	1	7	滚动轴承 ball bearing	1	12	右泵芯 rear cartridge	1
3	外六角螺栓 hexagon head bolt	4	8	孔用锁紧套圈 air clip for hole	1	13	矩形密封圈 rectangle seal ring	1
4	前盖 front cover	1	9	矩形密封圈 rectangle seal ring	1	14	右泵芯 rear cover	1
5	轴封 shaft seal	1	10	左泵芯 front cartridge	1	15	外六角螺栓 hexagon head bolt	4

油口位置(从泵的轴端看) Port positions(Views from shaft end of pump)	
T7BB(S) T7DB(S) T7EB(S) T6CB T6CC T6DB T6DC T6EB T6EC T6EE	
T7DD(S) T7ED(S) T7EE(S) T6ED T6EE	

型号说明 Model designation

T6CC	S	W	-025	-017	-1	R	02	-C	1	10
系列号 Series No.	类别代号 Type code	辅助代号 Vice type code	轴伸连接泵代号 Flow-shaft end pump	流量控制泵代号 Flow-control end pump	轴伸形式 Shaft type	旋转方向 Rotation	油口位置 Port position	密封等级 Sealing level	油口尺寸 Port dimensions	
T7BB	无: 采用 ISO 3019 安装法兰		802, 803, 804, 805, 806, 807, 808, 810, 812, 815	802, 803, 804, 805, 806, 807, 808, 810, 812, 815					00, 01, 见安装法兰尺寸 See installation dimensions	
T7DB	NO USE ISO 3019 Installation flange		814, 817, 820, 822, 824, 828, 831, 835, 838, 842	802, 803, 804, 805, 806, 807, 808, 810, 812, 815					00, 01, M1, 见安装法兰尺寸 See installation dimensions	
T7DD		无此选项 No	814, 817, 820, 822, 824, 828, 831, 835, 838, 842	814, 817, 820, 822, 824, 828, 831, 835, 838, 842						
T7EB	S: 采用 SAE C 7/44 安装法兰		042, 045, 050, 052, 054, 057, 062, 066, 072, 085	802, 803, 804, 805, 806, 807, 808, 810, 812, 815						
T7ED	S: USE SAE C 7/44 Installation flange		042, 045, 050, 052, 054, 057, 062, 066, 072, 085	814, 817, 820, 822, 824, 828, 831, 835, 838, 842					无此选项 No	
T7EE			042, 045, 050, 052, 054, 057, 062, 066, 072, 085	042, 045, 050, 052, 054, 057, 062, 066, 072, 085						
T6TCB			003/803, 005/805, 006/806, 008/808, 010/810, 012/812, 014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831	002, 803, 804, 805, 806, 807, 808, 810, 812, 815	从泵的轴端看 Views from shaft end of pump					
T6CC	无: 工业用型 No industrial type		003/803, 005/805, 006/806, 008/808, 010/810, 012/812, 014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831	003/803, 005/805, 006/806, 008/808, 010/810, 012/812, 014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831					00, 01, 10, 11, 见安装法兰尺寸 See installation dimensions	
T6TDB			014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831	802, 803, 804, 805, 806, 807, 808, 810, 812, 815	从轴伸尺寸看 Size of shaft	R-轴伸时 针定轴 for clockwise rotation L-逆时针 针定轴 for counter- clockwise rotation	见上图 see picture above	C	1-S1, 丁腈橡胶 NBR Nitrile rubber	
T6TDC	M: 车削型 Machined type		814, 817, 820, 822, 824, 828, 831, 835, 838, 842	003/803, 005/805, 006/806, 008/808, 010/810, 012/812, 014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831					无此选项 No	
T6DC	P: 重型型 双泵型 P: Heavy type double pumps	W: 重型轴 V: Heavy air keyed shaft	014, 017, 020, 024, 028, 031, 035, 038, 042, 045, 050, 061	003/803, 005/805, 006/806, 008/808, 010/810, 012/812, 014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831					00, 01, M1, 见安装法兰尺寸 See installation dimensions	
T6TEB	S: 采用 SAE J744C 安装法兰 S: Use SAE C 7/44 Installation flange		042, 045, 050, 052, 057, 062, 066, 072, 085	802, 803, 804, 805, 806, 807, 808, 810, 812, 815						
T6EC			042, 045, 050, 052, 057, 062, 066, 072, 085	003/803, 005/805, 006/806, 008/808, 010/810, 012/812, 014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831						
T6TEC			042, 045, 050, 052, 057, 062, 066, 072, 085	003/803, 005/805, 006/806, 008/808, 010/810, 012/812, 014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831					无此选项 No	
T6ED			042, 045, 050, 052, 057, 062, 066, 072, 085	014/814, 017/817, 020/820, 022/822, 025/825, 028/828, 031/831, 035/835, 038/838, 042/842, 045/845, 050/850, 061						
T6EE			042, 045, 050, 052, 057, 062, 066, 072, 085	042, 045, 050, 052, 057, 062, 066, 072, 085						

T6、T67、T7系列三联泵 T6、T67、T7Series-Treble pumps



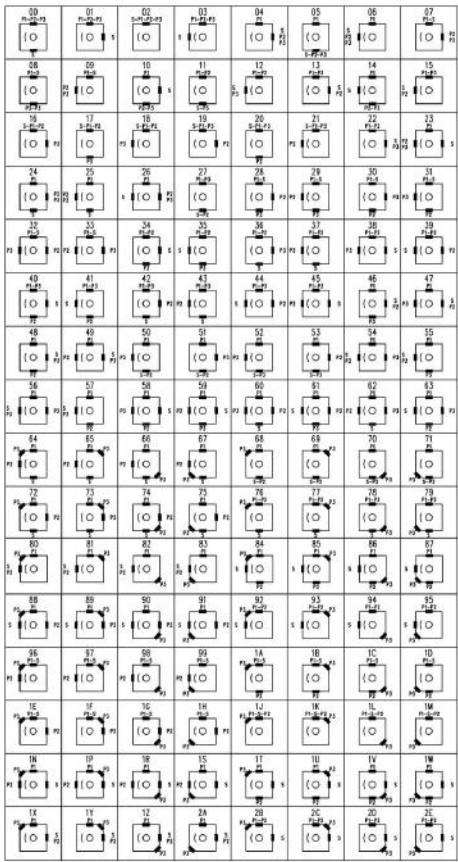
型号说明 Model designation

T6DCC	(M)	-042	-017	-010	-1	R	02	-A	1	01
系列号 Series	泵型代号 Type code	轴端泵排量代号 Flow/shaft end pump	中间泵排量代号 Flow/central pump	首端泵排量代号 Flow/cover end pump	轴伸形式 Shaft type	旋转方向 Rotation	油口位置 Port position	设计号 Design number	密封等级 Sealing Level	油口尺寸 Port dimensions
T67DBB		014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						
T67DCB		014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	003B03, 005B05, 006B06, 008B08, 010B10, 012B12, 014B14, 017B17, 020B20, 022B22, 025B25, 028B28, 031B31	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						无此选项 No
T6DCC	M: 工业用型 No industrial type	014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	003B03, 005B05, 006B06, 008B08, 010B10, 012B12, 014B14, 017B17, 020B20, 022B22, 025B25, 028B28, 031B31	003B03, 005B05, 006B06, 008B08, 010B10, 012B12, 014B14, 017B17, 020B20, 022B22, 025B25, 028B28, 031B31	从泵的轴伸 Views from shaft end of pump					00, 01, 见安装连接尺寸 See installation dimensions
T67DDB	M: 车用型 M-truck type	014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15	见轴伸尺寸 See size of shaft	R-顺时针 right hand for clockwise	见下图 See picture below	A	1-S1, 丁腈橡胶 NBR Hitec number	无此选项 No
T6DCC	S: 车用型 S-truck type 采用SAE J744C 安装法兰 SAE C J744 安装范围	014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	003B03, 005B05, 006B06, 008B08, 010B10, 012B12, 014B14, 017B17, 020B20, 022B22, 025B25, 028B28, 031B31	L-逆时针 left hand for counter-clockwise			5-S5, 氟橡胶 Fluoro-rubber	00, 01, 见安装连接尺寸 See installation dimensions	
T67EDB		042, 045, 050, 052, 057, 062, 065, 072, 085	014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15						无此选项 No
T6EDC		042, 045, 050, 052, 057, 062, 065, 072, 085	014B14, 017B17, 020B20, 024B24, 028B28, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061	003B03, 005B05, 006B06, 008B08, 010B10, 012B12, 014B14, 017B17, 020B20, 022B22, 025B25, 028B28, 031B31						00, 01, 见安装连接尺寸 See installation dimensions

003B03: 排量代号中0表示单转向型配流结构, B表示双转向型配流结构
与相应系列, 规格T6性能参数一致, 详见T6系列性能参数表
003B03 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-signie pumps data.

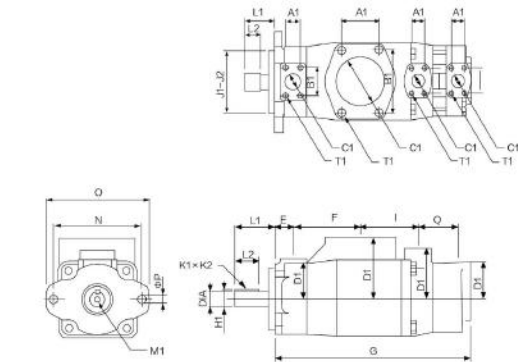
油口位置(从泵的轴端看) Port positions(Views from shaft end pump)

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



安装连接尺寸 Installation Dimensions

安装连接尺寸 Installation Dimensions



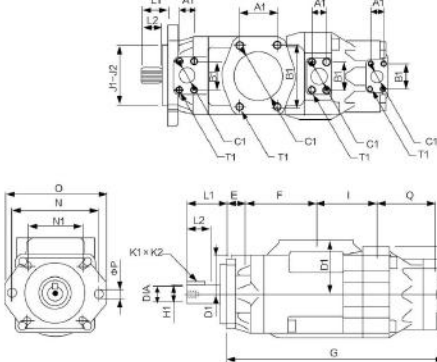
T6DCC T67DDB T67DCB
E 36.1
F 138.0
G 404.0
I 119.3
J1 127.00
J2 136.95
N 181.0
O 212.4
ΦP 17.5
Q 84.4

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
T6DCC T67DDB T67DCB	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 1B, 规格 12/24, 14牙 SAE J498b class 1, Diameter pitch 12/24, 14T			-
	4	●	61.0	31.5	SAE J498b 1B, 规格 12/24, 17牙 SAE J498b class 1, Diameter pitch 12/24, 17T			-
T6DCC	8	●	76.0	48.0	SAE J498b 1B, 规格 12/24, 14牙 SAE J498b class 1, Diameter pitch 12/24, 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 Dimension(mm)				
				A1	B1	φ C1	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
		00: 1"	F08	26.2	52.4	25.4	74.7	
	S	4"	F32	77.8	130.2	101.6	127	5/8"-11UNCx30.0



T6DCC T67DDB(S) T67DCB(S)
E 36.1
F 138.0
G 404.0
I 119.3
J1 127.00
J2 136.95
N 181.0
O 212.4
ΦP 17.5
Q 84.4

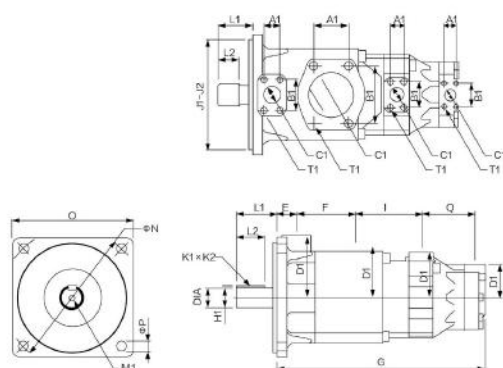
轴伸 Shaft extension

型号 Model	轴伸代号 Shaft code	最大扭矩 Max torque (N.m)	L1	L2	DIA	K1xK2	H1	M1
T6DCC T67DDB(S) T67DCB(S)	1	680	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
	3	883	84.0	60.0	34.900/34.850	7.94x7.89	38.42	M10x20
	5	971	56.0	38.0	SAE J498b 1B, 规格 12/24, 14牙 SAE J498b class 1, Diameter pitch 12/24, 14T			-
	4	●	46.0	31.5	SAE J498b 1B, 规格 12/24, 17牙 SAE J498b class 1, Diameter 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 Dimension(mm)				
				A1	B1	Φ C1	D1	T1口螺纹Thread
T67DDB(S)	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
T6DDC	P1	1-1/4"	F10	30.2	58.7	31.6	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
		00: 1"	F08	26.2	52.4	25.4	74.7	
	S	4"	F32	77.8	130.2	101.6	115.0	5/8"-11UNCx30.0

安裝連接尺寸 / Installation Dimensions



T6EDC	
E	42.9
F	133.3
G	468.0
I	148.4
J1	250H8
J2	
ΦN	315.0
O	273.0
ΦP	22.0
Q	120.0

T6EDCS	T67EDB
E	42.6
F	133.3
G	468.0
I	148.4
J1	165.10
J2	165.06
ΦN	315.0
Q	273.0
⊙P	22.0
Q	120.0

轴伸 Shaft extension

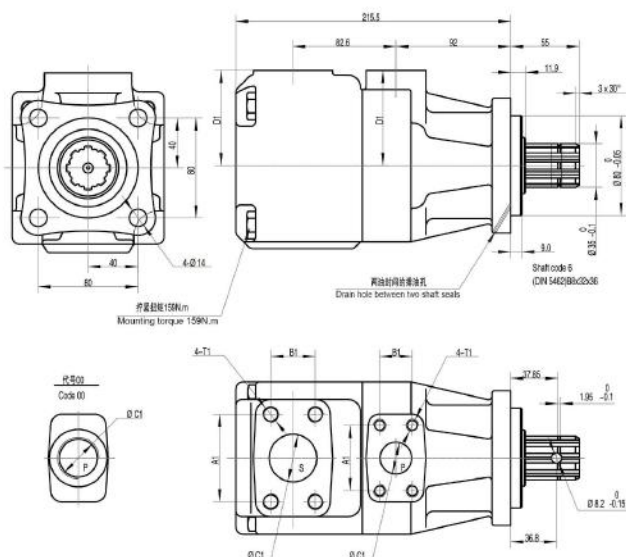
型号 Model	轴伸代号 Shaft code	最大扭矩 Max Torque (N.m)	L1	L2	DIA	K1xK2	H1	M1
T6TEDB TBEDC、TEEDCS	1	●	92.0	63.0	45h7	14h7x9	48.5	M12x24
TEEDCS	2	●	100.0	63.5	44.45/44.40	11.11x11.06	49.3	1/2-UNC2x4
	3	●	75.0	48.8	SAE J408B 10, 规格 8/8, 13号 SAE J408B 10, 规格 8/8, 13号			-

● 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 Dimension(mm)				
				A1	B1	ΦC1	D1	下口螺纹Thread
T6TEDB	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" 00: 1"	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

安装连接尺寸 / Installation Dimensions

T6GC, T7GB



油口/Oil port			法兰 Flange	安装尺寸/Install Dimension(mm)				
				A1	B1	ΦC1	D1	1/4口螺纹Thread
T6GC T70B	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

T6GC、T7GB系列叶片泵 **T6GC、T7GB Series-vane pumps**



液压符号
Hydraulic Sign



液压符号
Hydraulic Sign



型号说明 Model designation

T6GCC	-B28	-B10	-6	R	00	-A	1	01
系列号 Series	轴流泵标准代号 Flow shaft end pump	漩涡泵标准代号 Flow cover end pump	轴伸形状 Shaft shape	旋转方向 Rotation	出口位置 Outlet position	设计号 Design number	密封等级 Sealing Level	港口尺寸 Port dimensions
T6GC	B03, B05, B06, B08, B10, B12, B14, B17, B20, B22, B25, B28, B31	无轴流 No		从泵的轴伸看 View from shaft end of pump	单吸(Single pump) (从泵的轴伸看) (View from shaft end of pump) 00-进出口同侧 Opposite inlet port 01-进出口同侧 Inlet with inlet 02-从进口口顺时针90° 90° CW from inlet 03-从进口口逆时针90° 90° CW from inlet	A	1-S1, 丁腈橡胶 NBR Nitrile rubber	00: 法兰端盖 Flange "TSB" 01: SAE法兰 Flange SAE 02: 法兰(SAE) Flange SAE 见安装连接尺寸 See installation dimensions
T7GB	B02, B03, B04, B05, B06, B07, B08, B10, B12, B15			从泵的轴伸看 View from shaft end of pump				
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	从泵的轴伸看 View 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	双吸泵 Double pump 见下图 See picture below	B	5-S5, 氟橡胶 Fluoro-rubber 00, 01, 10, 11 见安装连接尺寸 See installation dimensions
T7GCB	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表示双转向型配流板结构 B means the two steering valve plate structure

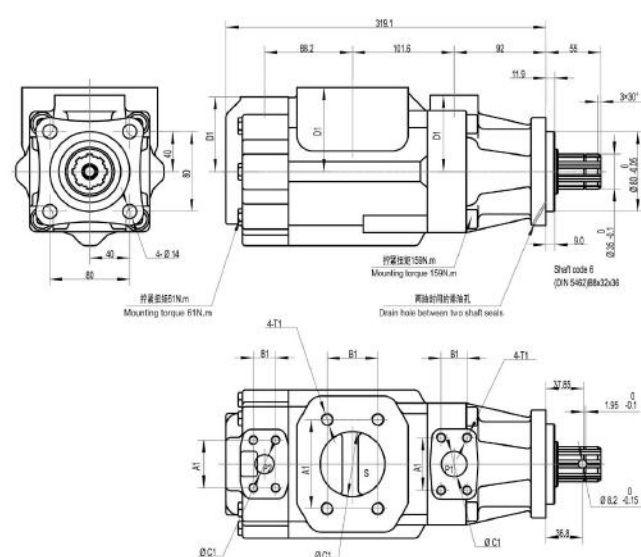
油口位置(从泵的轴端看) Port positions (Views from shaft end of pump)

T6GCC
T7GGB
T6GCB

T6GCC
T7GBB
T67GCB

安装连接尺寸 Installation Dimensions

T6GCC, T67GCB, T7GBB



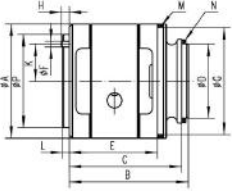
油口/Oil port			法兰 Flange	安装尺寸/Install Dimension(mm)				
				A1	B1	ΦC1	D1	T1口螺纹Thread
T6GCC T7GCB T7GCB	P1	1"	F08	26.2	52.4	25.4	76.2	3/8"-16UNCx19.0
	P2	01611: 3/4"	F06	22.2	47.6	19.0	76.2	3/8"-16UNCx19.0
		00810: 1"	F08	26.2	52.4	25.4	74.7	
	S	10611: 2-1/2"	F20	50.8	88.9	63.5	84.1	1/2"-13UNCx23.8
		00811: 2"	F24	51.9	105.4	76.2	84.1	5/8"-11UNCx26.9

T6、T7系列泵芯 T6、T7 Series-cartridge



型号说明 / Model designation				
前泵芯 Front Kit	T6DC	排量代号 Flow code	R	1
泵芯名称 Cartridge name	系列号 Series	排量代号 Flow code	旋转方向 Rotation	密封等级 Sealing Level
单泵芯 前泵芯 (双联泵或三联泵轴端泵芯) 中泵芯 (三联泵中间泵芯) 后泵芯 (双联泵或三联泵轴端泵芯) Single pump kit Front kit double or treble pump Middle kit of treble pump Rear kit of double or treble pump	T7B(S), T7BB(S), T67CB, T67DB, T67EB, T67DBB, T67DCB, T67DOB, T67EDB T7D(S), T7DB(S), T7ED(S), T67DC, T67ED T7E(S), T7EE(S), T7ED(S) T6C, T6CC, T67CB, T6DC, T6EC, T6DCC, T67DCB, T6DDCS, T6EDC(S) T6D, T6DC, T67DB, T6ED, T6DCC, T67DBB, T67DCB, T6DDCS, T67DOB, T67EDB T6E, T6EC, T67EB, T6ED, T6EDC(S), T67EDB	B02, B03, B04, B 05, B06, B07, B08, B10, B12, B15 B14, B17, B20, B22, B24, B28, B31, B35, B38, B42 042, 045, 050, 052, 054, 057, 062, 066, 072, 085 003B03, 005B05, 006B06, 008B08, 010B10, 012B12, 014B14, 017B17, 020B20, 022B22, 025B25, 028B28, 031B31 014B14, 017B17, 020B20, 024B24, 026B26, 031B31, 035B35, 038B38, 042B42, 045B45, 050B50, 061 042, 045, 050, 052, 057, 062, 066, 072, 085	从泵的轴端看 (View 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	1-S1, 丁腈橡胶 NBR Nitrile rubber 5-S5, 氟橡胶 Fluoro-rubber

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。
003/B03: In displacement code, 0 means single steering valve plate structure, B means the two steering valve plate structure.



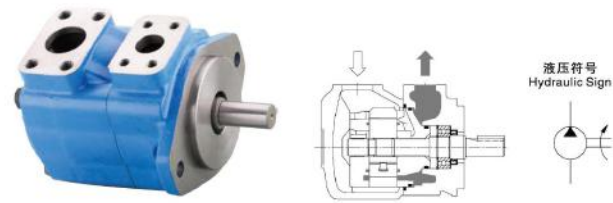
型号说明 / Model designation

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 Single pump kit T6C, T7B(S)	Φ15.90													
前泵芯 Front kit T6CC, T67CB, T7BB(S)	无滑动轴承 No													
后泵芯 Rear kit T6CC, T7BB(S), T67CB, T6DCC, T67DBB, T67DOB, T67EDC(S), T67EDB	Φ19.05	95.25	99.4	93.9	61.9	72.1	4.8	89.1	4.8	43.7	88.5×3.63	60×3.53	77.7	5.5
中泵芯 Middle kit T6DCC, T67DOB, T67DCB	无滑动轴承 No	95.25	83.4	77.3	52.6	-	4.8	-	4.8	43.7	89×2.4	52×2.4	77.7	5.5
前泵芯 Single pump kit T6D, T7D(S), 前泵芯 Front kit T6DCC, T67DOB, T67DCB	Φ22.225													
后泵芯 Rear kit T6D, T67DB, T7DB(S), T7DOB(S), T6DCC, T6DCCS, T67DOB	无滑动轴承 No	123.0	132.4	125.8	71.9	102.2	6.4	108.1	8.0	41.2	107.5×3.53	89.5×3.53		
后泵芯 Rear kit T6ED, T7D(S), 中泵芯 Middle kit T6DCC(S), T67DOB	Φ28.6													
前泵芯 Rear kit T6DCC(S), T67DOB	Φ22.225													
单泵芯 Single pump kit T6E, T7E(S)	Φ28.6	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		
前泵芯 Front kit T6ED, T6CC, T67EB, T7EB(S), T6EDC(S), T67EDB, T67EC	无滑动轴承 No													

泵芯名称 Cartridge name					转子内花键齿参数 Inside spline tooth outline parameter of rotor				
齿数 Number of teeth	齿节 Pitch	压力角 Pressure angle	大径 Major diameter	小径 Minor diameter					
前泵芯 Front kit T6CC, T7BB(S), T67CB, 中泵芯 Middle kit T6DCC, T67DOB, T67DCB	32	40/80	45°	21.41	19.9				
单泵芯 Single pump kit T6C, T7B(S), 后泵芯 Rear kit T6CC, T7BB(S), T7DB(S), T7DOB(S), T67CB, T6DC, T67DB, T6EC, T67EB, T67EC, T67EC, T6DCC, T67DOB, T67DCB, T6DDCS, T67DOB, T6EDC(S), T67EDB	28	40/80	45°	18.87	17.4				
单泵芯 Single pump kit T6D, 前泵芯 Single pump kit T6CC, T67DB, T67DOB, T67DCB, T6DDCS, 中泵芯 Middle kit T6DCC(S), T67DOB, 后泵芯 Rear kit T6ED, T7ED(S), T7EE(S)	25	24/48	45°	28.19	25.8				
中泵芯 Middle kit T6DDCS, T6DDBS	20	24/48	45°	22.89	20.5				
单泵芯 Single pump kit T6E, T7E(S) 前泵芯 Single pump kit T6EC, T67EB, T6ED, T6EDC(S), T67EDB	34	24/48	45°	37.72	35.4				

VQ系列叶片泵 VQ series vane pumps

VQ系列单泵 VQ Series-single pumps



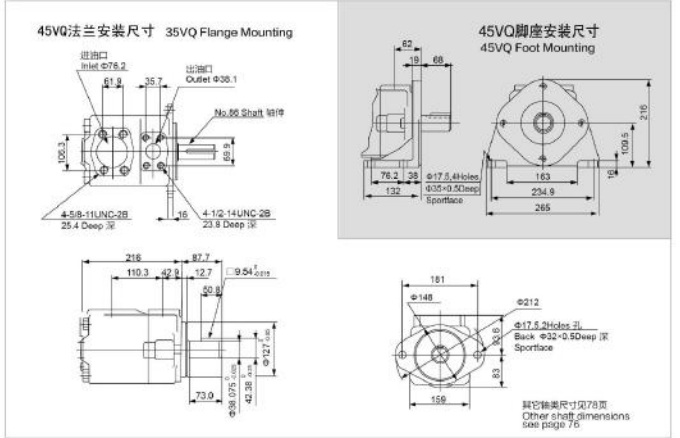
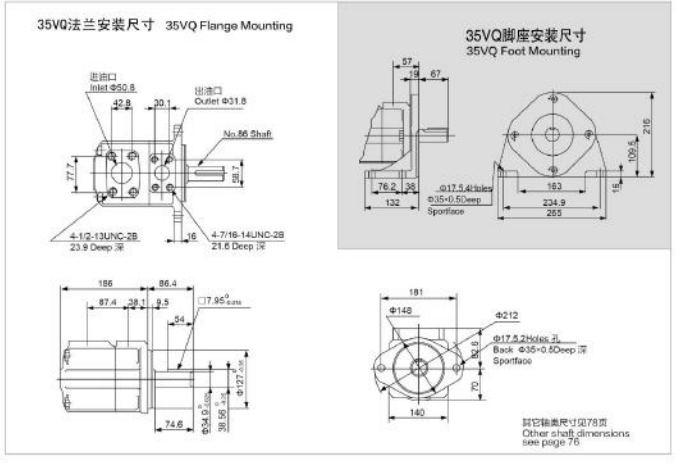
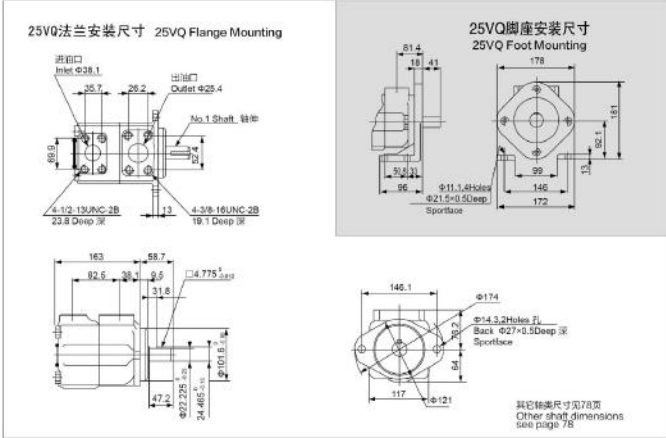
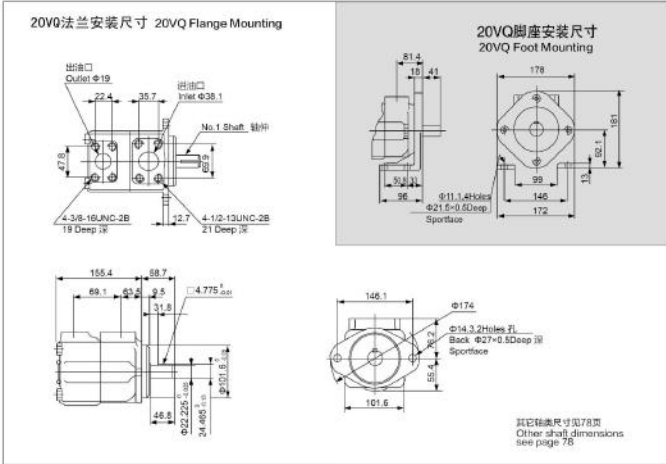
型号说明 / Model instruction

(F3-)	25VQ	19	A	(F)	-1	A	30	R
前注 Note	系列号 Series	排量代号 Flow code	接口连接 Port connection	安装形式 Installation type	轴伸形式 Shaft type	出油口位置 Outlet Positions	设计号 Design number	旋转方向 Rotation
无标记 No-marking	20VQ	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14			1-平键轴 1-Str key 151-花键轴 151-Spline	(从泵的轴端看) (Viewed from cover end of pump)	30	(从泵的轴端看) (Viewed from cover end of pump)
石油系油 Petrolium series oil	25VQ	10, 12, 14, 15, 17, 19, 21, 25		法兰安装型 Flange Mounting	1-平键轴 1-Str key	A-进油口对面 A-Opposite inlet port		
乳化液 emulsification fluid						B-从进油口逆时针90° B-90° CCW from inlet		
水-乙二醇 water glycol-fluid	35VQ	21, 25, 30, 32, 35, 38, 45	A-SAE 4 螺栓法兰 4-bolt flange	F-脚座安装型 F-Foot Mounting	86-重型平键轴 HD 86-HD str key	C-进油口同侧 C-Inline with inlet	20	R-顺时针旋转 R-Right hand for clockwise
F3: 磷酸酯油 F3: phosphate ester fluid	45VQ	42, 45, 50, 57, 60, 66, 75			11-花键轴 11-Spline	D-从进油口顺时针90° D-90° CW from inlet		L-逆时针旋转 L-Left hand for clockwise

注: 在1200min和0.69MPa(100psi)下的额定排量
USGpm Flow(USGpm)at 1200/min and 0.69MPa

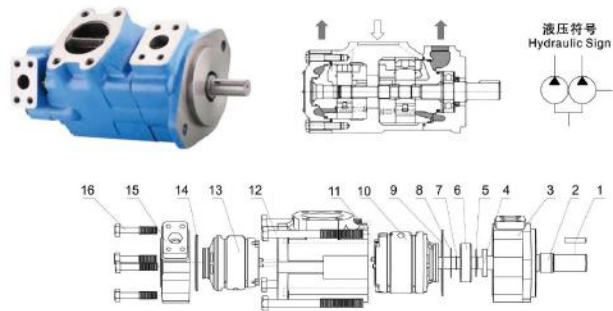
技术参数 / Technical Data

系列号 Series	排量代号 Flow code (USGpm)	理论排量 Grometric displacement mL/r (in ³ /r)	最高使用压力 Max.operating pressure (Mpa)	最高转速 Max.speed (r/min)	最低转速 Min.speed (r/min)
20VQ	2	7(0.43)	21	2700	600
	3	10(0.61)			
	4	13(0.79)			
	5	16.5(1.01)			
	6	19(1.16)			
	7	22(1.40)			
	8	27(1.67)			
	9	30(1.85)			
	10	31.5(1.92)			
	11	35(2.14)			
	12	40(2.44)			
	14	45(2.78)			
	10	32(1.95)			
	12	38(2.32)			
25VQ	14	43.5(2.65)	21	2700	600
	15	47(2.89)			
	17	54(3.30)			
	19	60(3.66)			
	21	67(4.13)			
	25	79.2(4.83)			
	21	67(4.13)			
	25	81(4.94)			
	30	95(5.80)			
	32	101(6.16)			
35VQ	35	109(6.65)	21	2700	600
	38	119(7.26)			
	45	143(8.72)			
	42	134(8.17)			
	45	143(8.72)			
	50	159(9.70)			
	57	181(11.05)			
	60	189(11.53)			
	66	210(12.81)			
	75	237(14.46)			



VQ系列双联泵

VQ Series double Pumps



序号NO.	名称Part	数量Qty	序号NO.	名称Part	数量Qty	序号NO.	名称Part	数量Qty
1	平键 straight key	1	7	轴用弹性挡圈 Cir Clip For Shaft	1	13	后泵芯 Rear Cartridge	1
2	轴 shaft	1	8	叠形挡圈 Plate Type Retainer	1	14	O型圈 O Ring	1
3	前盖 front cover	1	9	O型圈 O Ring	1	15	后盖 Rear Cover	1
4	轴封 shaft seal	1	10	前泵芯 Front Cartridge	1	16	六角头螺栓 Hexagon Headed Bolt	4
5	垫片 Gasket	1	11	泵体 Body	1			
6	滚动轴承 ball bearing	1	12	六角头螺栓 Hexagon Headed Bolt	4			

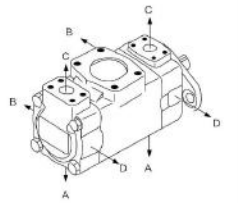
型号说明 Model designation

(F3)-	3525VQ	38	A	17	(F)	-1	AS	20	R
备注 Note	系列号 Series	▲轴端安装型代号 Flow-shaft end pump	出口连接 Port connection	▲泵体安装型代号 Flow-cover end pump	安装形式 Installation type	轴杆形式 Shaft type	出口位置 Outlet Positions	设计号 Design number	旋向 Rotation
无标记 No-marking	2520VQ	10, 12, 14, 15, 17, 19, 21, 25		2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14	无标记 No-marking	1-平键轴 1-Ste key			(从泵的端面看) (Viewed from cover end of pump)
石油系油 Petroleum series oil	3520VQ	21, 25, 30, 32, 35, 38, 45		2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14	无标记 No-marking	1-平键轴 1-Ste key			
乳化液 emulsification fluid	3525VQ	21, 25, 30, 32, 35, 38, 45	A-SAE 4螺栓法兰 4-bolt flange	10, 12, 14, 15, 17, 19, 21, 25	法兰安装型 Flange Mounting	66-重型平键轴HD 66-HD str key	见下表 See below	20	R-顺时针旋转 R-Right hand for clockwise
水-乙二醇 water glycol-fluid	4520VQ	42, 45, 50, 57, 60, 66, 75		2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14	F-脚架安装型 F-Foot Mounting	11-花键轴 11-Spline			L-逆时针旋转 L-Left hand for clockwise
F3: 磷酸酯液 F3: phosphate ester fluid	4525VQ	42, 45, 50, 57, 60, 66, 75		10, 12, 14, 15, 17, 19, 21, 25					
	4535VQ	42, 45, 50, 57, 60, 66, 75		21, 25, 30, 32, 35, 38, 45					

注: 在1200/min和0.69MPa(100psi)下的额定流量 USgpm Flow(USgpm)at 1200/min and 0.69MPa

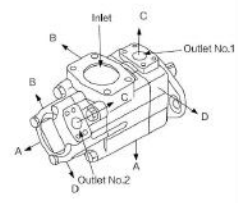
出口口位置 (从泵的端面看) Outlet Positions (Viewed from cover end of pump)

出口口位置 Outlet positions	除4535V外的所有系列 All series expect 4535V	4535V
CA 第二出口口在进油口逆时针135° No.2 outlet 135° CCW from inlet	第二出口口在进油口对面 No.2 outlet opposite inlet	
CB 第二出口口在进油口逆时针45° No.2 outlet 45° CCW from inlet	第二出口口在进油口逆时针90° No.2 outlet 90° CCW from inlet	
CC 第二出口口在进油口顺时45° No.2 outlet 45° CW from inlet	第二出口口在进油口同侧 No.2 outlet inline with inlet	
CD 第二出口口在进油口顺时135° No.2 outlet 135° CW from inlet	第二出口口在进油口顺时90° No.2 outlet 90° CW from inlet	
DA 第二出口口在进油口逆时针135° No.2 outlet 135° CCW from inlet	第二出口口在进油口对面 No.2 outlet opposite inlet	
DB 第二出口口在进油口逆时针45° No.2 outlet 45° CCW from inlet	第二出口口在进油口逆时针90° No.2 outlet 90° CCW from inlet	
DC 第二出口口在进油口顺时45° No.2 outlet 45° CW from inlet	第二出口口在进油口同侧 No.2 outlet inline with inlet	
DD 第二出口口在进油口顺时135° No.2 outlet 135° CW from inlet	第二出口口在进油口顺时90° No.2 outlet 90° CW from inlet	



出口口位置 (从泵的端面看) Outlet Positions (Viewed from cover end of pump)

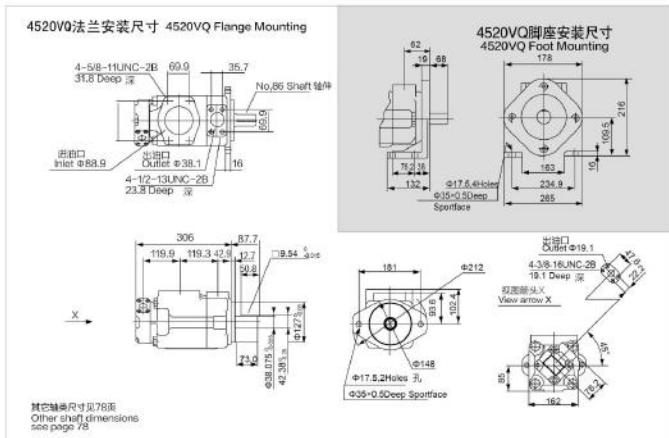
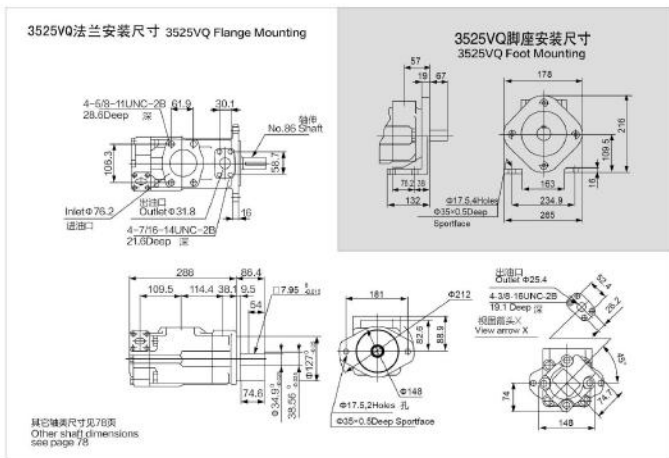
出口口位置 Outlet positions	除4535VQ外的所有系列 All series expect 4535VQ	4535VQ
AA 第二出口口在进油口逆时针135° No.2 outlet 135° CCW from inlet	第二出口口在进油口对面 No.2 outlet opposite inlet	
AB 第二出口口在进油口逆时针45° No.2 outlet 45° CCW from inlet	第二出口口在进油口逆时针90° No.2 outlet 90° CCW from inlet	
AC 第二出口口在进油口顺时45° No.2 outlet 45° CW from inlet	第二出口口在进油口同侧 No.2 outlet inline with inlet	
AD 第二出口口在进油口顺时135° No.2 outlet 135° CW from inlet	第二出口口在进油口顺时90° No.2 outlet 90° CW from inlet	
BA 第二出口口在进油口逆时针135° No.2 outlet 135° CCW from inlet	第二出口口在进油口对面 No.2 outlet opposite inlet	
BB 第二出口口在进油口逆时针45° No.2 outlet 45° CCW from inlet	第二出口口在进油口逆时针90° No.2 outlet 90° CCW from inlet	
BC 第二出口口在进油口顺时45° No.2 outlet 45° CW from inlet	第二出口口在进油口同侧 No.2 outlet inline with inlet	
BD 第二出口口在进油口顺时135° No.2 outlet 135° CW from inlet	第二出口口在进油口顺时90° No.2 outlet 90° CW from inlet	



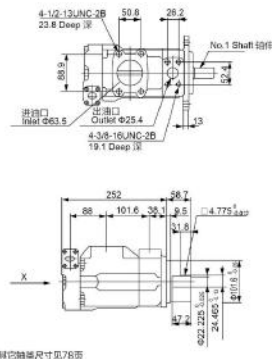
产品重量 Product weight

产品名称 Product name	型号 Series	重量 Weight kg	产品名称 Product name	型号 Series	重量 Weight kg	产品名称 Product name	型号 Series	重量 Weight kg
泵芯 Cartridge	20VQ、SQP1	3.0	单泵 Single pump	20VQ	13.0	单泵 Single pump	SQP1	16.7
	25VQ、SQP2	4.0		25VQ	15.0		SQP2	28.0
	35VQ、SQP3	7.0		35VQ	24.0		SQP3	38.0
	45VQ、SQP4	11.0		45VQ	37.0		SQP4	65.0
	T6C、T6CC	4.1		T6C	15.7		PV2R1	9.0
	T6D	8.3		T6D	24.0		PV2R2	17.0
	T6E	12.8		T6E	43.0		PV2R3	33.0

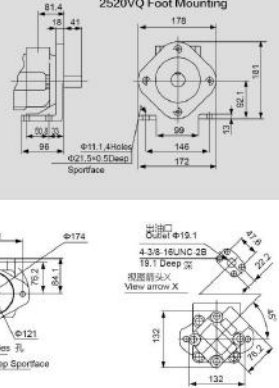
产品名称 Product name	型号 Series	重量 Weight kg	产品名称 Product name	型号 Series	重量 Weight kg	产品名称 Product name	型号 Series	重量 Weight kg
双联泵 Double pumps	2520VQ	23.0	双联泵 Double pumps	SQP21	34.0	双联泵 Double pumps	T6CC	26.0
	3520VQ	33.0		SQP31	48.0		T6DC	36.6
	3525VQ	35.0		SQP32	50.0		T6EC	55.0
	4520VQ	46.0		SQP41	80.0		T6ED	66.0
	4525VQ	48.0		SQP42	85.0		PV2R21	23.0
	4535VQ	58.0		SQP43	95.0		PV2R31	41.0
							PV2R32	45.0



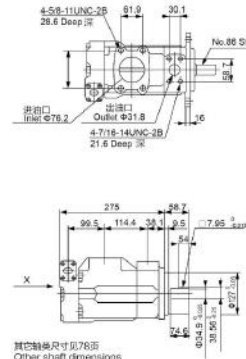
2520VQ法兰安装尺寸 2520VQ Flange Mounting



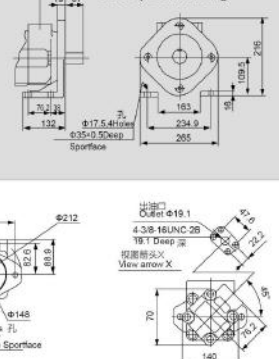
2520VQ脚座安装尺寸 2520VQ Foot Mounting



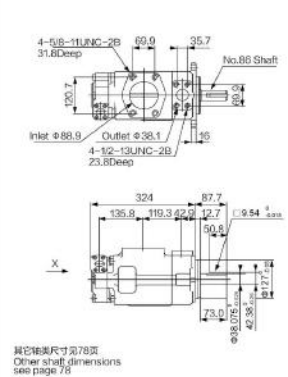
3520VQ法兰安装尺寸 3520VQ Flange Mounting



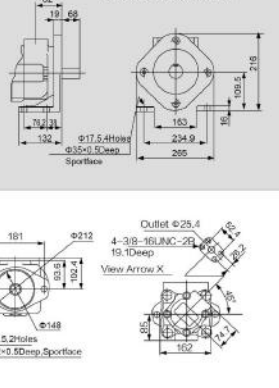
3520VQ脚座安装尺寸 3520VQ Foot Mounting



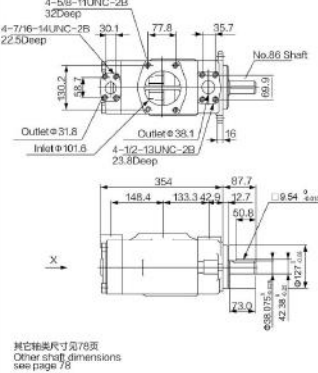
4525VQ法兰安装尺寸 4525VQ Flange Mounting



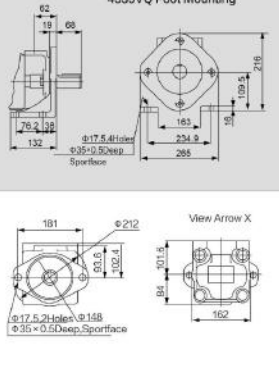
4525VQ脚座安装尺寸 4525VQ Foot Mounting



4535VQ法兰安装尺寸 4535VQ Flange Mounting

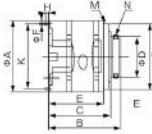


4535VQ脚座安装尺寸 4535VQ Foot Mounting



VQ系列泵芯

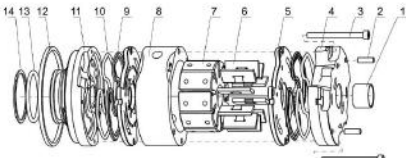
VQ Series cartridge



型号说明 Model designation

(F3)	PC-	25VQ	19	R	10
前注 No-marking	泵芯标记 Cartridge mark	系列号 Series	排量代号 Flow code	旋转方向 Rotation	设计号 Design number
无标记 No-marking	PC-单泵泵芯	28VQ	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14	(从泵的轴端看) (Viewed from cover end of pump)	10
石油系油 Petroleum series oil	双联泵泵芯 Cartridge kit of single pump double pump shaft end	25VQ	10, 12, 14, 15, 17, 19, 21, 23	R-顺时针旋转 R-Right hand for clockwise	
乳化液 emulsification fluid		35VQ	21, 25, 30, 32, 35, 38, 45	L-逆时针旋转 L-Left hand for clockwise	
水-乙二醇 water/glycol-fluid	PCT-双联泵泵芯 Cartridge kit of double pump cover end	45VQ	42, 45, 50, 57, 60, 66, 75		
F3: 磷酸酯油 F3: phosphate ester fluid					

注: 在1200rpm和0.69MPa(100psi)下的额定排量, 与相应系列, 规格的泵性能参数一致, 详见VQ系列泵的性能参数
USgpm Flow(USgpm) at 1200rpm and 0.69MPa, the data of relevant series, model are unanimous. Please see V series-single pump data.



序号 NO.	名称 Part	数量 Qty	序号 NO.	名称 Part	数量 Qty	序号 NO.	名称 Part	数量 Qty
1	滑环轴承 Ball Bearing	1	6	叶片 Ball Vane Kit	10	11	压力平衡 Outlet Support plate	1
2	销 Pin	2	7	转子 Rotor	1	12	挡圈 Retainer	1
3	内六角圆柱头螺钉 Hexagon socket head cap screws	2	8	定子 Cam Ring	1	13	O型圈 O shape retainer	1
4	铜板 Inlet Support Plate	1	9	异形挡圈 irregular shape retainer	4	14	挡圈 Retainer	1
5	铜板 Flex plate	2	10	异形挡圈 irregular shape retainer	4			

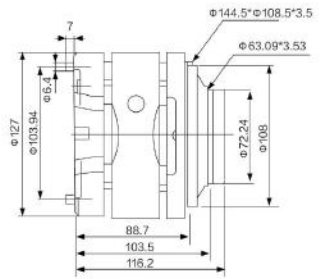
技术参数 Technical Data

系列号 Series	ΦA	B	C	ΦD	E	ΦF	ΦG	H	K	M(挡圈) Gasket	N(O形圈) O-Ring
20VQ	82.55	81.5	70.1	47.2	61.5	4.8	76.2	7	73.8	82.76×76.26×3.5	40×3.55
25VQ	96.8	96.8	87	52.2	71.2	4.8	90.5	7	88.19	97×91×3.5	44×3.53
35VQ	114.3	117.7	105	72.2	90.3	6.4	108	7	103.94	114.5×108.5×3.5	63.09×3.53
45VQ	133.35	141.1	129.6	80.2	105.5	6.4	127	11	123.8	133.6×127.6×3.5	71×3.55

系列号 Series	齿数 Number of teeth	齿距 Pitch	压力角 Pressure angle	大径 Major diameter	小径 Minor diameter
20VQ	30	48/96	45°	16.617	15.56
25VQ	40	48/96	45°	21.9	20.86
35VQ	37	40/80	45°	24.38	23.10
45VQ	14	12/24	30°	32.59	27.6

28VQH系列泵芯

28VQH series cartridge kits



型号说明 Model designation

F3	-28VQH	-22	-10	-R
	系列 Series	排量代号 Flow code	设计号 Design number	旋转方向 (从压力侧看) Rotation (Viewed from outlet support plate)
F3: 氟橡胶密封件 F3: Fluoro rubber seals 没有标准密封件 No standard seals	28VQH	19 22	10	R-顺时针旋转 R-Right hand for clockwise L-逆时针旋转 L-Left hand for clockwise

技术参数 Technical Data

系列号 Series	排量代号 Flow code	理论排量 Geometric displacement ml/r	最高连续使用压力 Max. continuous pressure (MPa)	最高压力 Max. pressure (MPa)	最高转速 Max. speed (rpm)
28VQH	19	60	24	26.5	2500
	22	70	24	26.5	2500

转子内花键齿廓参数 Inside spline tooth outline parameter of rotor

齿数 Number of teeth	齿距 Pitch	压力角 Pressure angle	大径 Major angle	小径 Minor angle
40	48/96	45°	21.9	20.86

30VQ系列叶片泵 30VQ series vane pumps

型号说明 Model designation

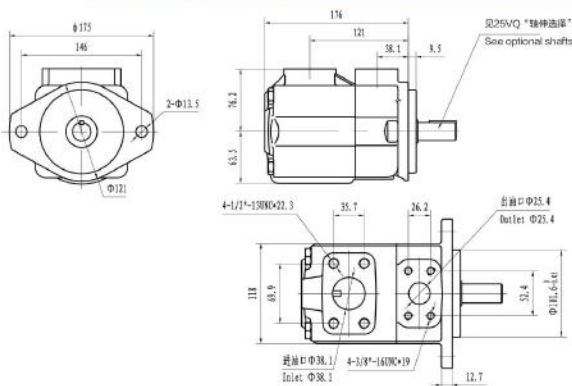
F3	-30VQ	-28	-A	-1	-A	-22	-R
	系列 Series	排量代号 Flow code	油口连接 Port connections	轴伸形式 Shaft type	出油口位置 Outlet positions	设计序号 Design number	旋转方向 (从泵的轴端看) Rotation (Viewed from cover end of pump)
F3: 氟橡胶密封件 F3 Fluoro rubber seals 无要求时省略 Omit if not required	30VQ	24 28	A-SAE 4螺栓连接 A-SAE 4-bolt flange	平键-1 Str key-1 重载平键-86 HD str key-86 花键-11 Spline-11	从泵的盖面看 Viewed from cover end of pump A-在进油口对面 B-从进油口对面旋转90° C-在进油口侧 D-从进油口对面旋转60° A- Opposite inlet port B-90° CCW from inlet C-Inline with inlet D-90° CW from inlet	22	R-右旋, 可省略 R-Right hand for clockwise, omit L-左旋 L-Left hand for counterclockwise

在1200rpm和0.7MPa下的流量 (USgpm) Flow(USgpm) at 1200rpm and 6.9bar

技术参数 Technical Data

系列号 Series	排量代号 Flow code	理论排量 Geometric displacement ml/r	最高使用压力 Max. pressure (MPa)	最高转速 Max. speed (rpm)	最低转速 Min. speed (rpm)
30VQ	24	80	21	2500	600
	28	89	21	2500	

安装连接尺寸 Installation Dimensions



30VQ系列泵芯 30VQ series cartridge kits

型号说明 Model designation

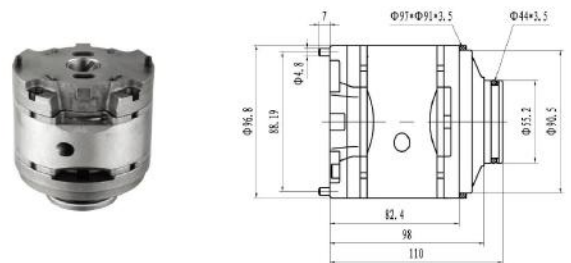
F3	-PC	-30VQ	-28	-10	-R
	泵芯标记 Cartridge kit mark	系列号 Series	排量代号 Flow code	设计号 Design number	旋转方向 (从泵的轴端看) Rotation (Viewed from cover end of pump)
F3: 氟橡胶密封件 F3: Fluoro rubber seals 无要求时省略 Omit if not required	PC-单泵及双联泵泵芯 PCT-双联泵泵芯 PC-Cartridge kit of single pump and double pump shaft end PCT-Cartridge kits of double pump cover end	30VQ	24 28	10	R-右旋, 可省略 R-Right hand for clockwise, omit L-左旋 L-Left hand for counterclockwise

在1200rpm和0.7MPa下的流量 (USgpm) Flow(USgpm) at 1200rpm and 6.9bar

技术参数 Technical Data

系列号 Series	排量代号 Flow code	理论排量 Geometric displacement ml/r	最高使用压力 Max. pressure (MPa)	最高转速 Max. speed (rpm)	最低转速 Min. speed (rpm)
30VQ	24	80	21	2500	600
	28	89	21	2500	

安装连接尺寸 Installation dimensions



转子内花键齿廓参数 Inside spline tooth outline parameter of rotor

齿数 Number of teeth	齿距 Pitch	压力角 Pressure angle	大径 Major angle	小径 Minor angle
40	48/96	45°	21.9	20.86

VQT系列叶片泵
VQT Series vane pump

型号说明 Model designation

F3	-25VQT	-A	-B	-21	-A	-2	-297
	系列号 Series	通轴驱动连接 Through drive connection	安装法兰 Mounting flange	排量代号 (geometric displacement)	油口连接 Port connections	联轴器 Thr-drive coupling	轴伸形式 Shaft type
F3: 氟橡胶密封件 F3: Fluoro rubber seals	25VQT	A	B 101-2	12, 14, 17, 21	A-SAE 4 -螺栓法兰	2-啮合供油的 SAE动密封 联轴器	202-平键 203-重载平键 297-花键
没有标准密封件 No: standard seals	45VQT	C	C 127-2	25, 30, 35, 38	A-SAE 4 -bolt flange	2-SAE spined coupling included with pump	202-Straight key 203-Straight key 297-Splined

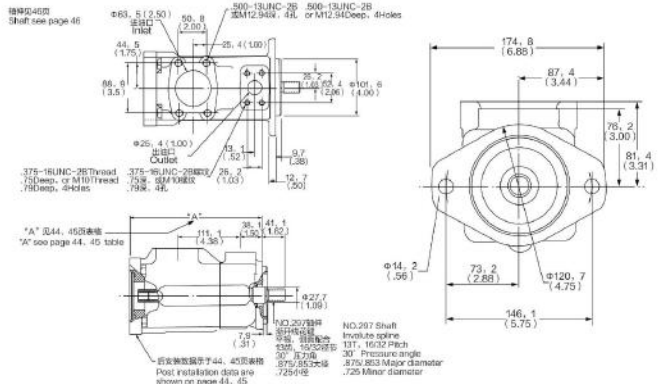
-A	-A	-20	-R
出口位置 Outlet position	适配器安装 Adapter mounting orientation	设计号 Design number	旋转方向 Rotation
(从泵盖的视图) (Viewed from cover end of pump)	A-A 过流体的泵安装法兰逆时针旋转45° A-A adapter flange rotated 45° CW with respect to pump mtg flg.		L-左旋 (逆时针) L-Left hand (counterclockwise)
A-在进口对面 A-Opposite inlet port	A-B 过流体的泵安装法兰逆时针旋转90° A-B adapter flange rotated 90° CCW with respect to pump mtg flg.	21-29	
B-从进口逆时针90° B-90° CCW from inlet	B-A 过流体的泵安装法兰逆时针旋转45° B-A adapter flange rotated 45° CCW with respect to pump mtg flg.		R-右旋 (顺时针) R-Right hand (clockwise)
C-在进口对面 C-Inline with inlet	B-B 过流体的泵安装法兰逆时针旋转90° B-B adapter flange rotated 90° CCW with respect to pump mtg flg.		
D-从进口逆时针90° D-90° CCW from inlet			

技术参数 Technical Data

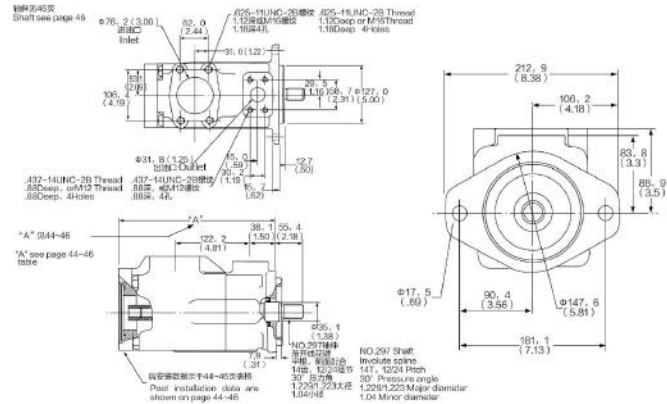
系列号 Series	流量代号 Flow code USgpm @1200 r/min 7 bar(100psi)	理论排量 Geological Displacement	最高转速 Max speed /min	最高压力 Max pressure bar (psi)	流量 Flow Limit(USgpm) @最高转速 和最高压力 Max speed and Max pressure	输入功率 Input Power(kw) @最高转速 和最高压力 Max speed and Max pressure	近似重量 approximate weight kg(lb.)
25VQT-S	12	40.2 (2.45)	2700	210(3000)	88.5 (23)	41.0 (55)	19.5 (43)
	14	45.4 (2.77)	2700	210(3000)	103.8 (27)	46.6 (62.5)	
	17	55.2 (3.37)	2500	210(3000)	119.2 (31)	51.8 (69.5)	
35VQT-S	21	67.5 (4.12)	2500	210(3000)	146.2 (38)	61.9 (83)	28.6 (63)
	25	81.6 (4.98)	2500	210(3000)	173.1 (45)	75.3 (101)	
	30	97.7 (5.96)	2500	210(3000)	211.5 (55)	87.7 (117.5)	
45VQT-S	35	112.8 (6.88)	2400	210(3000)	230.8 (60)	98.5 (132)	38.2 (84)
	38	121.6 (7.42)	2400	210(3000)	250.0 (65)	104.4 (140)	
	42	138.7 (8.46)	2200	175(2500)	255.8 (66.5)	91.4 (122.5)	
	50	162.3 (9.90)	2200	175(2500)	303.8 (79)	105.2 (141)	
	60	193.4 (11.80)	2200	175(2500)	369.2 (96)	126.8 (170)	

安装连接尺寸 Installation Dimensions

25VQT系列 25VQT series

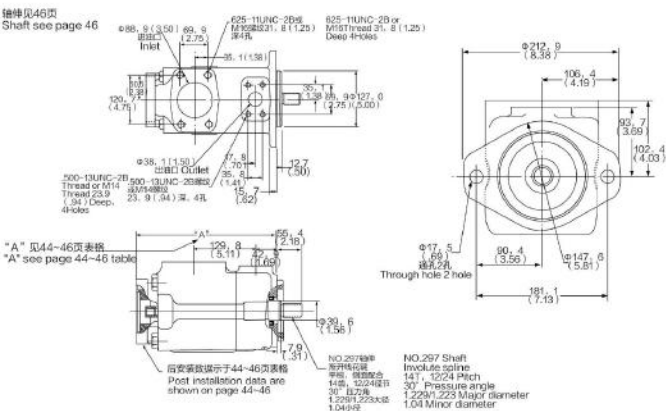


35VQT系列 35VQT series



安装连接尺寸 Installation Dimensions

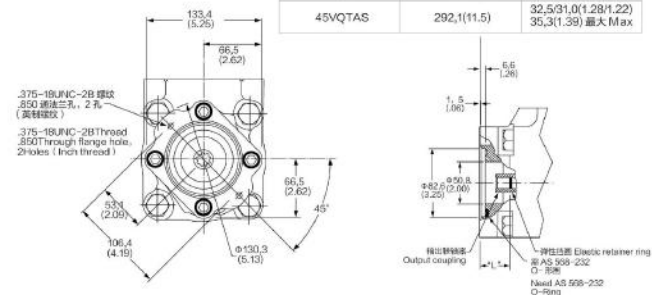
45VQT系列 45VQT series



安装连接尺寸 Installation Dimensions

“A” 后安装

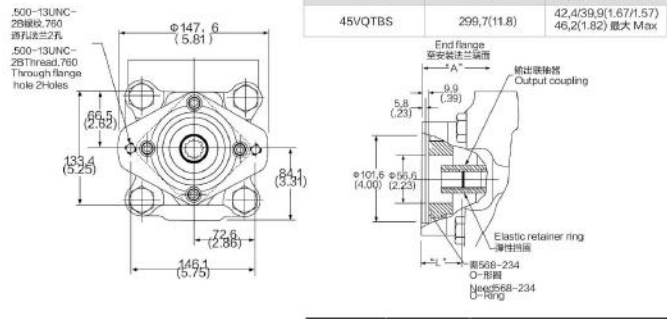
泵型号 Pump series	尺寸 “A” Inch “A”	尺寸 “L” Inch “L”
25VQTAS	236,2(9.3)	32,5(1.01) 1.28(1.22) 33,0(1.30) 最大Max
35VQTAS	259,1(10.2)	32,5(1.01) 1.28(1.22) 35,6(1.40) 最大Max
45VQTAS	292,1(11.5)	32,5(1.01) 1.28(1.22) 35,3(1.39) 最大Max



安装连接尺寸 Installation Dimensions

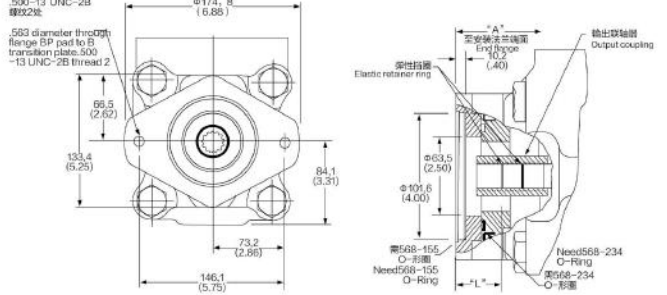
“B” 后安装

泵型号 Pump series	尺寸 “A” Size “A”	尺寸 “L” Size “L”
25VQTBS	246,2(9.7)	42,4(39.9) 1.67(1.57) 45,2(1.78) 最大Max
35VQTBS	269,2(10.6)	42,4(39.9) 1.67(1.57) 46,7(1.84) 最大Max
45VQTBS	299,7(11.8)	42,4(39.9) 1.67(1.57) 46,2(1.82) 最大Max



“BP” 后安装

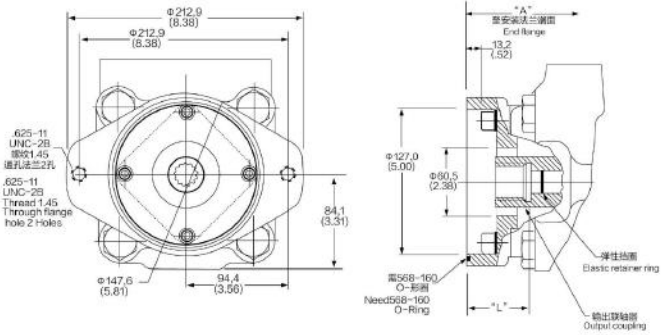
泵型号 Pump series	尺寸 “A” Size “A”	尺寸 “L” Size “L”
25VQTBPS	261,9(10.31)	45,7(43.2) 1.80(1.70) 非SAE标准 45,7(43.2) 1.80(1.70) NonSAE standard
35VQTBPS	284,5(11.20)	45,7(43.2) 1.80(1.70) 非SAE标准 45,7(43.2) 1.80(1.70) NonSAE standard
45VQTBPS	317,0(12.48)	45,7(43.2) 1.80(1.70) 非SAE标准 45,7(43.2) 1.80(1.70) NonSAE standard



安装连接尺寸 Installation Dimensions

“C” 后安装

泵型号 Pump series	尺寸 “A” Size “A”	尺寸 “L” Size “L”
35VQTCS	276,9(10.9)	56,6/54,1(2.23/2.13) 61,2 最大Max
45VQTS	307,3(12.1)	56,6/54,1(2.23/2.13) 61,5(2.42) 最大Max



轴伸 Shaft extension

型号 Series	A	B	ΦC	D	键 Key
25VQT*S	77,7(3.06)	9,53(3/8)	25,40(1.000) 25,35(9/8)	28,19(1.110) 27,94(1.100)	6,35(250)/ ×50,8(2.00)
35VQT*S	84,1(3.31)	12,7(500)	34,90(1.374) 34,87(1.373)	38,56(1.518) 38,30(1.508)	7,94(313)/ ×54,0(2.13)
45VQT*S	90,4(3.56)	12,7(500)	38,07(1.499) 38,05(1.498)	42,37(1.668) 42,11(1.658)	9,53(3/8)/ ×57,2(2.25)

4525VQSV10系列叶片泵/4525VQSV10 Series vane pump

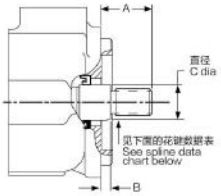
表1 出口位置代号 Outlet position code

从泵端观察的位置 Position viewed from cover end	B No.1出口Outlet	C No.2出口Outlet	A No.3出口Outlet
在进口对面 Opposite inlet	A	A(仅4535VQ)	A
在进口逆时针135° 135° CCW from inlet	-	A	-
在进口逆时针90° 90° CCW from inlet	B	B(仅4535VQ)	B
在进口逆时针45° 45° CCW from inlet	-	B	-
在进口同侧 Inline with inlet	C	C(仅4535VQ)	C
在进口顺时针45° 45° CW from inlet	-	C	-
在进口顺时针90° 90° CW from inlet	D	D(仅4535VQ)	D
在进口顺时针135° 135° CW from inlet	-	D	-

轴伸 Shaft

尺寸-No.297轴伸 Dimensions-No.297 shaft
尺寸: mm(in) Dimensions in millimeters(inches)

型号 Model	A	B	C
2520VQSV10	41,1(1.62)	7,9(.31)	27,7(1.09)
352*VQSV10	55,4(2.18)	7,9(.31)	35,1(1.38)
45**VQSV10	55,4(2.18)	7,9(.31)	40,4(1.59)



花键数据-No.297 轴伸 Spline data-No.297 shaft

尺寸: mm(in) Dimensions in millimeters(inches)

型号 Model	齿数 No. of teeth	节径 Pitch	大径 Major dia	形式直径 Form dia	小径 Minor dia	配合 Fit
2520 VQSV10	13	16/32	21,6(.858) 21,6(.852)	19,0 (.749)	18,16 (.715)	侧面配合 Side fit
352* VQSV10	14	12/24	31,2(1.229) 31,1(1.223)	27,4 (1.08)	26,4 (1.040)	
45** VQSV10	14	12/24	31,2(1.229) 31,1(1.223)	27,4 (1.08)	26,4 (1.040)	

轴伸扭矩值-No.297轴伸

Shaft torque ratings-No.297 shaft

泵系列 Pump series	驱动轴 Drive shaft	最大扭矩值 Max torque capability Nm(lb-in)
2520 VQSV10	“B” 8SAEJ744C-32-4 8SAEJ744 OctB3 “B” press SAEJ744C-32-4 by SAEJ744 OctB3	344(3040)
352* VQSV10	“C” 8SAEJ744C-32-4 8SAEJ744 OctB3 “C” press SAEJ744C-32-4 by SAEJ744 OctB3	791(7000)
45** VQSV10	“C” 8SAEJ744C-32-4 8SAEJ744 OctB3 “C” press SAEJ744C-32-4 by SAEJ744 OctB3	1017(9000)

4525VQSV10系列叶片泵 4525VQSV10 series vane pump



型号说明 Model designation

F3	-4525VQ	-S	-V10	-F	-17	-A	-8	-T
Flange mounting	Series	法兰安装 Flange mounting	单泵系列 Single pump series	V10泵的连接选择 Cover options for V10 pump	轴泵泵排量代号 shaft-end pump displacement code	双泵连接 Double pump port connections	中央泵流量 SAE rated flow, center pump	出口连接 Outlet port connection
F3: 氟橡胶密封件 F3: Fluoro rubber seals	2520VQ			S-标准流 F-内流流控制 和标准流 P-内流流分选 和标准流	10, 12, 14, 15 17, 19, 21, 25	A- 所有SAE 4 螺栓法兰 AM- 米制4螺栓法兰	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14	标准盖 Standard cover
没有标准密封件 No standar seals	4525VQ	S-SAE	V10	S-Standard flow F-Integral flow control S-safety valve P-Integral priority valve 4-safety	21, 25, 30, 32 35, 38, 45	A-All SAE 4-bolt flange AM-Metric 4-bolt flange	10, 12, 14, 15, 17, 19, 21, 25	S
	4535VQ				42, 45, 50, 57 80, 65, 45		21, 25, 30, 32, 35, 38, 45	T K

-3	-S	-297	-B-C-A	-3	-D	-20	-R
直连泵 排量代号 SAE rated flow cover end pump	轴封 Shaft seal	轴伸代号 Shaft code	出口位置 Outlet port position	控制流量代号 Controlled flow rate	溢流阀设定值 Controlled flow rate	设计号 Design	轴旋转方向 Shaft rotation
1, 2, 3, 4, 5, 6, 7	S- 两道轴封 - 单轴封 S- Double seal Blank- Single seal	297- 花键轴 Splined shaft	见表1 Refer to table 1	V10F和V10P 标准溢流阀控制 Controlled flow rate, V10F&V10P Omit for standard cover	V10F和V10P 标准溢流阀控制 Controlled flow rate, V10F&V10P Omit for standard cover	20-29	(从泵的轴端看) L-左旋 (逆时针) R-右旋 (顺时针) (Viewed from shaft end of pump)
				3-11L/min 6-23L/min 4-15L/min 7-27L/min 5-19L/min 8-30L/min	B-35bar G-121bar C-52bar H-140bar D-70bar J-155bar E-80bar K-175bar		

4525VQSV10系列叶片泵/4525VQSV10 Series vane pump

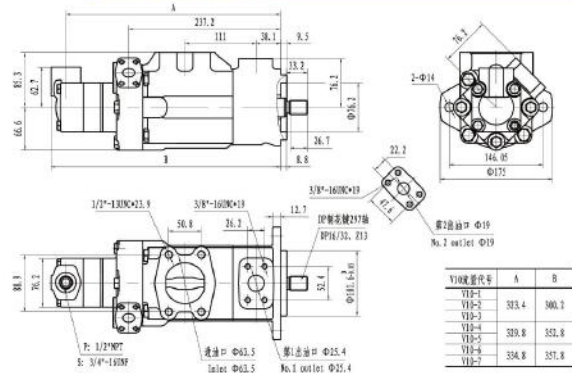
技术参数 Technical Data

系列号 Series	排量代号 Flow code	理论排量 Geometric displacement ml/r	最高连续使用压力 Max.continuous pressure (MPa)	最高压力 Max. pressure (MPa)	最高转速 Max. speed (rpm)
20VQ	2	7(0.43)	21	2700	600
	3	10(0.61)			
	4	13(0.79)			
	5	16.5(1.01)			
	6	19(1.16)			
	7	22(1.40)			
	8	27(1.67)			
	9	30(1.85)			
	10	31.5(1.92)			
	11	35(2.14)			
12	40(2.44)	16			
14	45(2.78)	14			
25VQ	10	32(1.95)	21	2700	600
	12	38(2.32)			
	14	43.5(2.65)			
	15	47(2.89)			
	17	54(3.30)			
	19	60(3.66)			
	21	67(4.13)			
25	79.2(4.83)				
35VQ	21	67(4.13)	21	2500	600
	25	81(4.94)			
	30	95(5.80)			
	32	101(6.16)			
	35	109(6.65)			
	38	119(7.26)			
45	143(8.72)	14			
45VQ	42	134(8.17)	17.5	2400	600
	45	143(8.72)			
	50	159(9.70)			
	57	181(11.05)			
	60	189(11.53)			
	66	210(12.81)			
	75	237(14.46)			
V10	1	3.3	17.2	4800	600
	2	6.6	17.2	4500	
	3	9.8	17.2	4000	
	4	13	17.2	3400	
	5	16.5	17.2	3200	
	6	19.5	15.2	3000	
	7	23	13.8	2800	

测试状态是在1200rpm和0.7MPa下的额定流量 (USgpm) Rated Flow(USgpm) at 1200rpm and 0.7MPa

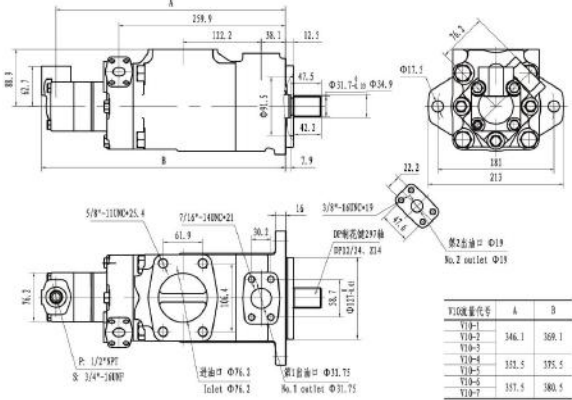
2520VQSV10系列叶片泵 2520VQSV10 series vane pump

安装连接尺寸 Installation Dimensions



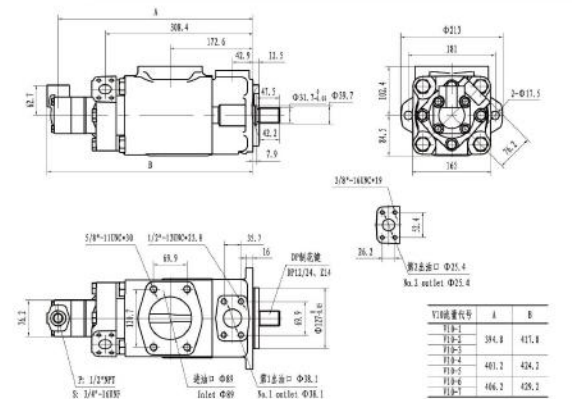
3520VQSV10系列叶片泵 3520VQSV10 series vane pump

安装连接尺寸 Installation Dimensions



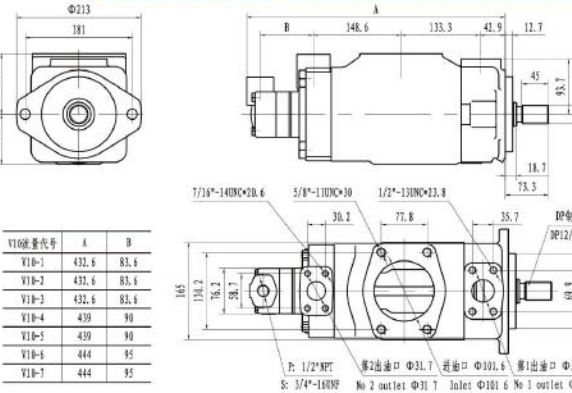
4525VQSV10系列叶片泵 4525VQSV10 series vane pump

安装连接尺寸 Installation Dimensions



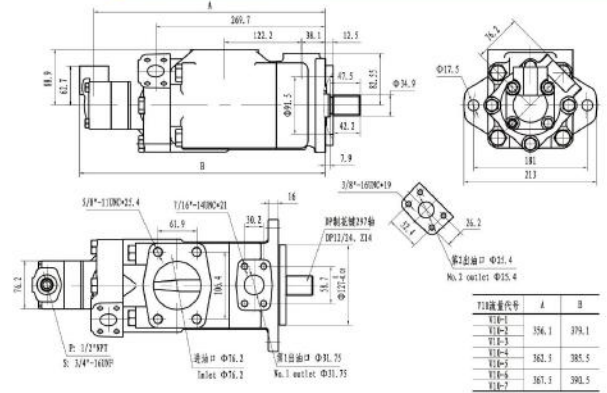
4535VQSV10系列叶片泵 4535VQSV10 series vane pump

安装连接尺寸 Installation Dimensions



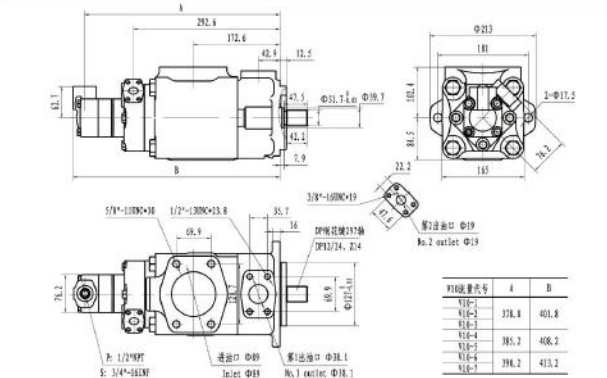
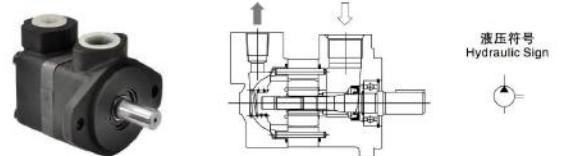
3525VQSV10系列叶片泵 3525VQSV10 series vane pump

安装连接尺寸 Installation Dimensions



4520VQSV10系列叶片泵 4520VQSV10 series vane pump

安装连接尺寸 Installation Dimensions

V10、20 系列叶片泵
V10、20 Series Vane Pumps

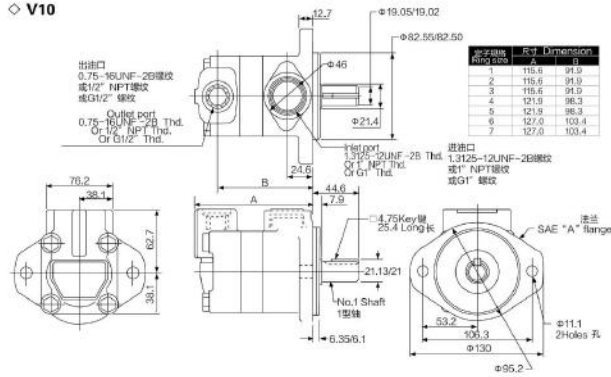
型号说明 Model designation

(F3)-	V10	7	5	1	20	1
前注 Note	系列号 Series	进口连接 Inlet Connection	排量代号 Flow code	出口连接 Outlet Connection	轴伸形式 Shaft Type	出油口位置 Outlet positions
油包水 water-oil emulsions	V10	P-1/2\"NPT Thread S-1/2\"-13/16-12 Straight B-G1\" Thread	1, 2, 3, 4, 5, 6, 7	P-1/2\"NPT Thread S-1/2\"-13/16-12 B-G1\" Thread	1- Key Straight Shaft 11- Spline Shaft 38- 11teeth - 3/4\" outside spline shaft 62- spline shaft (only for V20)	(从泵的轴伸看) (Viewed from cover end of pump) A- 进油口位置 B- 出油口位置 C- 进油口位置 D- 出油口位置
水-乙二醇 water glycol fluid	V20	P-1/4\"NPT Thread S-1/8\"-12 Straight B-G1/4\" Thread	6, 7, 8, 9, 10, 11, 12, 13	P-3/4\"NPT Thread S-1/8\"-12 Straight B-G1/4\" Thread		(从泵的轴伸看) (Viewed from cover end of pump) R- 顺时针旋转 L- 逆时针旋转
F3: 磷酸酯油 F3: phosphate ester fluid						

技术参数 Technical Data

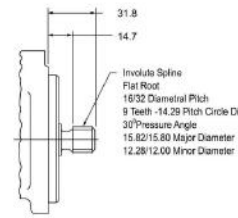
系列号 Series	排量代号 Flow code	几何排量 mL/r Geometric displacement	使用抗磨液压油或磷酸酯油 With antiwear hydraulic oil or phosphate ester fluid		使用水乙二醇液 With water glycol fluid		使用油包水乳化液 With water-oil emulsions	
			最高压力MPa Max.pressure	最高转速/rmin Max.speed	最高压力MPa Max.pressure	最高转速/rmin Max.speed	最高压力MPa Max.pressure	最高转速/rmin Max.speed
V10	1	3.3	17.2	4800	12.4	1800	10.3	1800
	2	6.6		4500				
	3	9.8		4000				
	4	13.1		3400				
	5	16.4		3200				
	6	19.5	15.2	3000	10.9			
	7	22.8	13.8	2800				
V20	6	19.5	3400	12.4	1800	10.9	1800	
	7	22.8	3000					
	8	26.5	17.2					2800
	9	29.7						
	10	30.0						
	11	36.4	2500	10.9	1800			
	12	39	15.2			2400		
	13	42.4						

◇ V10



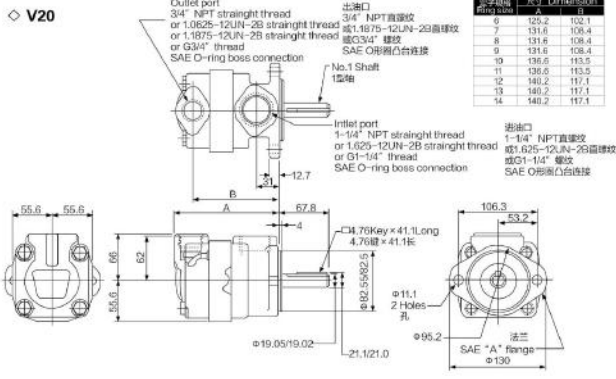
V10型花键轴 V10 Series Spline Shaft Type

11型花键轴 11 Type Spline Shaft



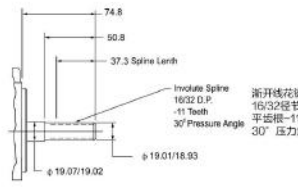
渐开线花键
平齿根-大径配合
16/32 齿节
9齿-14.29 节圆直径
30° 压力角
大径-15.82/15.80
小径-12.28/12.00

◇ V20



V20型花键轴 V20 Series Spline Shaft Type

11型花键轴 11 Type Spline Shaft



渐开线花键
平齿根-大径配合
16/32 齿节
9齿-14.29 节圆直径
30° 压力角
大径-15.82/15.80
小径-12.28/12.00

62型花键轴 62 Type Spline Shaft



VTM42系列/VTM42 Series

VTM42系列转向泵
VTM42 Series steering pump

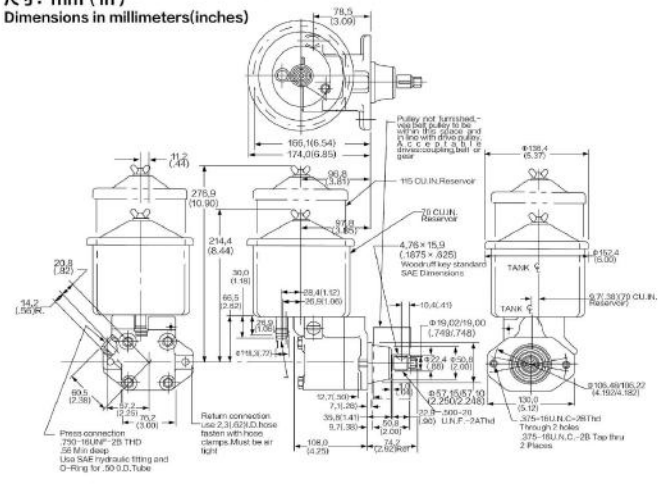
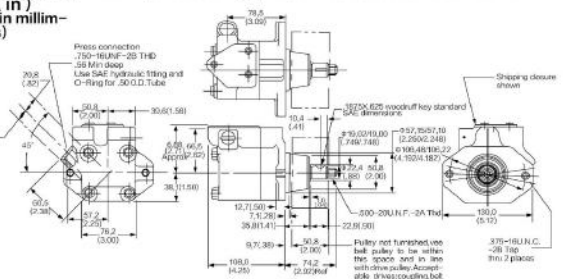
型号说明 Model designation

VTM - 42 (A) - 20 - 15 - 20 - F 11 - R 1 - 14

- | | | |
|---|---|--|
| 1 叶片式车阀泵
Vane type mobile pump | 6 溢流阀设定值
Relief valve setting
(升巴/压力)
05 - 35 bar (500 psi)
07 - 52 bar (750 psi)
10 - 70 bar (1000 psi)
12 - 85 bar (1250 psi)
15 - 100 bar (1500 psi)
17 - 120 bar (1750 psi)
20 - 140 bar (2000 psi) | 9 转向方向
Shaft rotation
R - 右旋 (顺时针)
L - 左旋 (逆时针)
R - Right hand (clockwise)
L - Left hand (counterclockwise) |
| 2 系列
Series | 7 过滤器设置
Reservoir filter
F - 过滤器代标准滤芯, 不安装时省略
F - Filter instead of standard bottle.
Omit if not required. | 10 轴伸形式
Shaft type
1 - 带键花键轴 (V20/V42)
38 - 花键轴 (V20/V42)
1 - Threaded (VTM42 only)
38 - Splined (VTM42A only) |
| 3 安装法兰
Mounting flange
A - SAE A 安装法兰, 不安装时省略
A - SAE A mounting flange
(Omit if not required) | 8 油箱或歧管
Reservoir or manifold
07 - 1147 mL (70 in³) 油箱 (VTM42A 省略)
11 - 1684 mL (103 in³) 油箱 (VTM42A 省略)
MA - 不带旁通管的歧管
MB - 带旁通管的歧管
MD - 带 90° 接口的歧管
ME - 不带旁通管的歧管
MF - 带旁通管的歧管
NO - 无 (安装时密封管) | 11 设计
Design
可能改变。对于设计 10 至 19, 安装尺寸保持相同。
Subject to change. Installation dimensions remain the same for designs - 10 through - 19. |
| 4 流量规格-流量
Flow rate - delivery
(SAE 额定: 1200 rpm @ 7 bar (100 psi))
(SAE rating - 1200 rpm & 7 bar (100 psi))
10 - 1.0 USgpm 40 - 4.0 USgpm
15 - 1.5 USgpm 50 - 5.0 USgpm
20 - 2.0 USgpm 60 - 6.0 USgpm | 5 控制流量
Controlled flow rate
(在 1500 rpm @ 7 bar (100 psi))
(at 1500 rpm & 7 bar (100 psi))
10 - 6 L/min (1.5 USgpm)
15 - 8 L/min (2 USgpm)
20 - 10 L/min (2.5 USgpm)
25 - 12 L/min (3 USgpm)
30 - 14 L/min (3.5 USgpm)
35 - 16 L/min (4 USgpm)
40 - 18 L/min (4.5 USgpm)
45 - 20 L/min (5 USgpm)
50 - 22 L/min (5.5 USgpm)
55 - 24 L/min (6 USgpm)
60 - 26 L/min (6.5 USgpm)
65 - 28 L/min (7 USgpm)
70 - 30 L/min (7.5 USgpm)
75 - 32 L/min (8 USgpm) | |

VTM42系列/VTM42 Series

安装连接尺寸 Installation Dimensions

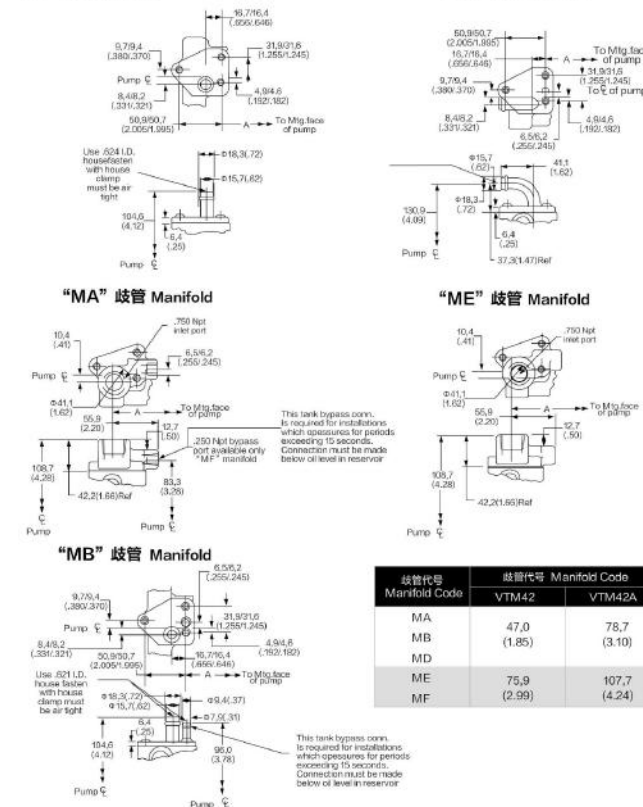
VTM42动力转向泵带油箱 VTM42 power steering pumps with reservoir or manifold
尺寸: mm (in)
Dimensions in millimeters (inches)VTM42不带油箱或歧管 VTM42 power steering pumps without reservoir or manifold
尺寸: mm (in)
Dimensions in millimeters (inches)

安裝連接尺寸 / Installation Dimensions

动力转向泵的歧管 Manifolds for power steering pumps
尺寸: mm (in)

“MA” 歧管 Manifold

“MD” 歧管 Manifold



线管代号 Manifold Code	歧管代号 Manifold Code	
	VTM42	VTM42A
MA	47,0	78,7
MB	(1.85)	(3.10)
MD		
ME	75,9	107,7
MF	(2.99)	(4.24)

SQP系列单泵/SQP Series single pump

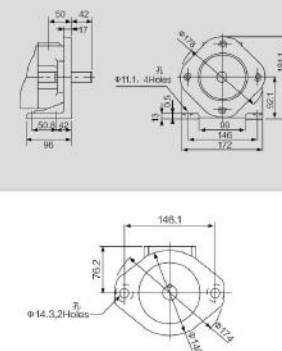
大象流体动力
Elephant Fluid Power



▲在1200r/min(90.69MPa/100psi)下的额定排量USgpm. USgpm Flow (USgpm) at 1200r/min and 0.69MPa

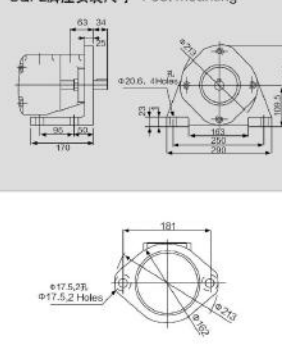
●在1200r/min(100.69MPa(100psi))下的额定排量USgpm。▲0.5秒内，允许超过最高压力10%的瞬时压力。
Usperm Flow (USgpm) at 1200r/min and 100.69MPa. Permit surpassing the top pressure 10% instantaneous pressure.

SQP1脚座安装尺寸 Foot mounting



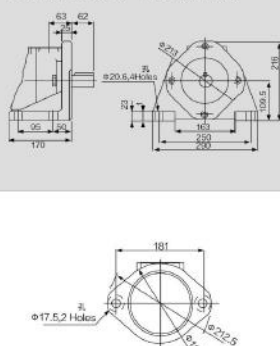
其它轴类尺寸见78页
Other shaft dimensions
see page 78

SQP2脚座安装尺寸 Foot mounting



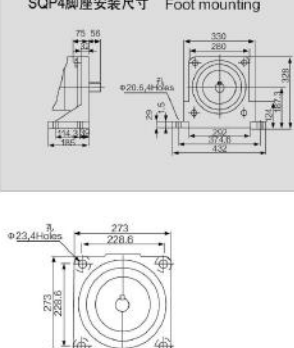
其它轴类尺寸见78页
Other shaft dimension
see page 78.

SQP3脚座安装尺寸 Foot mounting

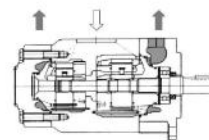


其它轴类尺寸见78页
Other shaft dimensions
see page 78

SQP4脚座安装尺寸 Foot mounting



其它轴类尺寸见78页
Other shaft dimensions
see page 78

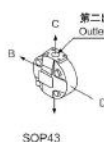
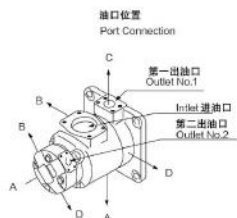


液压符号
Hydraulic Sign



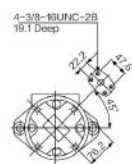
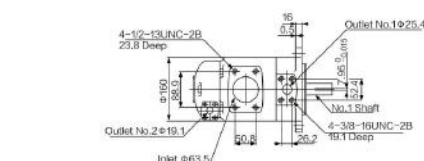
(F3-)	SQP32	-36	-17	-86	CD	(F)	-(LH)	-18
前注、油液相容性 Infuse front, oil intermiscibility	系列号 Series	▲排量代号轴端泵 Displacement code of Shaft end pump	▲排量代号盖泵 Displacement code of Cover and pump	轴伸形式 Shaft type	油口位置 Port Positions	安装形式 Installation type	旋转方向 Rotation	设计号 Design number
无标记- 抗磨液压油、 水乙二醇液或 油包水乳化液 No-marking Anti-wear hydraulic oil, Water glycol fluid or water-oil emulsions F3- 磷酸酯液 Phosphate ester fluid	SQP21	10, 12, 14, 15, 17, 19, 21, 25	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14	1-特键直轴 Belt key straight shaft 86-重型带键 直轴 Heavy belt key straight shaft	见下表 See below	无标记 No-marking -法兰安装型 Flange Mounting F-脚座安装型 F-Foot Mounting	(从泵的轴端看) (Views form shaft end of pump) LH-逆时针旋转 Left hand for counter clockwise 无标记-顺时针旋转 No-marking-Ringht hand for clockwise	18
	SQP31	21, 25, 30, 32, 35, 38, 45	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14					
	SQP32	21, 25, 30, 32, 35, 38, 45	10, 12, 14, 15, 17, 19, 21, 25					
	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, 25					
	SQP43	42, 45, 50, 57, 60, 66, 75	21, 25, 30, 32, 35, 38, 45					

▲在1200r/min和0.69MPa(100psi)下的额定排量USgpm, USgpm Flow (USgpm) at 1200r/min and 0.69MPa



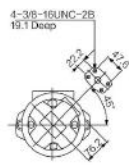
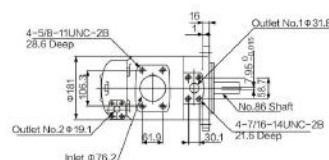
油口位置 Port positions		所有系列 (除SQP43外) All series (except SQP43)	SQP43系列 SQP43 series
第一出口 在进油口对侧 No.1 outlet opposite inlet	AA	第二出口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出口在进油口对侧 No.2 outlet opposite inlet
	AB	第二出口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出口在进油口顺时针转90° No.2 outlet 90° CCW from inlet
	AC	第二出口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出口在进油口对侧 No.1 outlet inline with inlet
	AD	第二出口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出口在进油口顺时针转90° No.2 outlet 90° CW from inlet
第一出口 从进油口逆时针转90° No.1 outlet 90° CCW from inlet	BA	第二出口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出口在进油口对侧 No.2 outlet opposite inlet
	BB	第二出口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出口在进油口逆时针转90° No.2 outlet 90° CCW from inlet
	BC	第二出口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出口在进油口对侧 No.1 outlet inline with inlet
	BD	第二出口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出口在进油口顺时针转90° No.2 outlet 90° CW from inlet
第一出口 在进油口同侧 No.1 outlet inline with inlet	CA	第二出口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出口在进油口对侧 No.2 outlet opposite inlet
	CB	第二出口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出口在进油口顺时针转90° No.2 outlet 90° CCW from inlet
	CC	第二出口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出口在进油口对侧 No.2 outlet inline with inlet
	CD	第二出口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出口在进油口顺时针转90° No.2 outlet 90° CW from inlet
第一出口 从进油口顺时针转90° No.1 outlet 90° CW from inlet	DA	第二出口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出口在进油口对侧 No.2 outlet opposite inlet
	DB	第二出口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出口在进油口逆时针转90° No.2 outlet 90° CCW from inlet
	DC	第二出口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出口在进油口对侧 No.1 outlet inline with inlet
	DD	第二出口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出口在进油口顺时针转90° No.2 outlet 90° CW from inlet

SQP21 法兰安装尺寸



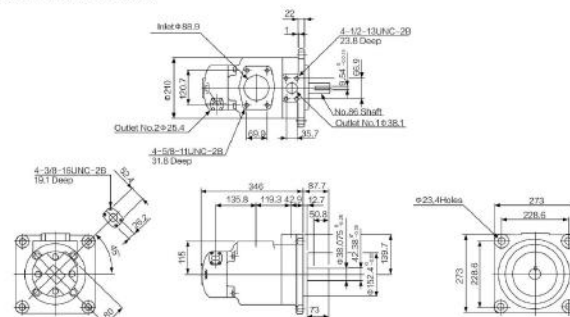
其它轴类尺寸见78页
Other shaft dimensions
see page 78

SQP31 法兰安装尺寸



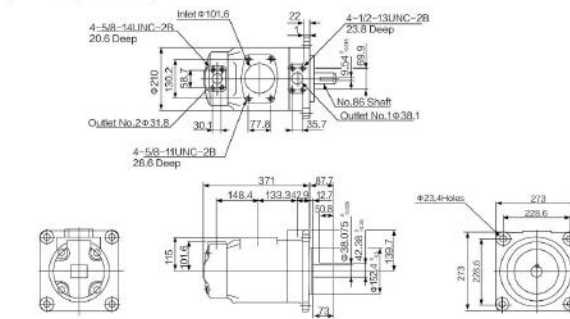
其它轴类尺寸见78页
Other shaft dimensions
see page 78

SQP42法兰安装尺寸
SQP42 Flange Mounting



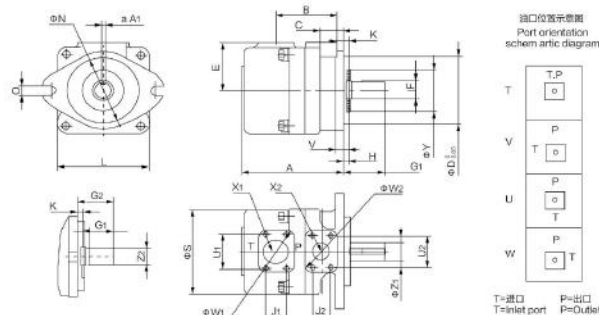
其它轴类尺寸见78页
Other shaft dimensions
see page 78

SQP43法兰安装尺寸
SQP43 Flange Mounting



其它轴类尺寸见78页
Other shaft dimensions
see page 78

单泵 Single pump (PFE—21、31、41、51)



安装尺寸 Installation Dimensions

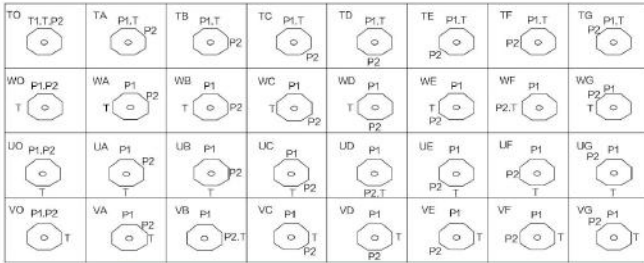
系列号 Series	A	B	C	ΦD	E	H	L	ΦN	Q
PFE—21	105	89	20	83	57	7	100	84	9
PFE—31V32	135	98.5	27.5	82.5	70	6.4	106	95	11.1
PFE—41V42	159.5	121	38	101.6	76.2	9.7	146	120	14.3
PFE—51V52	181	125	38	127	82.6	12.7	181	148	17.5
PFE—61	200	144	40	152.4	98	12.7	229	188	22

系列号	ϕS	U_1	U_2	V	$\phi W1$	$\phi W2$	J_1	J_2	X_1	X_2	ϕY
PFE-21	92	47.6	38.1	10	19	11	22.2	17.5	M10×17	M8×15	40
PFE-31/32	114	58.7	47.6	10	32	19	30.2	22.2	M10×20	M10×17	47
PFE-41/42	134	70	52.4	13	38	25	35.7	26.2	M12×20	M10×17	76
PFE-51/52	158	77.8	58.7	15	51	32	42.9	30.2	M12×20	M10×20	76
PFE-61	165	89	70	18	63.5	38	50.8	35.7	M12×22	M12×22	100

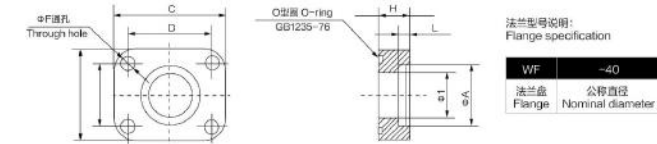
[illegible]

油口位置 Port positions

(注: T=进口 P1=前泵出口 P2=后泵出口)
Port Orientation (as viewed from the shaft end) (Note: T=Inlet port, P1=Outlet of the first pump, P2=Outlet of the second pump)

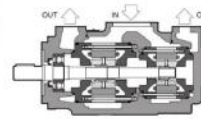


法兰连接尺寸 Flange connection dimensions



系列号 Series	ΦA	B	C	D	E	ΦF	H	ΦI	L	O型圈 O ring	螺钉 Screw	法兰对应油泵油口 Pump port corresponding to flange
WF-12	18	34	54	38.1	17.5	9	18	11	10	25 × 2.4	M8 × 30	PFE-21出口 PFE-21outlet
WF-20	28.2	42	65	47.6	22.2	11	18	19	10	35 × 3.1	M10 × 30	PFE-21出口, PFE-31/32出口 PFE-21outlet, PFE-31/32outlet
WF-25	35	50	70	52.4	26.2	11	18	25	10	40 × 3.1	M10 × 30	PFE-41/42出口 PFE-41/42outlet
WF-32	43	53	79	58.7	30.2	11	21	32	12	45 × 3.1	M10 × 35	PFE-31/32出口, PFE-51/52出口 PFE-31/32outlet, PFE-51/52outlet
WF-40	52	65	87	70	35.7	13.5	25	38	15	55 × 3.1	M12 × 40	PFE-41/42出口, PFE-61出口 PFE-41/42outlet, PFE-61outlet
WF-50	65.5	73	102	77.8	42.9	13.5	25	51	15	65 × 3.1	M12 × 40	PFE-51/52出口, PFED-31/21进口 PFE-51/52outlet, PFED-31/21inlet
WF-65	78	87	110	89	50.8	13.5	25	63	15	75 × 3.1	M12 × 40	PFE-61出口, PFED-41/31进口 PFE-61outlet, PFED-41/31inlet
WF-75	93	107	132	106.4	62	17.5	30	75	18	95 × 3.1	M16 × 45	PFED-51/41进口, PFED-51/21进口 PFED-51/41inlet, PFED-51/21inlet

PFED 系列双联泵 PFED series double pump

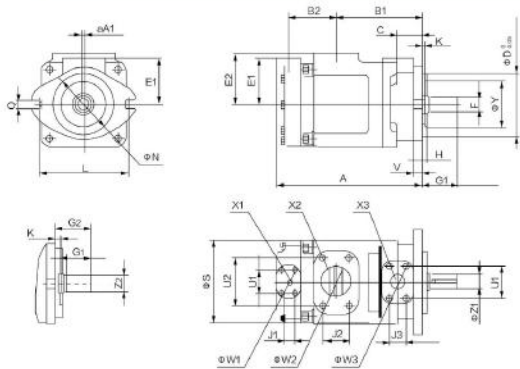


型号说明 Model designation

PFED-	4131	045/	022/	1	D	TO
PFE系列 定排量叶片泵 PFE series fixed displacement vane pump	系列号 Series	双联泵大排量侧 几何排量 (ml/r) Double pump larger displacement volume side geometric displacement(ml/r)	双联泵小排量侧 几何排量 (ml/r) Double pump smaller displacement volume side geometric displacement(ml/r)	轴伸型式 Shaft type	转向 (从轴伸看) Direction of rotation (viewed from shaft end)	油口位置 Port orientation
PFED:	3121	16, 22, 28, 36, 44	5, 6, 8, 10, 12, 16	1-圆柱形轴伸(标准型) Cylindrical type (standard)	D:顺时针 CW	见油口位置示意图 [进出口与两个出口共有 TO (标准), VG、等 32 组位置关系] See port orientation table [inlet and two outlet ports can be oriented in any of thirty two relative positions: TO, VG]
	4121	29, 37, 45, 56, 70, 85	5, 6, 8, 10, 12, 16	2-四柱形轴伸 (ISO/DIS3019) Cylindrical type (ISO/DIS3019)		
double pump series	4131	29, 37, 45, 56, 70, 85	16, 22, 28, 36, 44	3-四柱形轴伸 (大扭矩型) Cylindrical type (high torque)	S:逆时针 CCW	
	5121	90, 110, 129, 150	5, 6, 8, 10, 12, 16	4-圆柱形轴伸 (高扭矩型) Cylindrical type (high torque)		
	5131	90, 110, 129, 150	16, 22, 28, 36, 44	5-花键轴伸 Spined type		
	5141	90, 110, 129, 150	29, 37, 45, 56, 70, 85	6-花键轴伸 Spined type		

双联泵 Double pump (PFED-3121, 4121, 4131, 5121, 5131, 5141)

安装尺寸 Installation Dimensions

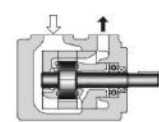


系列号 Series	A	B1	B2	C	ΦD	E1	E2	E3	H	L	ΦN	Q
PFED-3121	210	87.5	74.5	27.5	82.5	70	82.6	70	6.4	106	95	11.1
PFED-4121	237	101.6	76.9	38	101.6	76.2	84	76.2	9.7	146	120	14.3
PFED-4131	254	101.6	88.1	38	101.6	76.2	84	76.2	9.7	146	120	14.3
PFED-5121	248.5	106.6	83.4	38	127	82.6	89	76.2	12.7	181	148	17.5
PFED-5131	270.1	111.9	91.7	38	127	82.6	89	76.2	12.7	181	148	17.5
PFED-5141	290	114.3	109.5	38	127	82.6	89	74.7	12.7	181	148	17.5

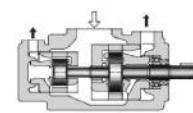
系列号 Series	ΦS	U1	U2	U3	ΦW1	ΦW2	ΦW3	J1	J2	J3	X1	X2	X3	ΦY
PFED-3121	114	38.1	77.8	47.6	11	51	19	17.5	42.9	22.2	M8 × 15	M12 × 20	M10 × 17	47
PFED-4121	134	38.1	77.8	52.4	11	51	25	17.5	42.9	26.2	M8 × 15	M12 × 20	M12 × 20	76
PFED-4131	134	47.6	89	52.4	19	63	25	22.2	50.8	26.2	M10 × 20	M12 × 22	M12 × 20	76
PFED-5121	156	38.1	89	58.7	11	63	32	17.5	50.8	30.2	M8 × 15	M12 × 22	M12 × 20	76
PFED-5131	156	47.6	106.4	58.7	19	70	32	22.2	62	30.2	M10 × 20	M16 × 17	M12 × 20	76
PFED-5141	156	52.4	106.4	58.7	25	75	32	26.2	62	30.2	M10 × 20	M16 × 17	M12 × 20	76

系列号 Series	1 型轴 Shaft type 1 (standard)	2 型轴 Shaft type 2	3 型轴 Shaft type 3	5 型轴 Shaft type 5	6 型轴 Shaft type 6
PFED-3121	19.05 55.6 4.70 21.11 8	-	-	22.22 55.6 4.70 24.54 8	9T 16/32DP 56 19.05 8
PFED-4121	22.22 56 4.76 24.54 11.4 22.22 71 6.36 25.07 8 25.38 78 6.36 28.3 11.4	13T 16/32DP 59 26 8	13T 16/32DP 59 26 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8
PFED-4131	22.22 56 4.76 24.54 11.4 22.22 71 6.36 25.07 8 25.38 78 6.36 28.3 11.4	13T 16/32DP 59 26 8	13T 16/32DP 59 26 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8
PFED-5121	31.75 73 7.95 35.33 13.9 31.75 84 7.95 35.33 8 34.9 84 7.95 38.58 13.9	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8
PFED-5131	31.75 73 7.95 35.33 13.9 31.75 84 7.95 35.33 8 34.9 84 7.95 38.58 13.9	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8
PFED-5141	31.75 73 7.95 35.33 13.9 31.75 84 7.95 35.33 8 34.9 84 7.95 38.58 13.9	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8	14T 12/24DP 56 42 8

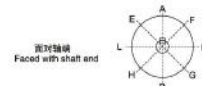
PV2R系列叶片泵 PV2R Series vane pumps



PV2R系列双联泵 PV2R Series Double Pumps



油口方向示意图 Direction of port



型号说明 Model designation

PV2R	※	-	※	-	※	□	□	□
系列叶片泵 Series of vane pumps	子系列代号 Code of subsidiary series 1, 2, 3, 21, 31, 32	※	※	※	※	□	□	□
单泵或双泵的轴端公称排量 Displacement of single or shaft end pump mL/r	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft	轴径/Shaft diameter F:小轴 Minor shaft (Omitted) F:大轴 Major shaft
双泵的盖端公称排量 Displacement of cover end pump mL/r	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R	油口位置 (从轴端看) Port positions (Viewed from shaft end) 进油口: A, B, L, R Inlet: A, B, L, R 出油口: A, B, L, R Outlet of single or shaft end pump: A, B, L, R 双泵的盖端及出油口: A, B, E, F, G, H, L, R Outlet of cover end pump: A, B, E, F, G, H, L, R

技术参数 Technical Data

● 单泵/Single Pumps

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)		驱动功率 Input power (kW)
		高压用特定油 Special oil	抗磨液压油 Antibear oil	普通液压油 Common oil	最低 Min.	最高 Max.	
PV2R1-4	4.3	21	17.5	16	750	1800	2.1
PV2R1-6	6.5						3.2
PV2R1-8	8.5						4.5
PV2R1-10	10.8						5.4
PV2R1-12	12.8						6.1
PV2R1-14	14.5						6.9
PV2R1-17	16.2						7.9
PV2R1-19	20.1						9.6
PV2R1-23	22.5						10.5
PV2R1-25	25.3	16	16	14	600	1800	12.5
PV2R1-28	29.6						14.0
PV2R1-31	32.3						15.5
PV2R2-26	25.3						11.7
PV2R2-33	32.3						15.5
PV2R2-41	39.8						18.9
PV2R2-47	49.8						23.2
PV2R2-53	51.5						24
PV2R2-59	55.8	21	17.5	14	600	1800	24.9
PV2R2-65	63.7						29.4
PV2R2-70	70.3						31.8
PV2R2-79	78.1						35.7
PV2R2-85	82.7						37.5
PV2R3-52	51.5	16	16	14	600	1800	23.2
PV2R3-60	63.7						29.4
PV2R3-66	66.6						34.2
PV2R3-76	75.5						37.7
PV2R3-84	89.5						41.2
PV2R3-116	118						50
PV2R3-125	122.2						59.9
PV2R3-136	136						66.7

注：1. 公称排量“4”、“6”、“8”泵，压力超过16MPa使用时，转速应超过1450r/min。

2. 在高转速下使用大排量泵及相应的双泵时，应减少吸入口负压。

3. 使用合成液压油及含水液压油时，最高转速限制在1200r/min。

4. 对于特别要求低噪音的场合，建议工作转速选用1000r/min。

5. 噪声值是在P=14MPa，n=1200r/min的工作状态下。

6. 驱动功率是在P=16MPa，n=1500r/min的工作状态下。

Note: 1. When pressure of pumps exceeds 16MPa, with displacement of "4" "6" "8", speeds should be more than 1450r/min.

2. Reduce the negative pressure of the inlet when the single pumps or double pumps with large displacement at high speed.

3. In use of synthetic hydraulic fluids and water containing hydraulic fluids, limit the max speed at 1200r/min.

4. Speed at 1000r/min is suggested on occasions with lower noise strictly required.

5. Noisiness is available in working conditions of 14MPa and 1200r/min.

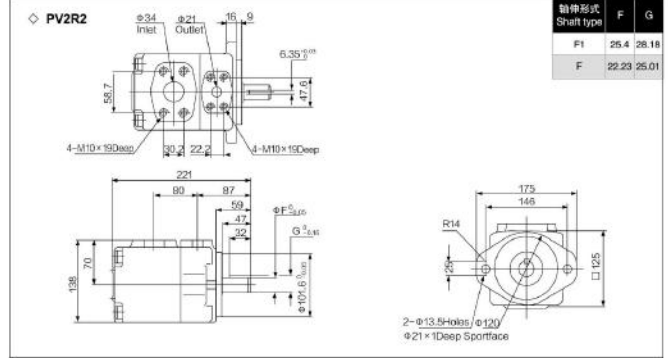
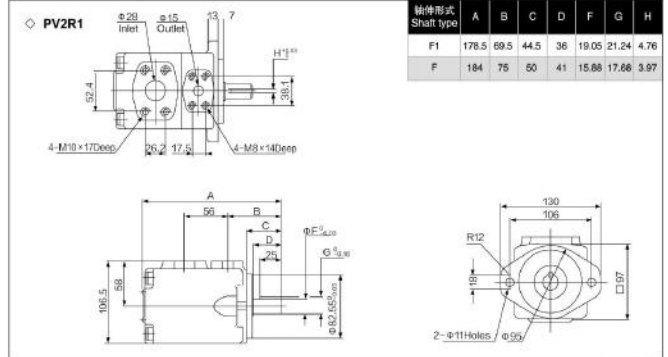
6. Input power is available in working conditions of 16MPa and 1500r/min.

● 双联泵/Double Pumps

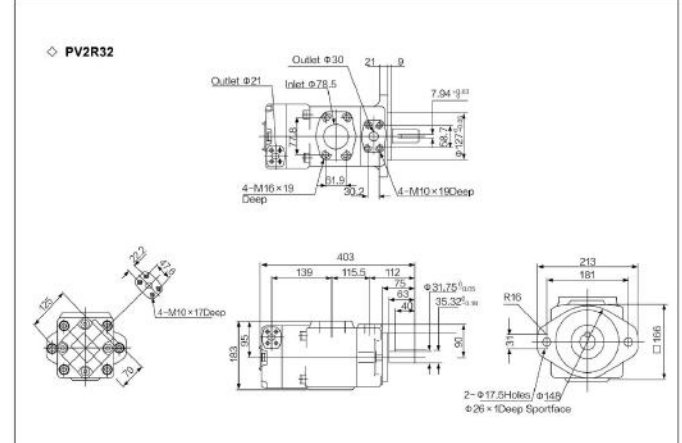
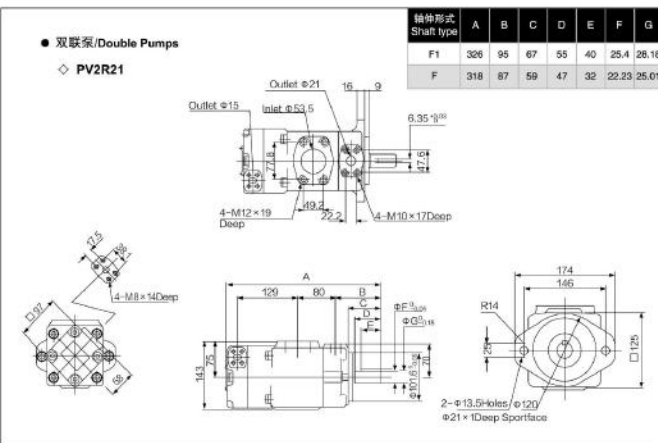
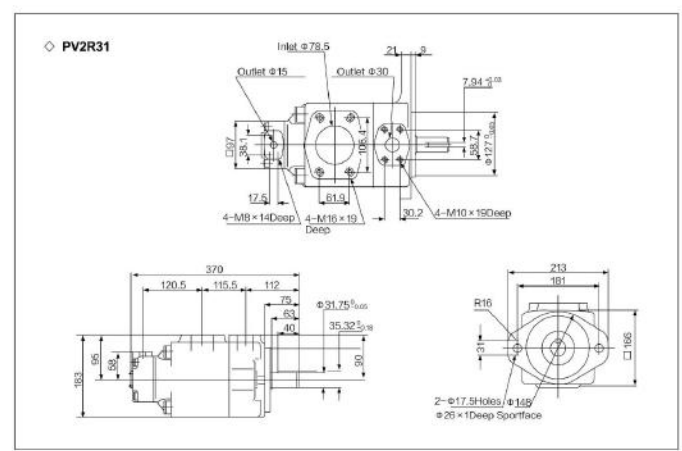
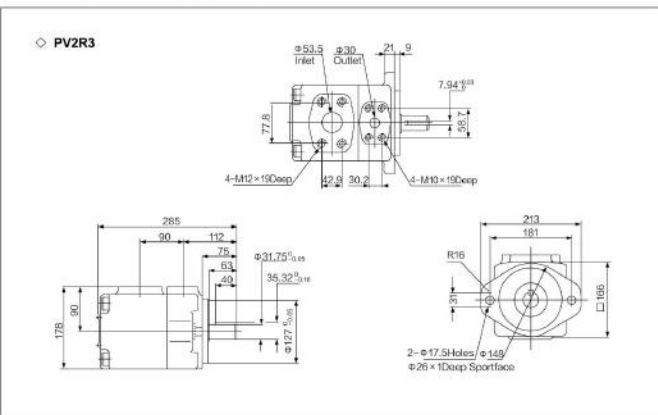
产品型号 Model	理论排量 Displacement (mL/r)	最高压力 Max pressure(MPa)
PV2R21	26, 33, 41, 47, 53, 59, 65	4, 6, 8, 10, 12, 14, 17, 19, 23, 25, 28, 31
PV2R31	52, 60, 66, 76, 94, 116, 125, 136	4, 6, 8, 10, 12, 14, 17, 19, 23, 25, 28, 31
PV2R32	52, 60, 66, 76, 94, 116, 125, 136	26, 33, 41, 47, 53, 59, 65

安装尺寸 Installation Dimensions

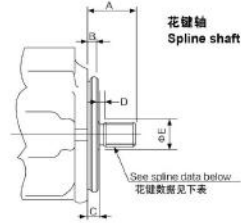
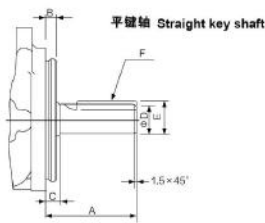
● 单泵/Single Pumps



安装尺寸 Installation Dimensions



轴伸选择 Shaft extension



平键轴 Straight key shaft

型号 Series	轴伸代号 Shaft code	A	B	C	ΦD	E	F 键宽*长 F Key width*length
20VQ, SQP1	1	59	9.53	12.1	22.23/22.20	24.5/24.4	4.76*32
25VQ, 2520VQ	1	59	9.53	11.1	22.23/22.20	24.5/24.4	4.76*32
SQP2, SQP21	86	78	9.53	11.1	25.37/25.35	28.3/28.1	6.30*50.8
35VQ, 35米 VQ	1	73.2	9.53	11.1	31.75/31.70	35.36/35.10	7.94*38.1
SQP3, SQP3米	86	86	9.53	11.1	34.90/34.87	38.6/38.3	7.94*54
45VQ, 45米 VQ	1	62	12.7	14.22	31.75/31.70	35.36/35.10	7.94*28.5
SQP4, SQP4米	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 Model	轴伸代号 Shaft code	A	B	C	D	E	花键数据(见下表) Spline data (See table below)
20VQ	151	41.1	9.53	11.1	3.9	27.8	A
25VQ, 2520VQ	11	44.5	9.53	11.1	3.9	27.8	A
35VQ, 35米 VQ	11	58.7	9.53	11.1	6.35	35.1	C
45VQ, 45米 VQ	11	61.9	12.7	14.3	9.7	39.6	C

花键轴数据表(渐开线花键) Spline data table (involute spline)

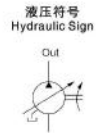
花键数据标记 Spline data reference	齿数 Number of teeth	节距 Pitch	大径 Major diameter	成形直径 Form diameter	小径 Minor diameter	平均拟合度 Flat root fit
A	13	16/32	22.17/22.15	19.03	16.63/16.35	大径配合 Major diameter fit
C	14	12/24	31.70/31.67	27.2	26.99/26.94	

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低压变量叶片泵 low pressure variable vane pump

VP系列变量叶片泵 VP series variable pump

VP1, VP2



型号说明 Model designation

VP	20	A2	R
系列号 Series	排量代号 Flow code	调压范围 pressure range	旋转方向 Rotation
VP1	12, 15, 20	A1 8-20 B2 15-35 C3 30-70	R-顺时针旋转 R-Right hand for clockwise L-逆时针旋转 L-Left hand for clockwise
VP2	30, 40		

在1800rpm3.5kg/cm²时,双泵的流量20~20L/min In 1800rpm3.5kg/cm², the flow rate of double pump 20~20L/min

技术参数 Technical Data

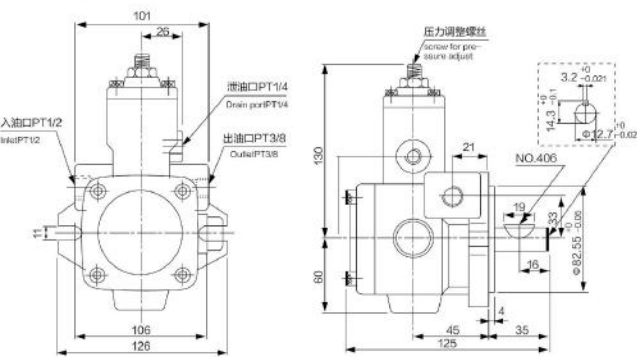
型号 Model	排量代号 Flow code (cc/rev)	最高使用压力 Max. pressure (MPa)	转速范围 Speed range (rpm)	配管尺寸 Piping size			重量 Weight (kg)
				进口 Inlet	出口 Outlet	泄油口 Drain part	
VP1-12	6.6	70	800~1800	1/2"	3/8"	1/4"	5.0
VP1-15	8.3						
VP1-20	11.1						
VP2-30	16.6			3/4"	1/2"	1/4"	9.1
VP2-40	22.2						

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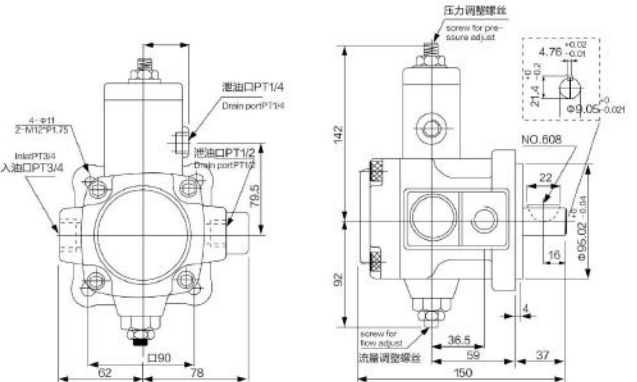
低压变量叶片泵/Low pressure variable vane pump

安装连接尺寸 Installation dimensions

VP1-12/15/20



VP2-30/40

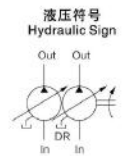


-80-

双联低压变量叶片泵/Low pressure variable double vane pumps

双联低压变量叶片泵 low pressure variable double vane pumps

VVP1、VVP2系列双联泵 VVP1、VVP2 series double pumps



型号说明 Model designation

VVP	20/20	A2	R
系列号 Series	排量代号 Flow code	调压范围 pressure range	旋转方向 Rotation
双联低压变量叶片泵 low pressure variable double vane pumps	20/20 30/30 40/40	A 8-20 B 15-35 C 30-70	R-顺时针旋转 R-Right hand for clockwise L-逆时针旋转 L-Left hand for clockwise

在1800rpm3.5kg/cm²时,双泵的流量20~20L/min In 1800rpm3.5kg/cm², the flow rate of double pump 20~20L/min

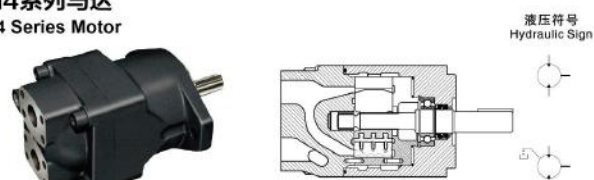
技术参数 Technical Data

型号 Model	排量代号 Flow code (cc/rev)	最高使用压力 Max. pressure (MPa)	转速范围 Speed range (rpm)	配管尺寸 Piping size			重量 Weight (kg)
				进口 Inlet	出口 Outlet	泄油口 Drain port	
VVP1-20/20	11.1+11.1	70	800~1800	1/2"	3/8"	3/8"	9.5
VVP2-30/30	16.6+16.6						
VVP2-40/40	22.2+22.2			3/4"	1/2"	1/2"	

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M4系列马达

M4 Series Motor



M4C	(-1)	(-S)	067	1	N	00	A	1	02
系列号 Series	类型型号 Type code	类型型号 Type code	槽宽型号 Flange code	轴伸形式 Shaft type	旋转方向 Rotation	接口位置 Port positions	设计号 Design number	密封等级 Sealing level	接口尺寸 Port dimensions
M4C M4C1 M4SC M4SC1	无: 外泄 No: External	无: 标准 No: Standard	024, 027, 031, 043, 055, 067 075		双向 (注: 密封材料 →进口→出口, 进口→进口 □)			M4: 1-丁腈橡胶 5-氟橡胶	01, 02, 04, M4 安装接口尺寸 See installation dimensions
M4D M4D1 M4SD M4SD1	1: 内泄 1: Internal	S: 重载 S: heavy load	062, 074, 088, 102, 113, 128, 138	双轴伸结构 See size of the shaft	Bi-directional (Note: cloc- kwise=import counter- clockwise=import B)	见下图 See picture below	A	M4: 1-NBR, 3-Kaolin rubber 5-Fluororubber M4S: 5-氟橡胶 M4SE: 5-Fluororubber	01, 02, 04 安装接口尺寸 See installation dimensions
M4E M4E1 M4SE M4SE1			153, 155, 214,						

型号 Model	轴伸代号 Shaft code	轴伸形式 Shaft type	L1	L2	DIA	K1xK2	H1
M4C	1	平键Keyed: SAE-B (φ22.2)	71.4	38.1	22.225-22.200	6.35×6.30	29.94
	2	平键Keyed: 非NonSAE (φ22.2)	58.1	31.7	22.225-22.200	4.77×4.72	24.50
M4D	3	花键Spined: SAE-B	61.4	24.5	SAE J498B 18, 键径 15.02, 139	SAE J498B 18, 键径 15.02, 139	24.50
	1	平键Keyed: SAE-C (φ31.7)	55.6	38.1	31.750-31.700	7.94×7.89	35.28
M4E	3	花键Spined: SAE-C	55.6	38.1	SAE J498B 18, 键径 12.04, 149	SAE J498B 18, 键径 12.04, 149	35.28
	1	平键Keyed: SAE-C (φ31.7)	61.4	49.3	31.750-31.700	7.94×7.89	35.29
	3	花键Spined: SAE-C	55.7	25.2	SAE J498B 18, 键径 12.04, 149	SAE J498B 18, 键径 12.04, 149	35.29

从左侧的视图看

旋转时安装 A=进油口
B=出油口
C=进油口
逆时针旋转 A=进油口
B=出油口

View from shaft end
CW rotation A=inket
B=outlet
CCW rotation A=inlet
B=oulet

端口 Rear ports

视图 Side ports

视图 Side ports

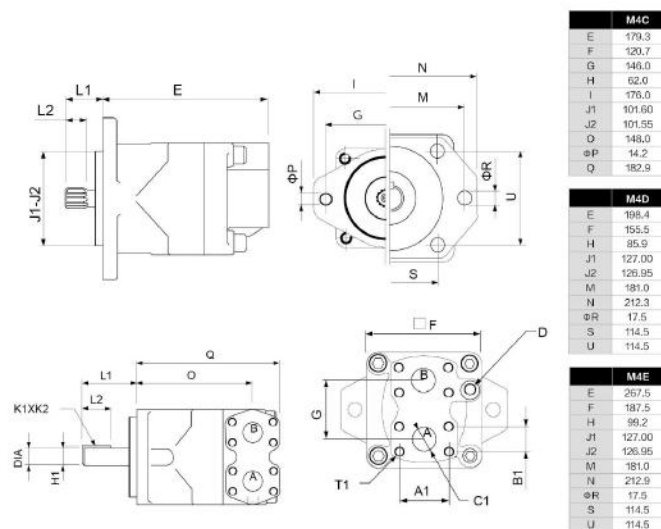
视图 Side ports

视图 Side ports

视图 Side ports

00 01 02 03 04

M5系列马达
M5 Series Motor

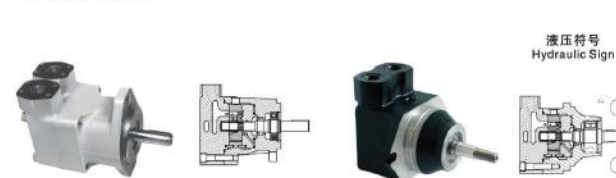


	M4C
E	179.3
F	120.7
G	146.0
H	62.0
I	176.0
J1	101.60
J2	101.55
O	148.0
⊕P	14.2
Q	182.9

	M4D
E	198.4
F	155.5
H	85.9
J1	127.00
J2	126.95
M	181.0
N	212.3
ØR	17.5
S	114.5
U	114.5

	M4E
E	267.5
F	187.5
H	99.2
J1	127.00
J2	126.95
M	181.0
N	212.9
OR	17.5
S	114.5
U	114.5

进口/Oil port	安装尺寸/Install Dimension(mm)						
	A&B						泄油口/Drain port D
	SAE 4 孔法兰 (油口代码: 02, 04, M4) SAE 4 Hole flange (Oil port code: 02, 04, M4)			SAE 螺纹油口 (代号: 01) SAE Threaded port (Code: 01)			
	A1	B1	C1	T1 口螺纹 Thread			
M4C/M4SC	52.4	26.2	25.4	SAE: $\frac{3}{8}$ " 16 UNC $\times$ 19.0 公制/Metric: M10 $\times$ 20.0		$1 \frac{5}{16}$ " UNF $\times$ 19.0	SAE: $\frac{7}{16}$ " 20 UNF BSPP: $\frac{1}{4}$ "
M4D/M4SD	58.7	30.2	31.8	SAE: $\frac{7}{16}$ " 14 UNC $\times$ 22.0 公制/Metric: M12 $\times$ 22.1		$1 \frac{5}{8}$ " UNF $\times$ 19.0	SAE: $\frac{3}{4}$ " 16 UNF BSPP: $\frac{3}{8}$ "
M4E/M4SE	77.8	42.9	50.0	$\frac{1}{2}$ " 13 UNC $\times$ 26.9		$2 \frac{1}{2}$ " 12 UNF $\times$ 19.0	SAE: $\frac{3}{4}$ " 16 UNF BSPP: $\frac{1}{2}$ "



M5BF	(-1)	-028	-1	-N	-02	-A	-1	-M	3
系列号 Series	类别型号 Type code	排量代号 Flow code	轴伸形式 Shaft type	旋转方向 Rotation	进口位置 Port positions	设计号 Design number	密封等级 Sealing level	A、B进口 A,B port variables	泄油口 Drain variables
M5AF M5AF1	无: 外泄 No: External	006, 010, 012 016, 018, 023 025		非双向 Bi-directional					
			见轴伸尺寸 See size of the shaft	R-顺时针旋转 right hand for clockwise	见下图 See picture below	A	1-丁腈橡胶 1-NBR Nitrile rubber	M、G、Y、W 见下表 See picture below	2、3 见下表 See picture below
M5B M5BS M5BF M5BF1	1: 内泄 1: Internal	012, 016, 028 036, 045		L-逆时针旋转 left hand for counterclockwise					

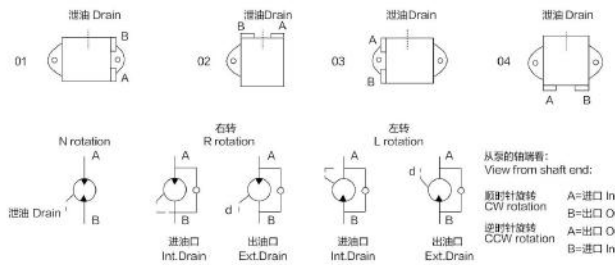
型号 Model	轴伸代号 Shaft code	轴伸形式 Shaft type	L1	L2	DIA	K1xK2	H1	M1
M5AF	1	锥形ConeSAE-BB (无键No key)	75.4	56.4	25.40±0.25 (125: 1000-M8)	-	-	ΦR=4.0
	2	平键Keyed: 非Non SAE	108.1	23.5	25.400-25.350	6.35×6.35	28.2	-
M5B	2	平键Keyed: ISO R75 (Φ25)	70.0	40.0	25.0055-24.9935	8.000×7.948	28.22	-
	3	花键Splined: SAE-B	41.4	24.5	SAE J4980 1级, 键号 16/32, 13牙 SAE J4980 class 1, Diametral pitch 16/32, 13T			
M5BS	1	平键Keyed: SAE-B(Φ22.2)	71.4	38.1	22.225-22.200	6.35-6.30	24.94	-
	3	花键Splined: SAE-B	41.4	24.5	SAE J4980 1级, 键号 16/32, 13牙 SAE J4980 class 1, Diametral pitch 16/32, 13T			
M5BF	1	锥形Cone SAE-BB (+Key)	72.9	54.0	25.40±0.25 (125: 1000-M8)	6.35-6.30	-	ΦR=4.0±0.1
	3	平键Keyed: ISO 30 19/2 G32N	128.0	50.0	32.013-31.997	9.57×10.00	35.2	M-MIN=3.0

技术参数 Technical Data

系列号 Series	排量代号 Flow code	理论排量 Geometric displacement	扭矩 Specific torque	100rpm 时的功率 Power	最高压力/ Max. pressure			最高转速/ Max. speed			
					标准 Standard	S系列 S series	壳体 Housing	额定压力 Rated pressure	额定 流量 Continuity	额定 转速 Rpm	S系列 S series
					bar	bar	bar	rpm	rpm	rpm	rpm
M5AF	006	6.0	0.095	0.0010	300/250	-	3.5	3000	6000	-	-
	008	8.0	0.127	0.0013							
	010	10.0	0.159	0.0017							
	012	12.0	0.191	0.0020							
	018	18.0	0.286	0.0030							
	023	23.0	0.356	0.0038							
M5B M5BF	025	25.0	0.398	0.0042	320/290	-	3.5	2000	3000	-	-
	012	12.0	0.191	0.0020							
	018	18.0	0.286	0.0030							
	026	26.0	0.446	0.0047							
	036	36.0	0.572	0.0060							
	045	45.0	0.715	0.0075							
M4C M4SC	024	24.4	0.390	0.0040	175	230	3.5	2500	3600	4000 (@35bar)	4000 (@60bar)
	027	28.2	0.450	0.0047							
	031	34.5	0.550	0.0058							
	043	46.5	0.740	0.0078							
	055	58.8	0.930	0.0098							
	067	71.1	1.130	0.0120							
M4D M4SD	075	80.1	1.270	0.0130	175	230	3.5	2500	3000	4000 (@35bar)	4000 (@60bar)
	062	65.1	1.040	0.0110							
	074	76.8	1.220	0.0130							
	088	91.1	1.450	0.0150							
	102	105.5	1.680	0.0180							
	113	116.7	1.860	0.0200							
M4E M4SE	128	132.4	2.110	0.0220	175	230	3.5	2500	3000	4000 (@35bar)	4000 (@60bar)
	138	144.4	2.300	0.0240							
	153	158.5	2.520	0.0260							
	185	191.6	3.050	0.0320							
	214	222.0	3.530	0.0370							
	244	244.4	4.220	0.0440							

最低补油压力 (bar) *Minimum oil pressure (bar)*						
型号 Model	转速 (rpm) 油液粘度为32cst时 Rotational speed (RPM), when the oil viscosity is 32cst					
	500	1000	2000	3000	3600	
M5A	1.4	1.7	2.7	4.2	6.0	
M5B	1.4	1.7	2.7	4.2	6.0	
M4C	0.7	1.4	3.1	5.5	9.3	
M4D	0.7	1.4	3.1	5.5	9.3	
M4E	1.4	2.8	5.2	11.0	-	

油口位置 Porting combination



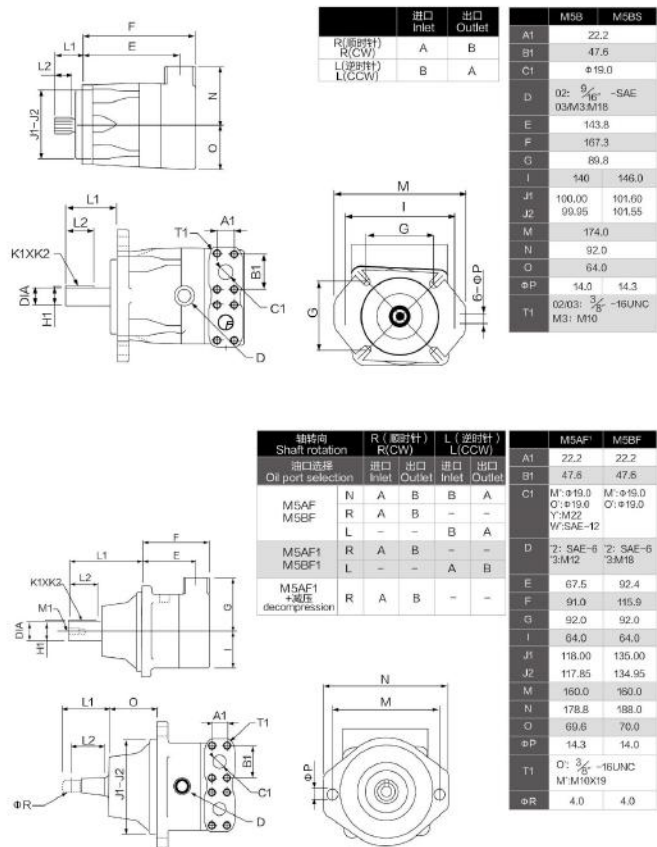
A、B油口 / A, B oil port

A&B	M5AF	M5AF1	M5B	M5BF	M5BF1	M5BS
3/4" SAE 4孔法兰 Metric thread	M	M	M	M	M	M
3/4" -4 bolts SAE flange	0	0	-	0	-	0
螺纹孔 Thread ports	Y	Y	-	-	-	-
SAE-12	W	W	-	-	-	-
3/4" SAE 4孔法兰 公制螺纹+比例减压	210 bar	A	-	-	-	-
140 bar	B	-	-	-	-	-
70 bar	C	-	-	-	-	-

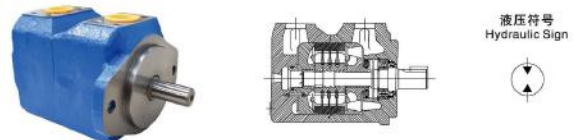
泄油口 / Drain

泄油口 Drain	M5AF	M5AF1	M5B	M5BF	M5BF1	M5BS
SAE	9/16"	2	-	-	2	-
SAE-6	-	-	-	-	-	2
公制 Metric	M12 x 1.5	3	-	-	-	-
M18 x 1.5	-	-	3	3	-	3
无 No	-	X	-	-	X	-

安装连接尺寸 Installation Dimensions



45M系列马达 45M Series motor



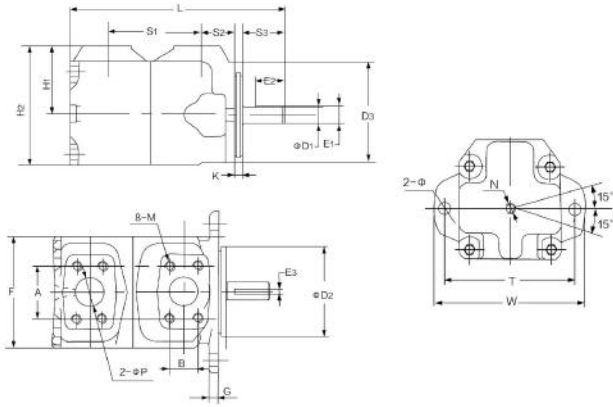
型号说明 / Model designation

系列号 Series	185	A	11	C	设计号 Design number	***
25M	42, 55, 65	A-SAE 2- 螺栓安装法兰和 SAE 4- 螺栓法兰连接	1-直键 11-Splined	A-端盖油口与 壳体油口反向 B-端盖油口与壳 体油口同向 C-端盖油口与壳 体油口反向 D-端盖油口与壳 体油口同向	20	无 No
35M	80, 95, 115	A-SAE type 2- bolt mounting flange	1-Straight keyed 11-Splined	A-Cover port opposite body port B-Cover port 90° count- erclockwise from body port C-Port connections in line D-Cover port 90° clock- wise from body port	114, 124	
45M	130, 155, 185	SAE 4-bolt flanged port connections				
50M	220, 255, 300					

技术参数 Technical Data

型号系列 Model Series	扭矩 Torque Nm/6.9 bar (lb in/100 psi)	排量 Displacement cm³/r (in³/r)	在1200r/min下要求 的流量输入 Flow input/required @1200 r/min L/min (USgpm)	最高转速和压力 Maximum speed & pressures	近似重量 Approx. weight kg (lb)
25M	4.7 (42) 6.2 (55) 7.3 (65)	43.9 (2.68) 57.7 (3.52) 68.7 (4.19)	52.6 (13.9) 69.3 (18.3) 82.5 (21.8)	3600 r/min @ 34 bar (500 psi) † 4000 r/min @ 34 bar (500 psi) ‡	18 (40)
35M	9.0 (80) 10.7 (95) 13.0 (115)	83.6 (5.10) 100.3 (6.12) 121.9 (7.44)	100.3 (26.5) 120.4 (31.8) 146.1 (38.6)	2600 r/min @ 155 bar (2250 psi) † 3000 r/min @ 172 bar (2500 psi) ‡	29 (64)
45M	14.7 (130) 17.5 (155) 20.9 (185)	138.0 (8.42) 163.2 (9.96) 193.2 (11.79)	165.4 (43.7) 195.7 (51.7) 232.0 (61.3)	2800 r/min @ 34 bar (500 psi) † 3200 r/min @ 34 bar (500 psi) ‡ 2200 r/min @ 155 bar (2250 psi) † 2400 r/min @ 172 bar (2500 psi) ‡	39 (85)
50M	24.9 (220) 28.8 (255) 33.9 (300)	231.2 (14.11) 268.1 (16.36) 317.1 (19.35)	277.5 (73.3) 321.8 (85.0) 380.4 (100.5)		73 (160)

安装连接尺寸 Installation Dimensions



型号说明 Model designation

型号 Series	A	B	D1	D2	D3	E1	E2	E3	F	G	H1
25M	58.72	30.12	22.23/22.20	101.60/101.55	120.7	24.49/24.31	31.8	4.75	117.3	12.7	76.2
35M	69.85	35.71	31.75/31.70	127.00/126.95	147.6	35.18/34.93	28.4	7.92	139.7	16	88.9
45M	77.77	42.88	31.75/31.70	127.00/126.95	147.6	35.18/34.93	28.4	7.92	158.8	16	93.7
50M	88.90	50.8	44.45/44.42	152.40/152.35	200.2	49.39/49.12	50.8	11.10	196.9	22.4	120.7

型号 Series	H2	K	L	M	N	P	Φ	S1	S2	S3	T	W
25M	134.9	9.05/9.14	241.1	0.4375-14UNC-2B	1/4NPTF-18	31.75	14.2	104.7	39.6	49.3	146.1	174.75
35M	158.8	12.7/12.2	275.9	0.500-13UNC-2B	3/8NPTF-18	38.10	17.5	122.4	48.3	49.3	181.1	212.9
45M	173	12.7/12.2	311.2	0.500-13UNC-2B	1/2NPTF-14	50.8	17.5	145.6	52.3	49.3	181.1	212.9
50M	219.7	12.7/12.2	369.3	0.500-13UNC-2B	1/2NPTF-14	63.5	20.6	162	69.9	66.18	229.6	266.7

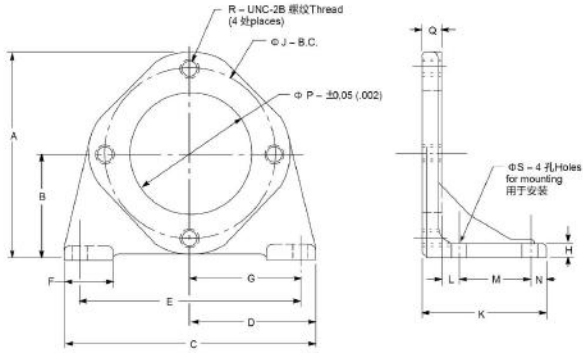
脚架安装 Foot Mounts

下表列出的脚架套件，能够用于安装具有标准SAE J744-2螺栓 A、B或C安装法兰的马达。这些标志对应脚架套件型号中的字母 -A-，-B-，-C-。每个套件包括脚架和用于安装马达的螺钉。套件不包括在马达内，必须用型号单独订货。

用于配合50M马达的SAE D安装法兰的脚架（件号279625）和安装螺钉（件号214794，2件）也有货。

The foot bracket kits tabulated below can be used to mount motors having standard SAE-J 744 2-bolt A, B, or C mounting flanges. These designations correspond to -A-, -B-, and -C- letters in the foot bracket kit model number. Each kit includes a bracket and screws for mounting to the motor. Kits are not included with motors and must be ordered separately by model number.

Also available are a bracket (part number 279625) and mounting screws (part number 214794, 2 required) to fit the SAE D mounting flange of 50M motors.



套件型号 Kit model number	尺寸 Dimensions							
	A	B	C	D	E	F	G	H
FB-A-10	134.9 (5.31)	69.9 (2.75)	152.4 (6.00)	76.2 (3.00)	127 (5.00)	36.6 (1.44)	63.5 (2.50)	12.7 (.50)
FB-B-10	180.8 (7.12)	92.2 (3.63)	171.5 (6.75)	85.8 (3.38)	146 (5.75)	36.6 (1.44)	73.2 (2.88)	12.7 (.50)
FB-C-10	215.9 (8.50)	109.5 (4.31)	265.2 (10.44)	132.6 (5.22)	235 (9.25)	50.8 (2.00)	117.6 (4.63)	15.7 (.62)

套件型号 Kit model number	尺寸 Dimensions								
	ΦJ	K	L	M	N	ΦP	Q	R	ΦS
FB-A-10	106.4 (4.19)	96 (3.78)	15 (.59)	50.8 (2.00)	12.7 (.50)	82.63 (3.253)	17.5 (.69)	38-16	11.2 (.44)
FB-B-10	146 (5.75)	95.8 (3.77)	15 (.59)	50.8 (2.00)	12.7 (.50)	101.68(4.003)	17.3 (.66)	50-13	17.3 (.66)
FB-C-10	181.1 (7.13)	131.6 (5.18)	19 (.75)	76.2 (3.00)	17.3 (.68)	127.06(5.003)	19 (.75)	62-11	17.3 (.66)