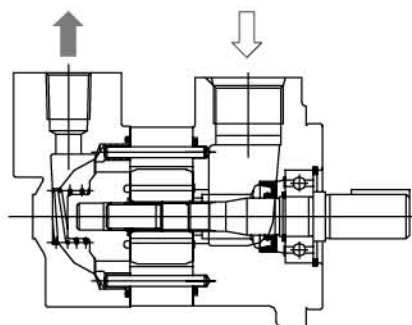
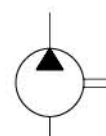


V10, 20 系列叶片泵 Series-vane Pumps



液压符号
Hydraulic Sign



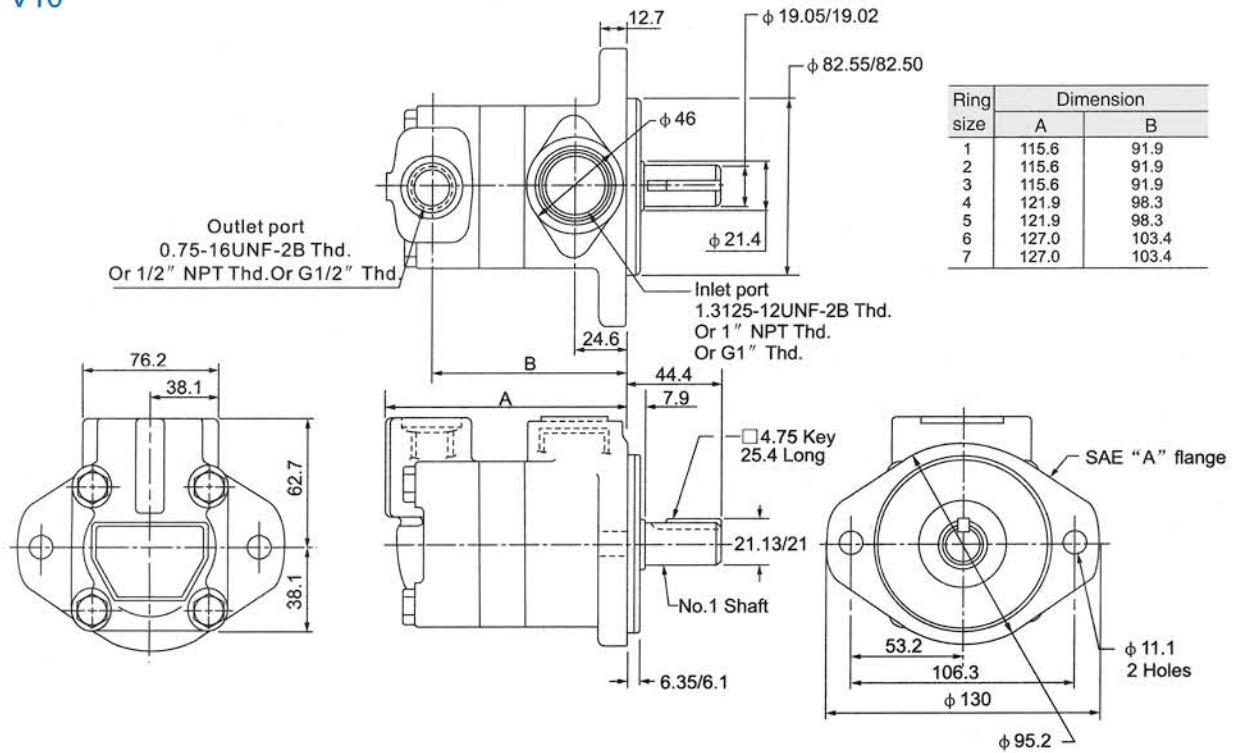
型号说明/Model Designation

(F3-)	V10	-P	7	S	-1	C	20	-L
前注 Note	系列号 Series	进油口连接 Inlet connection	排量代号 Displacement	出油口连接 Outlet connection	轴伸形式 Shaft type	出油口位置 Outlet positions	设计号 Design number	旋转方向 Rotation
无要求省略 Omit if not required F3-: 氟橡胶 Viton seals	V10	P-1"NPT Thread S-1.3125-12 Straight B-G1" Thread	1, 2, 3, 4, 5, 6, 7	P-1/2"NPT Thread S-0.750-16 Str.Thread B-G1/2" Thread	1-平键轴 Str key 11-花键轴 Spline	(从泵的盖端看) (Viewed from cover end of pump) A-进油口对面 Opposite inlet B-从进油口逆时针90° 90° CCW from inlet C-进油口同侧 Inline with inlet D-从进油口顺时针90° 90° CW from inlet	20	(从泵的轴端看) (Viewed from shaft end of pump) R-顺时针旋转 right hand for clockwise L-逆时针旋转 left hand for counter- clockwise
	V20	P-1-1/4"NPT Thread S-1.625-12 Straight B-G1-1/4" Thread	6, 7, 8, 9, 10, 11, 12, 13	P-3/4"NPT Thread S-1.0625-12 Straight R-1.1875-12 Straight B-G3/4"Thread	38-11teeth-3/4" outside spline shaft 62-spline shaft (only for V20)		10	

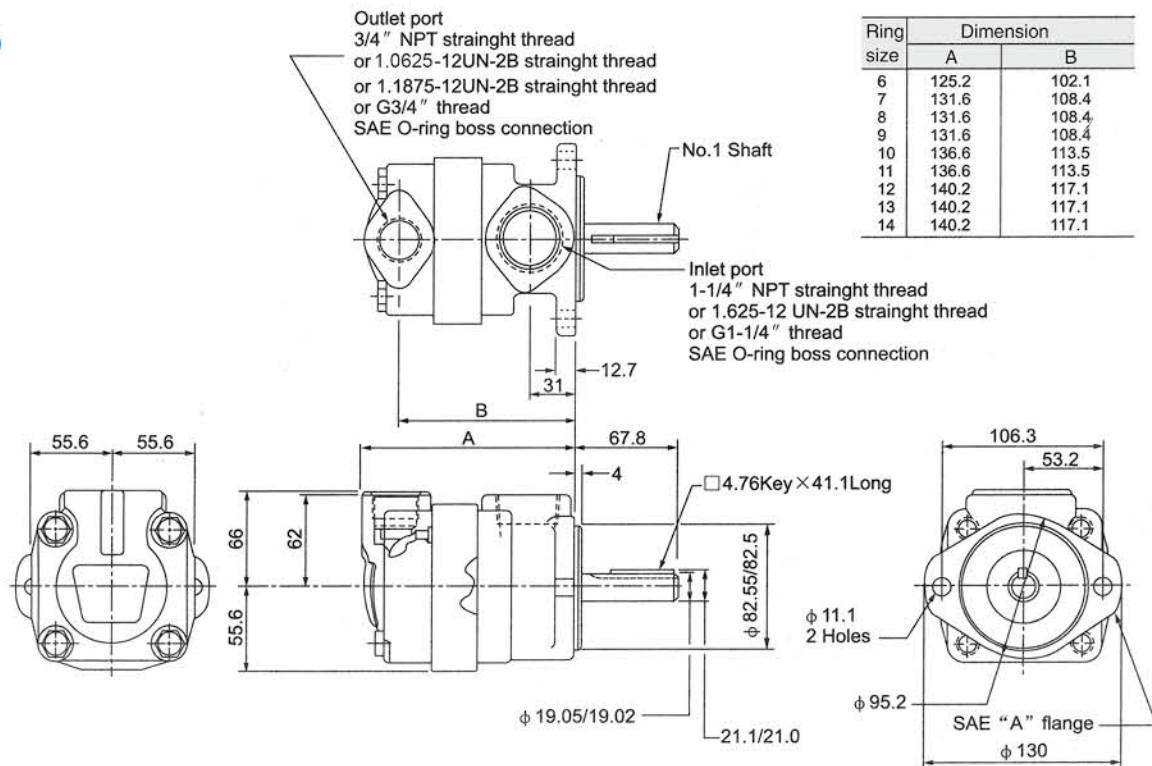
技术参数/Technical Data

系列号 series	排量代号 Displacement code	几何排量 Geometric displacement mL/r	使用普通液压油和磷酸酯液 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 r/min Max.speed	最高压力 Mpa Max.pressure	最高转速 r/min Max.speed	最高压力 Mpa Max.pressure	最高转速 r/min 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	10.9				
	6	19.5	15.2				3000	
	7	22.8	13.8				2800	
V20	6	19.5	17.2	3400	12.4	1800	10.9	1800
	7	22.8		3000				
	8	26.5		2800				
	9	29.7						
	10	30.0						
	11	36.4		2500				
	12	39	15.2	2400				
	13	42.4						

V10



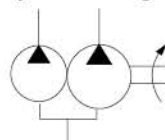
V20



V2010, 2020 系列双联泵 Series-double Pumps



液压符号
Hydraulic Sign



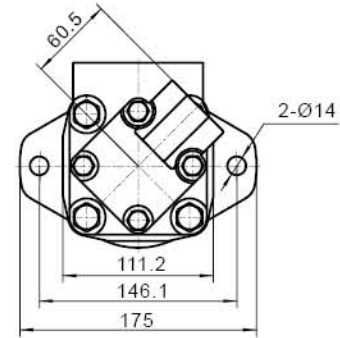
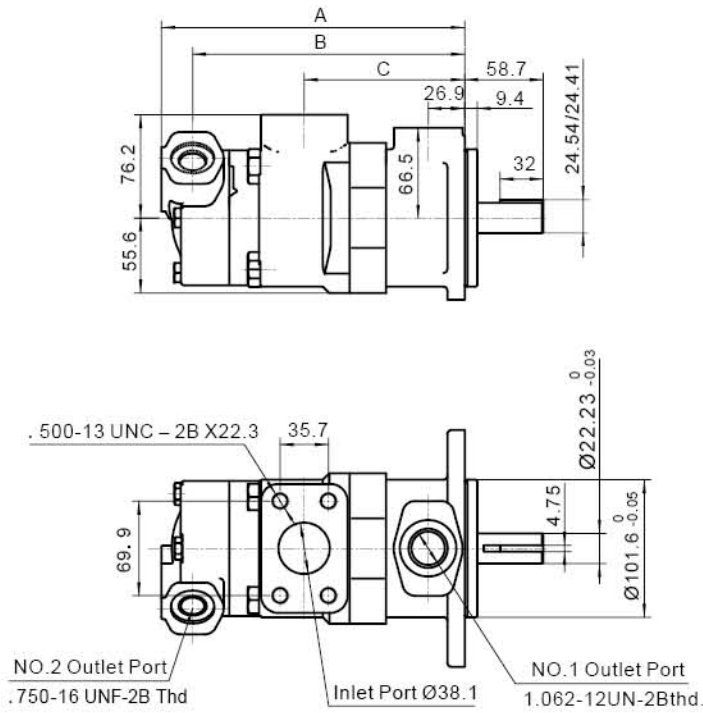
型号说明/Model Designation

(F3-)	V2010	-1	F	13	S	3	S	-1	CC	-12	-R
前注 Note	系列号 Series	安装 Mounting	进油口连接 Inlet port connections	轴端泵排量代号 Flow-Shaft end pump	第一出油口 No. 1 outlet port	盖端泵排量代号 Flow-cover end pump	第二出油口 No. 2 outlet port	轴伸形式 Shaft type	出油口位置 Outlet positions	设计号 Design number	旋转方向 Rotation
无要求 省略 Omit if not required F3-: 氟橡胶 Viton seals	V2010	1- SAE B 2螺栓法兰4" 止口 2 bolt flange 4" rabbet 6- SAE C 2螺栓法兰 3.25" 止口 2 bolt flange 3.25" rabbet	F- 4 螺栓法兰 bolt flange	6, 7, 8, 9, 10, 11, 12, 13	S-1.062- 12UN- 2Bthd	1, 2, 3, 4, 5, 6, 7	S-.750-16 St.Thd.	-1 平键轴 Str key	见下表 see below	-12	(从泵的轴端看) (Viewed from shaft end of pump) -R 顺时针旋转 right hand for clockwise -L 逆时针旋转 left hand for counter-clockwise
	V2020					6, 7, 8, 9, 10, 11, 12, 13	S-1.062- 12 St.Thd.	-11 花键轴 spline			

出油口位置 (从泵的盖端看) / Outlet Porsitions (Viewed from cover end of pump)

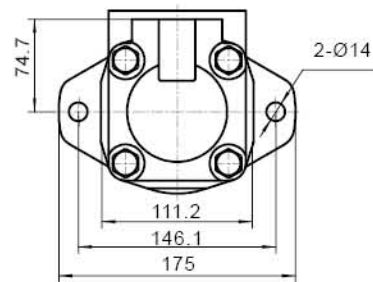
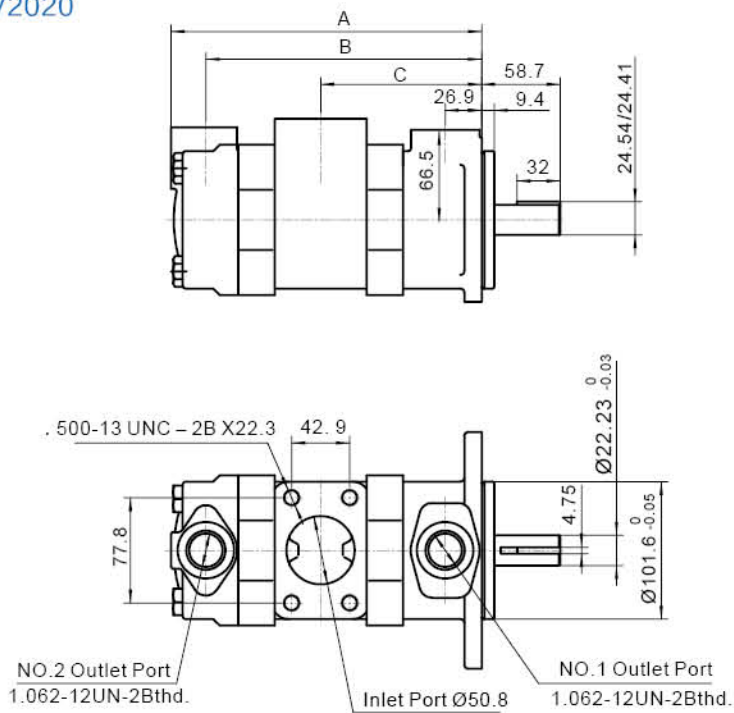
出油口位置/Outlet positions		V2010	V2020
第一出油口在进油口对面 No.1 outlet opposite inlet	AA	第二出油口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出油口在进油口对面 No.2 outlet opposite inlet
	AB	第二出油口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出油口在进油口逆时针转90° No.2 outlet 90° CCW from inlet
	AC	第二出油口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出油口在进油口同侧 No.2 outlet inline with inlet
	AD	第二出油口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出油口在进油口顺时针转90° No.2 outlet 90° CW from inlet
第一出油口从进油口逆时针转90° No.1 outlet 90° CCW from inlet	BA	第二出油口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出油口在进油口对面 No.2 outlet opposite inlet
	BB	第二出油口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出油口在进油口逆时针转90° No.2 outlet 90° CCW from inlet
	BC	第二出油口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出油口在进油口同侧 No.2 outlet inline with inlet
	BD	第二出油口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出油口在进油口顺时针转90° No.2 outlet 90° CW from inlet
第一出油口在进油口同侧 No.1 outlet inline with inlet	CA	第二出油口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出油口在进油口对面 No.2 outlet opposite inlet
	CB	第二出油口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出油口在进油口逆时针转90° No.2 outlet 90° CCW from inlet
	CC	第二出油口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出油口在进油口同侧 No.2 outlet inline with inlet
	CD	第二出油口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出油口在进油口顺时针转90° No.2 outlet 90° CW from inlet
第一出油口从进油口顺时针转90° No.1 outlet 90° CW from inlet	DA	第二出油口在进油口逆时针转135° No.2 outlet 135° CCW from inlet	第二出油口在进油口对面 No.2 outlet opposite inlet
	DB	第二出油口在进油口逆时针转45° No.2 outlet 45° CCW from inlet	第二出油口在进油口逆时针转90° No.2 outlet 90° CCW from inlet
	DC	第二出油口在进油口顺时针转45° No.2 outlet 45° CW from inlet	第二出油口在进油口同侧 No.2 outlet inline with inlet
	DD	第二出油口在进油口顺时针转135° No.2 outlet 135° CW from inlet	第二出油口在进油口顺时针转90° No.2 outlet 90° CW from inlet

V2010



代号/USgpm		尺寸/Dimension		
轴端 Shaft end	盖端 Cover end	A	B	C
7, 8, 9	1, 2, 3, 4, 5, 6, 7	213.0 219.1 224.1	190.0 196.1 201.1	113.5
10, 11	1, 2, 3, 4, 5, 6, 7	218.2 224.1 229.1	195.0 201.1 206.1	118.5
12, 13	1, 2, 3, 4, 5, 6, 7	222.0 228.1 233.1	199.0 205.1 210.1	121.5

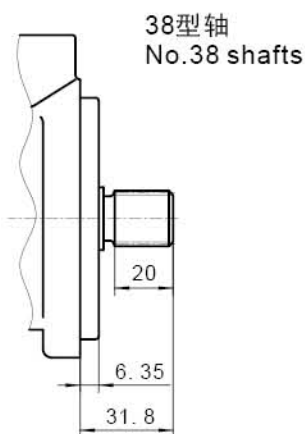
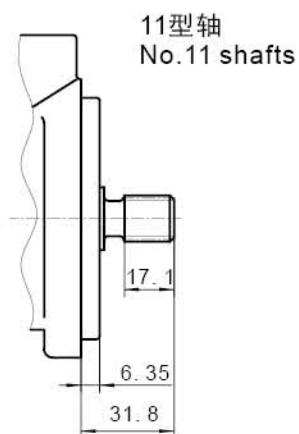
V2020



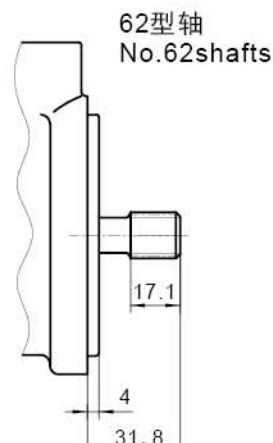
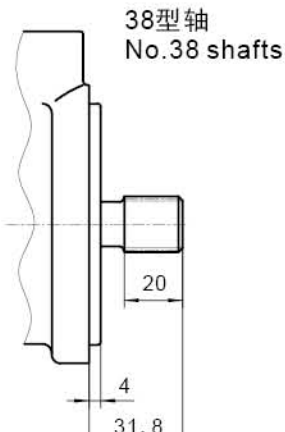
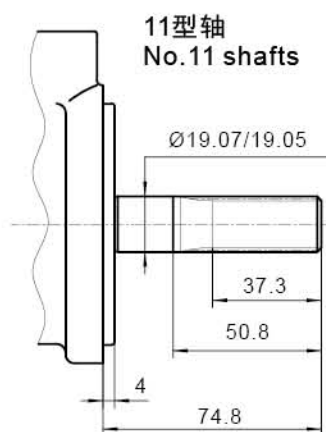
代号/USgpm		尺寸/Dimension		
轴端 Shaft end	盖端 Cover end	A	B	C
7, 8, 9	6, 7, 8, 9	213.4 219.5	187.7 193.8	114.0
10, 11	6, 7, 8, 9, 10, 11	218.4 224.5 229.5	192.7 198.8 203.8	119.0
12, 13	6, 7, 8, 9, 10, 11	222.4 228.5 233.5	196.7 202.8 207.8	122.5

花键轴参数/Splined Shaft Type

V10

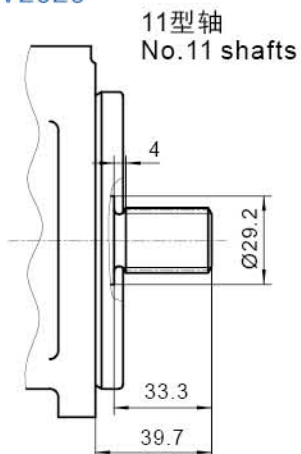


V20



V2010

V2020



渐开线花键参数表/Involute spline data table

型号 Model	轴伸代号 Shaft code	齿数 Number of teeth	径节 Pitch	齿顶圆直径 Major diameter	节圆直径 Pitch diameter	齿根圆直径 Minor diameter	配合形式 Suitable for
V10	11	9	16/32	15.82/15.80	14.29	12.28/12.00	齿顶 Tooth tip
	38	11	16/32	18.63/18.50	17.46	15.24/14.99	齿侧 Side tip
V20	11	11	16/32	19.01/18.93	17.46	15.90/15.62	齿侧 Side tip
	38	11	16/32	18.63/18.50	17.46	15.24/14.99	齿侧 Side tip
	62	9	16/32	15.82/15.80	14.29	12.28/12.00	齿顶 Tooth tip
V2010 V2020	11	13	16/32	22.17/22.15	19.03	18.63/18.35	齿顶 Tooth tip