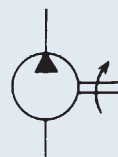


FIXED DISPLACEMENT VANE PUMP

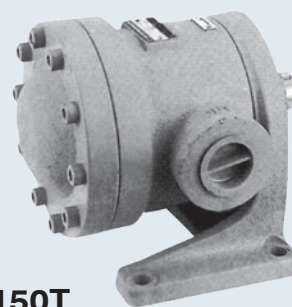
FEATURES:

1. Designed with high capacity in all aspects.
2. Special design consideration has been given to the flow passage to prevent anti-cavitation. Extreme smooth and quiet in operation, particularly suitable for in-plant application.
3. Maximum working pressure 1000 psi (70 bar), ideal to use as low pressure pump in Hi-Lo system because of price and performance.
4. Viewing from the shaft end, the direction of rotation is clockwise. (R)



Symbol

50T, 150T



How to order

50T, 150T - 23 - L - R - L - ✖

1 2 3 4 5 6

- | | |
|---|---|
| 1 | Low pressure single vane pump |
| 2 | Displacement cc/rev |
| 3 | Mounting type F: Flange type L: Foot type (normal) |
| 4 | Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise |
| 5 | Discharge port position (viewed from shaft end) L: Left side (normal) R: Right side |
| 6 | Shaft diameter for 50T None: ø22 (standard) 01: ø19.05 |

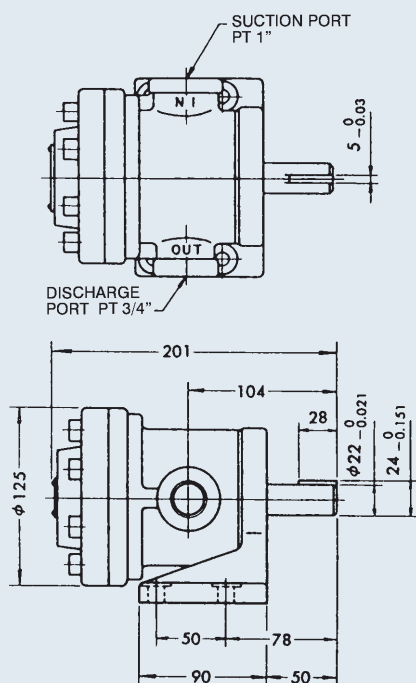
Specifications

Model	Displacement cc/rev	Delivery At No-Load Pressure (lpm)				Running Speed (rpm)		Max. Pressure (bar)	Weight (kg)	
		Running Speed (rpm)				Max.	Min.		Flange Type	Foot Type
		1000	1200	1500	1800					
50T	07	—	9.0	11.2	13.5	1800	1200	105	9.5	10.5
	12	12.0	14.4	18.0	21.6	1800	950	105		
	14	14.6	17.5	21.7	26.1	1800	950	105		
	17	17.0	20.3	25.5	31.5	1800	950	105		
	19	19.2	23.0	28.8	34.6	1800	950	105		
	21	21.1	25.3	31.7	38.0	1800	950	105		
	23	23.0	27.6	34.5	41.4	1800	950	105		
	26	26.2	31.4	39.3	47.2	1800	950	105		
	30	30.1	36.1	45.2	54.0	1800	950	105		
	36	36.2	43.4	54.3	—	1500	950	70		
	40	41.5	49.8	—	—	1200	950	70		
150T	48	48.3	57.9	72.4	86.9	1800	900	90	24	25
	61	61.5	73.8	92.2	110.7	1800	900	90		
	75	75.2	90.6	113.2	135.9	1500	900	90		
	94	94.2	113.0	141.3	—	1500	900	70		
	116	116.3	139.6	—	—	1200	900	70		

FIXED DISPLACEMENT VANE PUMP

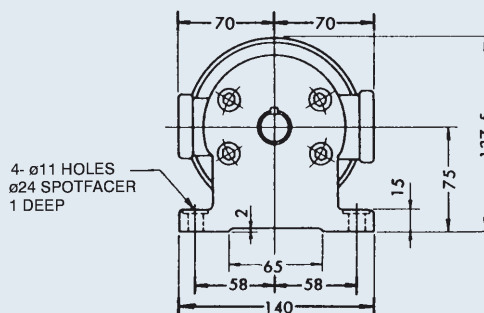
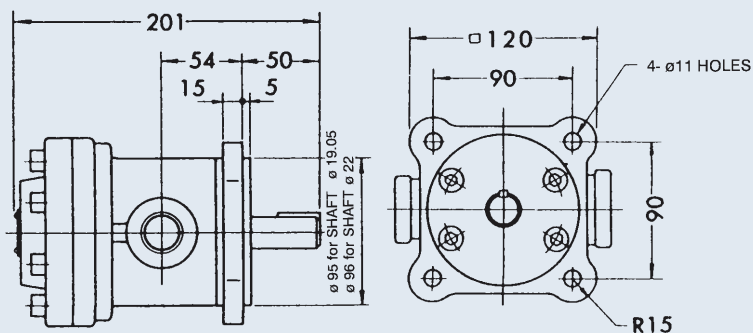
Dimensions

50T FOOT TYPE

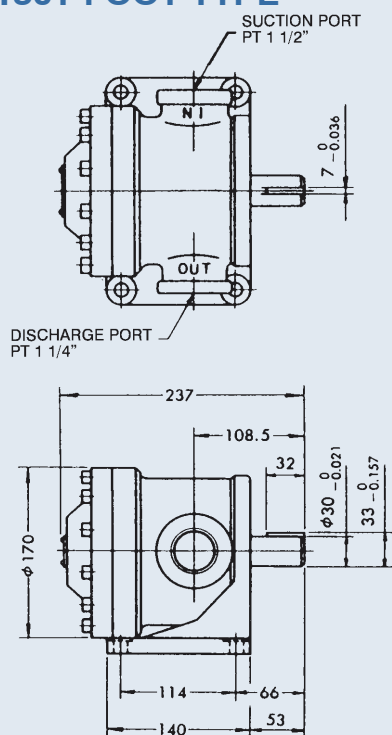


FLANGE TYPE

Unit:mm

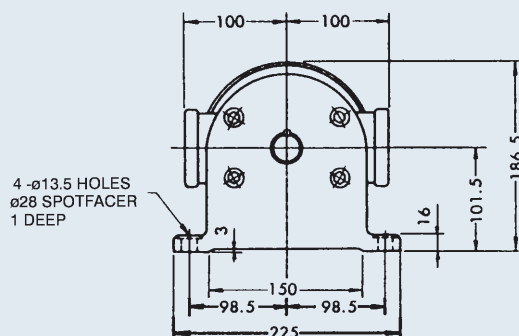
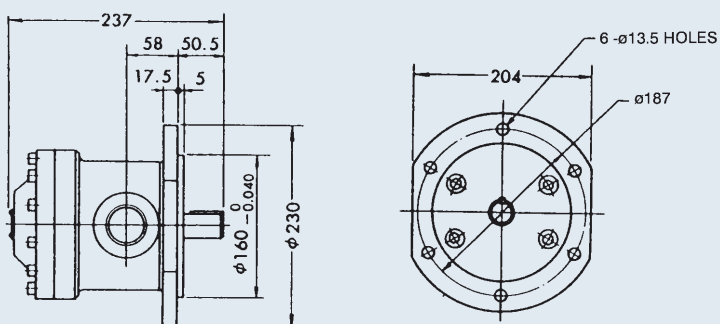


150T FOOT TYPE



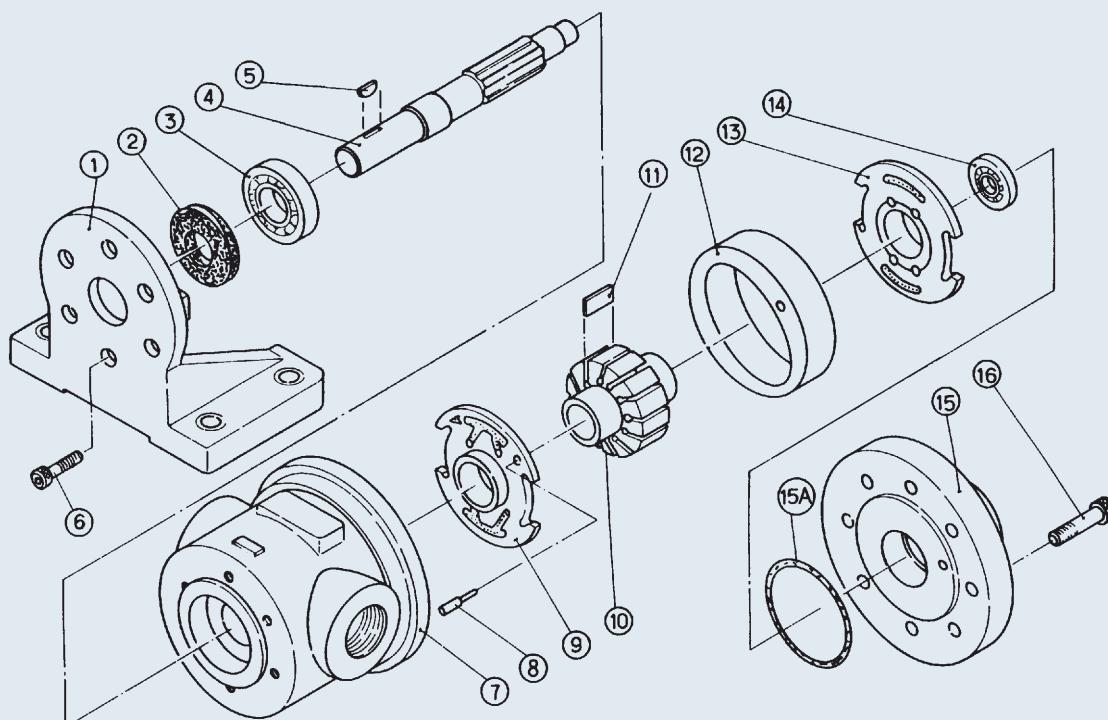
FLANGE TYPE

Unit:mm



FIXED DISPLACEMENT VANE PUMP

50T, 150T Decomposition Chart



50T parts list

Item No.	Description	Specification	Q'ty
1	Foot (or) Flange		1
2	Seal	22x47x8	1
3	Bearing	6204ZZ	1
4	Shaft		1
5	Woodruff-Key	NO.607	1
6	Socket Head Cap Screws	M10x1.5x20	6
7	Body		1
8	Lock-Pin		1
9	"A" Port Plate		1
10	Rotor		1
11	Vanes		12
12	Cam Ring		1
13	"B" Port Plate		1
14	Bearing	6200	1
15	Cover		1
15A	O-Ring	G75	1
16	Socket Head Cap Screws	M10x1.5x30	8

150T parts list

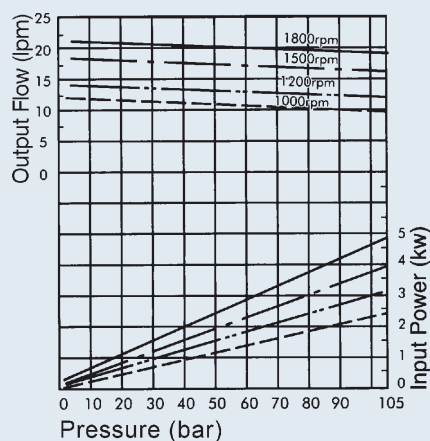
Item No.	Description	Specification	Q'ty
1	Foot (or) Flange		1
2	Seal	32x52x9	1
3	Bearing	6205ZZ	1
4	Shaft		1
5	Key	7x7x35	1
6	Socket Head Cap Screws	M10x1.5x20	6
7	Body		1
8	Lock-Pin		1
9	"A" Port Plate		1
10	Rotor		1
11	Vanes		12
12	Cam Ring		1
13	"B" Port Plate		1
14	Bearing	6203	1
15	Cover		1
15A	O-Ring	G120	1
16	Socket Head Cap Screws	M10x1.5x40	8

FIXED DISPLACEMENT VANE PUMP

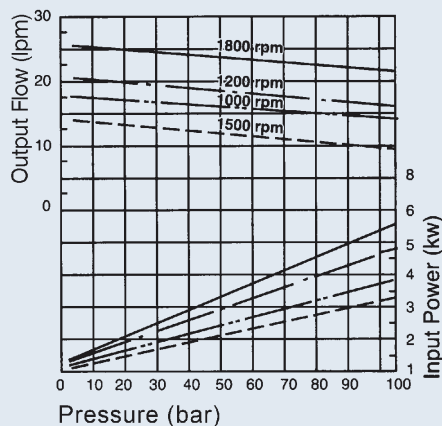
Performance curves



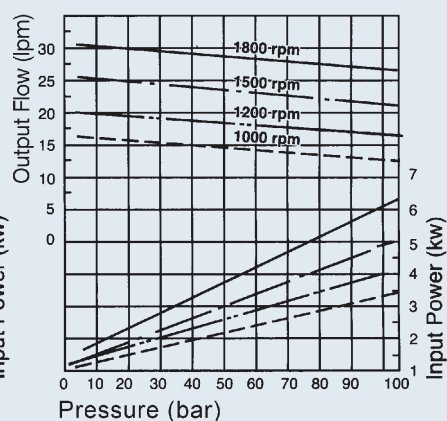
50T-12



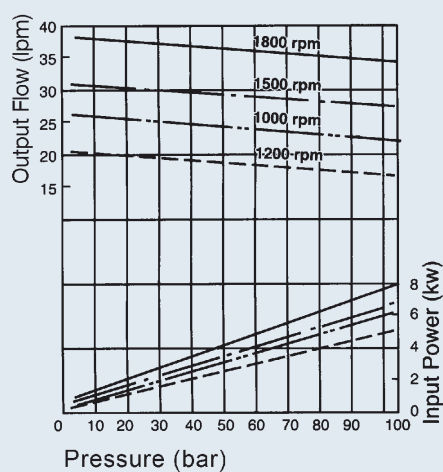
50T-14



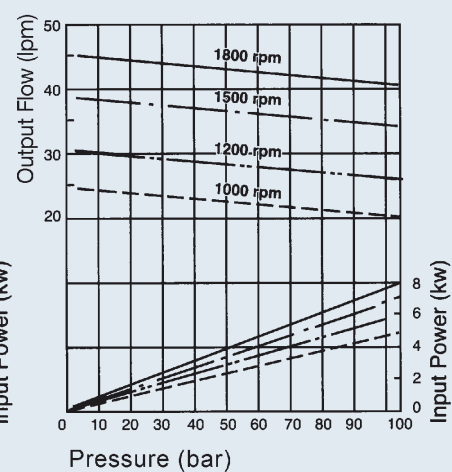
50T-17



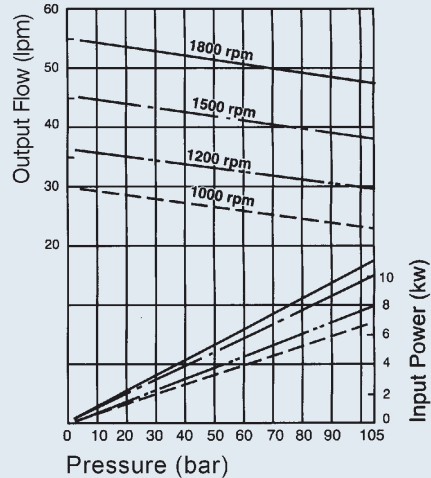
50T-21



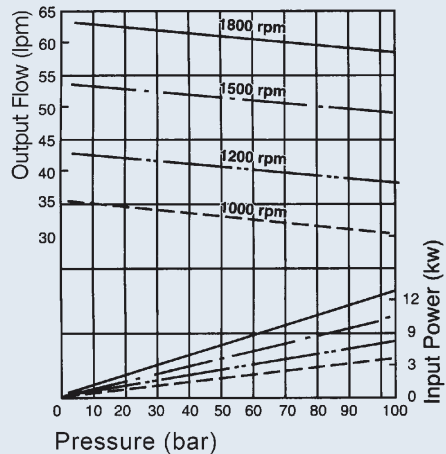
50T-23



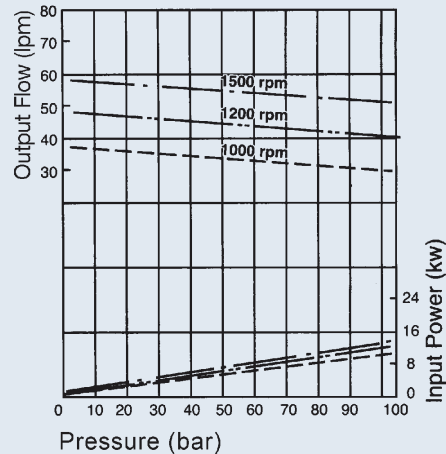
50T-30



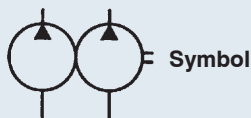
50T-36



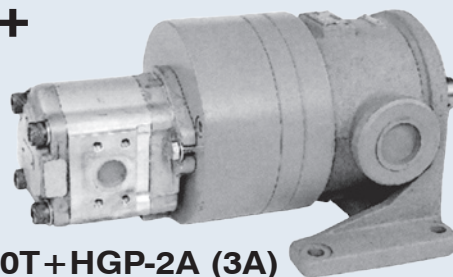
50T-40



LOW PRESSURE VANE PUMP+ HI-PRESSURE GEAR PUMP



Symbol



50T+HGP-2A (3A)
150T+HGP-2A (3A)

How to order

50T, 150T - 36 - 3 - ✖ - R - 01

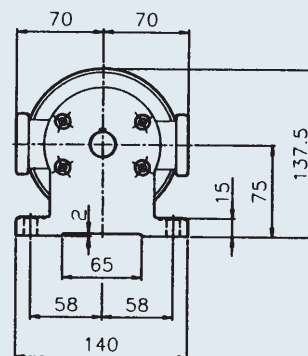
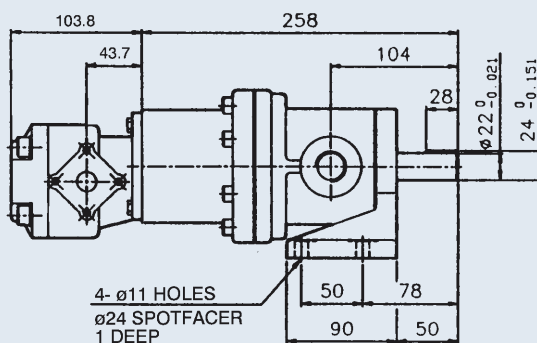
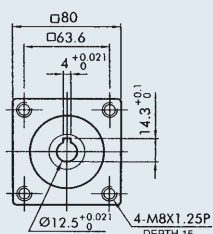
1 2 3 4 5 6

1	Model
2	Vane pump displacement 36: 36cc/rev (see page. 81)
3	Gear pump displacement 3: 3cc/rev (see page. 129 HGP-2A, page. 131 HGP-3A)
4	Mounting type F: Flange type L: Foot type (normal)
5	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise
6	Shaft diameter for 50T None: $\phi 22$ (normal) 01: $\phi 19.05$

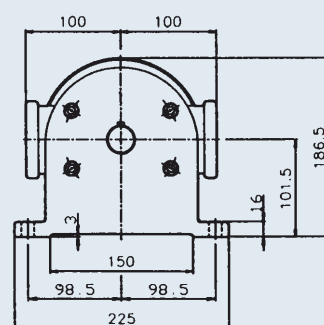
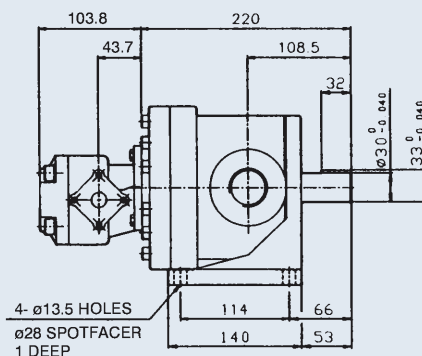
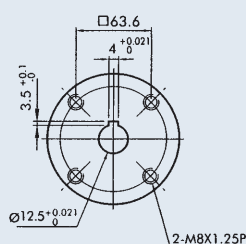
Dimensions

50T+HGP-2A

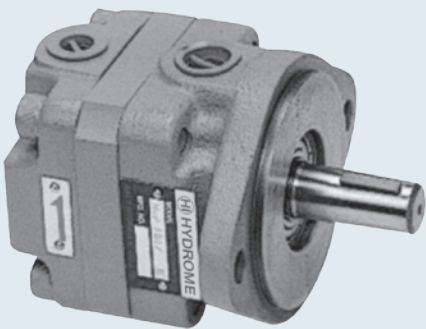
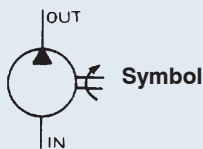
Unit:mm



150T+HGP-2A



HVP-FAI FIXED DISPLACEMENT VANE PUMP



How to order

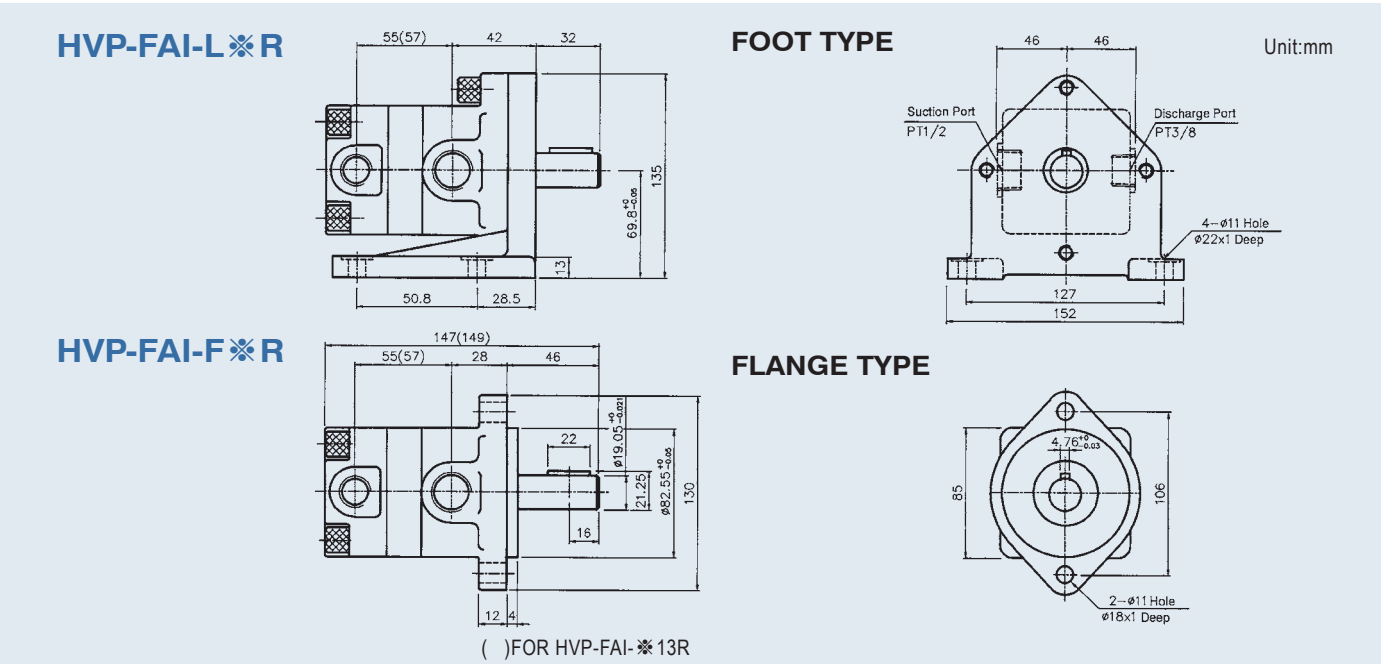
HVP-FAI - F - 11 - R

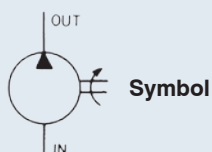
	1	2	3	4
1	Low pressure single vane pump			
2	Mounting type F: Flange type (normal) L: Foot type			
3	Displacement			
4	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise			

Specifications

Model	Max. Pressure (bar)	Operating Characteristics At1200 rpm With 20cst Fluid						Running Speed (rpm)		Ports Size (pt)		Weight (kg)	
		Delivery (lpm)			Input (kw)			Min.	Max.	Out	In	Foot Type	Flange Type
		5 bar	35 bar	70 bar	5 bar	35 bar	70 bar						
HVP-FAI-F5R	70	5.1	4.6	3.7	0.1	0.5	1.0	900	1800	3/8	1/2	6.5	5.6
HVP-FAI-F8R	70	9.7	8.9	7.7	0.1	0.8	1.5	900	1800	3/8	1/2	6.5	5.6
HVP-FAI-F11R	70	13.8	12.8	11.7	0.2	1.0	2.1	900	1800	3/8	1/2	6.5	5.6
HVP-FAI-F13R	70	14.9	13.8	12.8	0.2	1.3	2.5	900	1800	3/8	1/2	6.5	5.6

Dimensions





1

2

3

4

1	Low pressure single vane pump
2	Displacement
3	Mounting type F: Flange type(normal) L: Foot type
4	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise

Model	Max. Pressure (bar)	Operating Characteristics At1800 rpm With 20 Fluid						Running Speed (rpm)		Ports Size (pt)		Weight (kg)	
		Delivery (lpm)			Input (kw)			Min.	Max.	Out	In	Foot Type	Flange Type
		0 bar	30 bar	70 bar	0 bar	30 bar	70 bar						
DS-11	70	5.0	4.5	3.9	0.2	0.55	1.1	600	2400	3/8	1/2	4.5	3.0
DS-12	70	7.7	7.2	6.5	0.3	0.75	1.5	600	2400	3/8	1/2	4.5	3.0
DS-13	70	12.6	11.8	11.0	0.4	1.05	2.1	600	2400	3/8	1/2	4.5	3.0
DS-14	70	22.1	21.6	21.0	0.6	1.65	3.4	600	2400	3/8	1/2	4.5	3.0

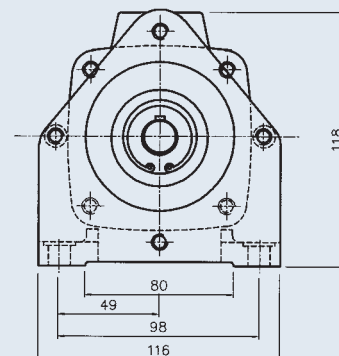
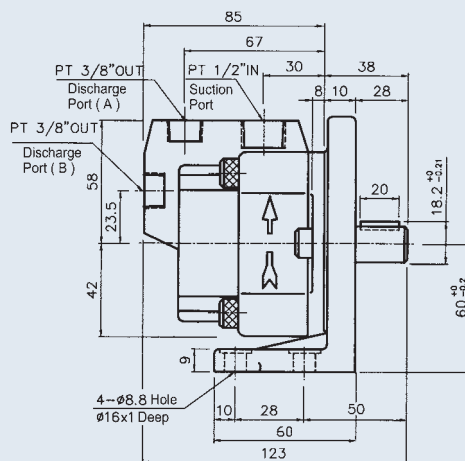
DS-✖-FR

Technical drawing of a mechanical part, likely a bracket or plate, showing dimensions and features. The drawing includes a side view and a top view. Key dimensions and features are labeled:

- Overall width: 116
- Overall height: 98
- Top flange thickness: 7.5
- Central hole diameter: $\phi 16^{+0.03}_{-0.019}$
- Central hole depth: 5
- Central hole position tolerance: ± 0.03
- Bottom flange thickness: 4.3
- Bottom flange width: 70
- Bottom flange position tolerance: ± 0.03
- Bottom flange hole diameter: $\phi 18$
- Bottom flange hole depth: 1
- Bottom flange hole position tolerance: ± 0.03
- Bottom flange hole diameter: $\phi 18$
- Bottom flange hole depth: 1
- Bottom flange hole position tolerance: ± 0.03
- Bottom flange hole diameter: $\phi 18$
- Bottom flange hole depth: 1
- Bottom flange hole position tolerance: ± 0.03

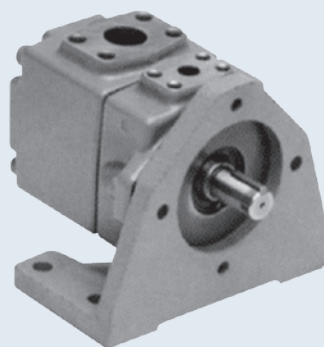
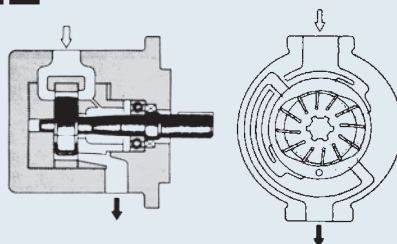
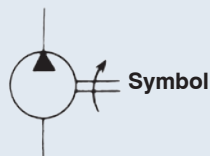
DS-✖-LR

FOOT TYPE



Note: The outlet (B) of the standdrad type is plugged

FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP



How to order

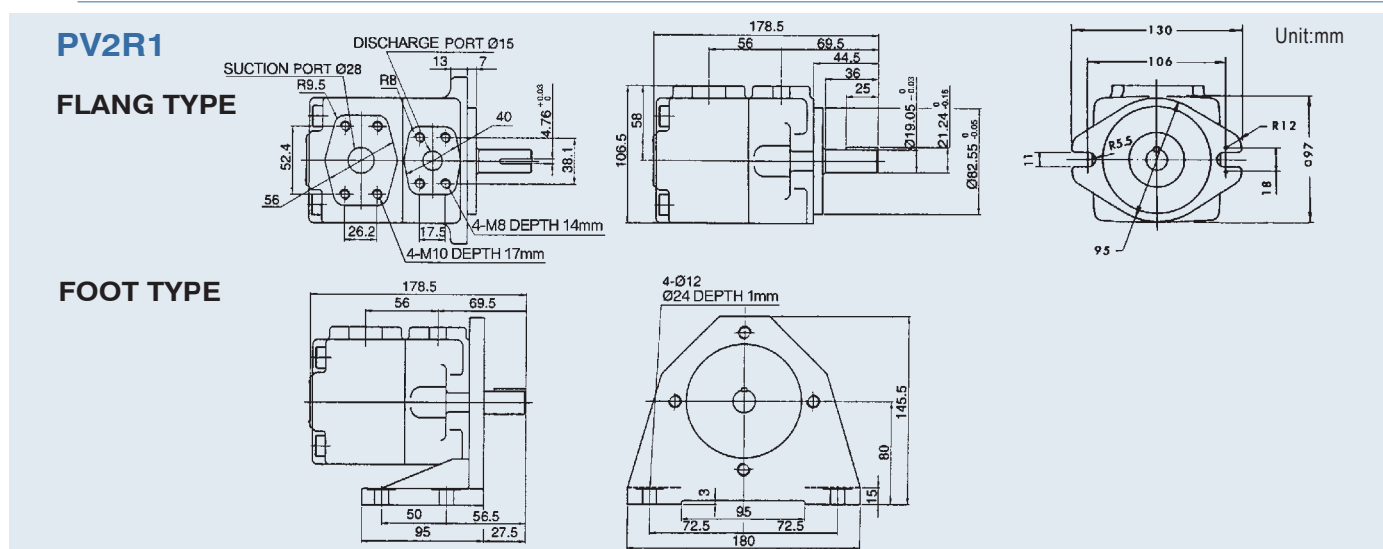
PV2R1 - 25 - F - R - A - A

	1	2	3	4	5	6
1	Model PV2R1, PV2R2, PV2R3, PV2R4 (see page 92 VQ-45)					
2	Displacement cc/rev					
3	Mounting type F: Flange type (normal) L: Foot type					
4	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise					
5	Discharge port A: Upward (normal) B: Downward R: Right side L: Left side					
6	Suction port A: Upward (normal) B: Downward R: Right side L: Left side					

Specifications

Model	Delivery (cc/rev)	Max. Pressure (bar)	Running Speed (rpm)		Weight (kg)		Model	Delivery (cc/rev)	Max. Pressure (bar)	Running Speed (rpm)		Weight (kg)	
			Max.	Min.	Flange Type	Foot Type				Max.	Min.	Flange Type	Foot Type
PV2R1-06	5.8	210	1800	750	9	11.2	PV2R2-47	47.2	210	1800	600	19	23.3
PV2R1-08	8						PV2R2-53	52.3					
PV2R1-10	9.4						PV2R2-59	58.2					
PV2R1-12	12.2						PV2R2-65	64.7					
PV2R1-14	13.7						PV2R3-60	60.3				36.7	46.7
PV2R1-17	16.6						PV2R3-66	66.4					
PV2R1-19	18.6						PV2R3-76	76.4					
PV2R1-23	22.7						PV2R3-82	82.2					
PV2R1-25	25.3						PV2R3-88	88.3					
PV2R1-31	31						PV2R3-94	93.6					
PV2R2-26	26.2	PV2R3-108	108.2										
PV2R2-33	33	PV2R3-116	115.6	175									
PV2R2-38	38	PV2R3-126	125.6										
PV2R2-41	41.3	210	600	19	23.3								

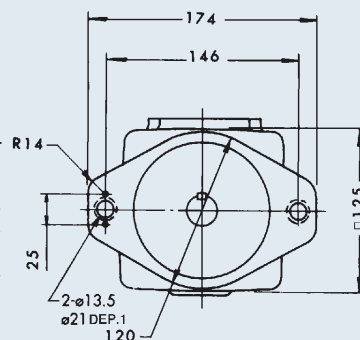
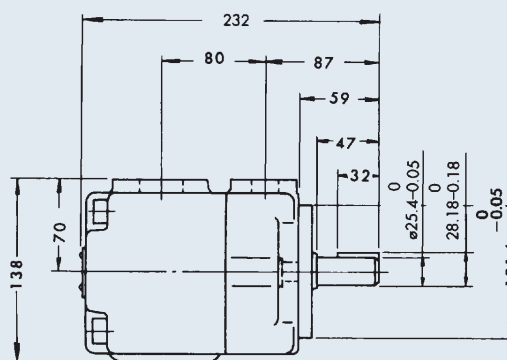
Dimensions



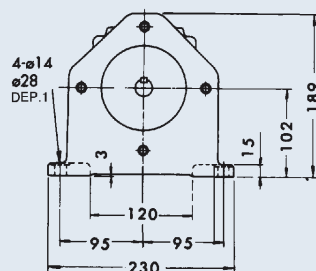


PV2R2

Unit:mm

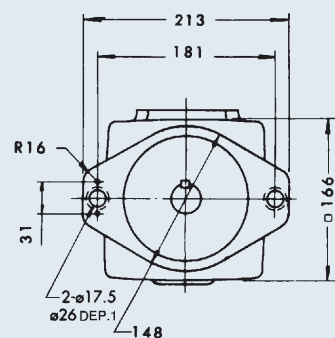
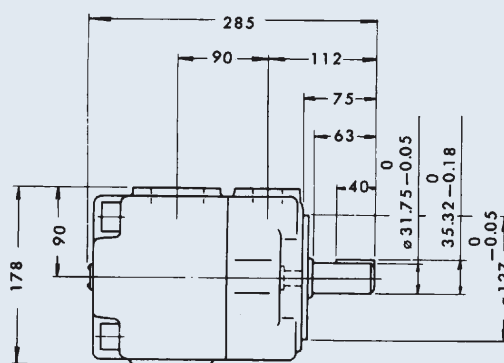


Technical drawing of the front view of a mechanical part. The drawing shows a cylindrical component with a flange on the right. Dimensions are indicated as follows: 232 (total width), 80 (width of the main body), 87 (width of the flange), 60 (width of the base), 73 (width of the base flange), 115 (width of the base), and 38 (height of the base flange).

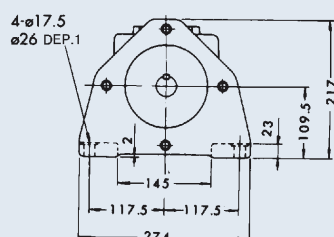


PV2R3

Unit:mm



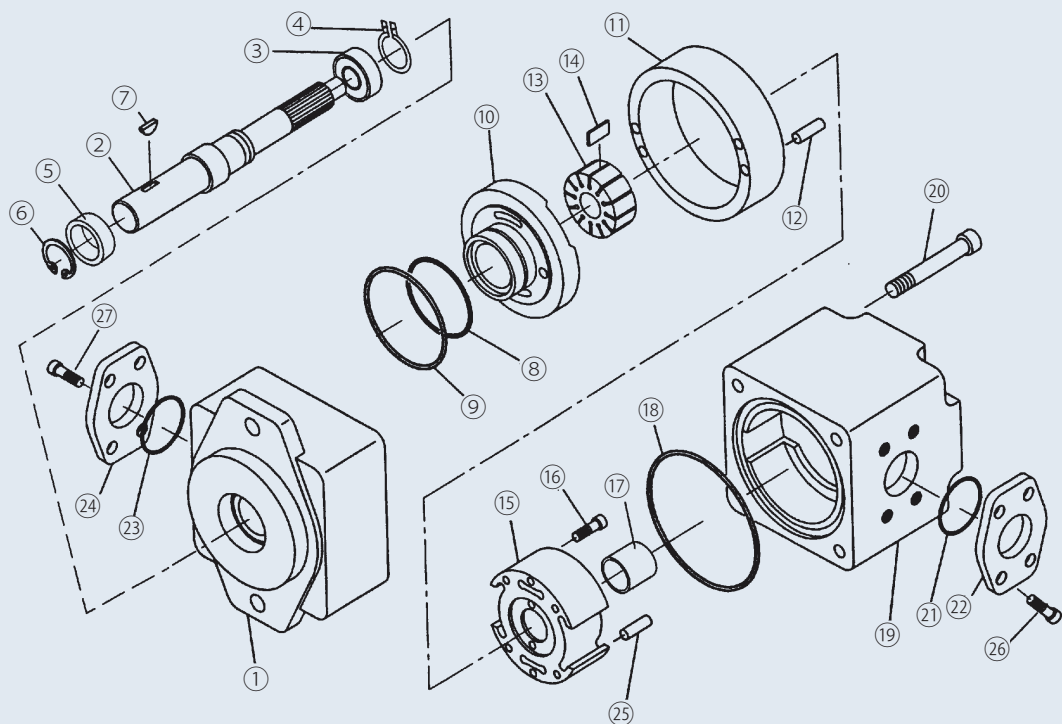
Technical drawing of the front view of a mechanical part. The drawing shows a rectangular component with a central vertical slot and a horizontal slot on the right side. Dimensions are indicated as follows: 285 (total width), 90 (width of the left section), 112 (width of the central section), 76.2 (width of the bottom section), 88 (width of the right section), 131 (width of the bottom section), and 50 (width of the right section).



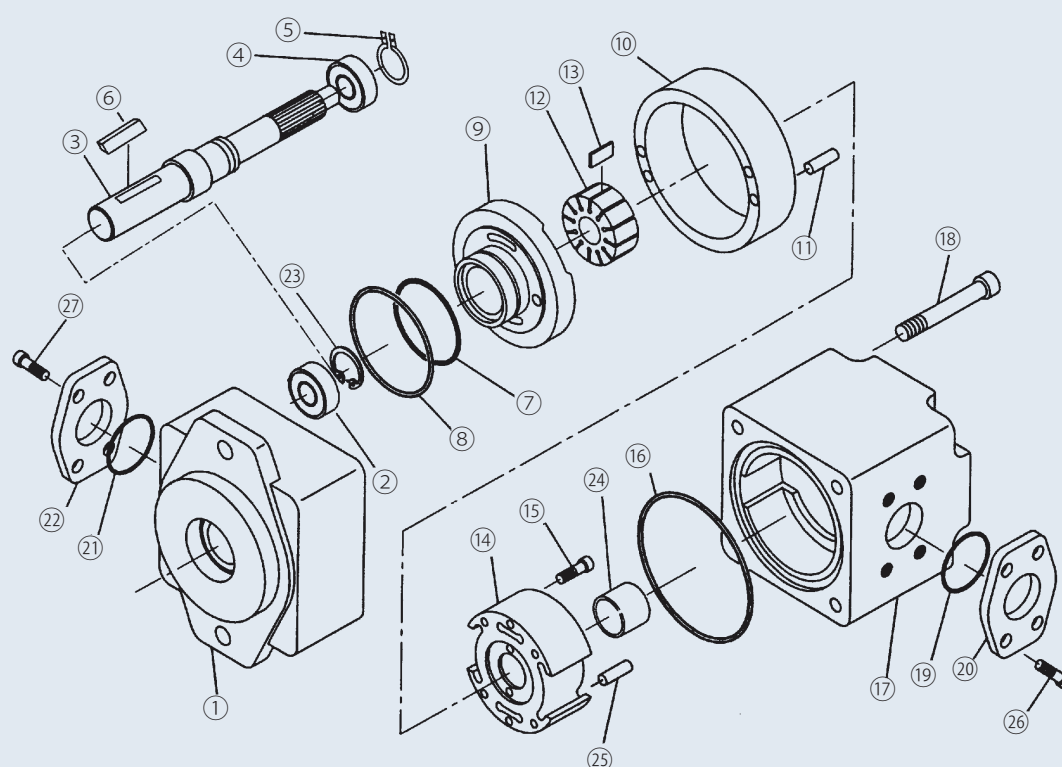
FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

Decomposition Chart

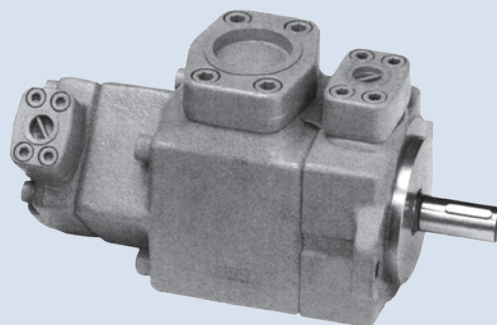
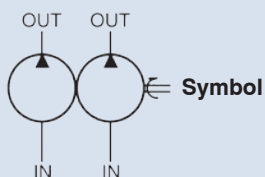
PV2R1



PV2R2
PV2R3



FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP



How to order

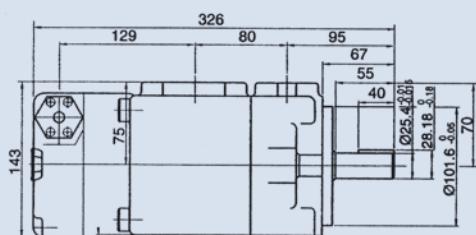
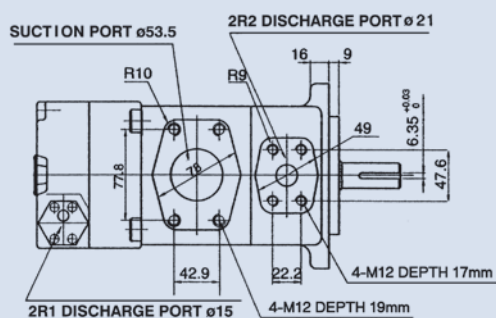
PV2R12, PV2R23 - ※ - ※ - F - R - A - A - A

	1	2	3	4	5	6	7	8
1	Model	PV2R12 (P1: PV2R2, P2: PV2R1)	PV2R13 (P1: PV2R3, P2: PV2R1)	PV2R23 (P1: PV2R3, P2: PV2R2)				
2	P1: Displacement cc/rev (see page 83)							
3	P2: Displacement cc/rev (see page 83)							
4	Mounting type	F: Flange type (normal)	L: Foot type					
5	Shaft rotation (viewed from shaft end)	R: Clockwise	L: Counter-clockwise					
6	P1: Discharge port	A: Upward (normal)	B: Downward	R: Right side	L: Left side			
7	Suction port	A: Upward (normal)	B: Downward	R: Right side	L: Left side			
8	P2: Discharge port	A: Upward (normal)	B: Downward	R: Right side	L: Left side	E: Left upward 45°		

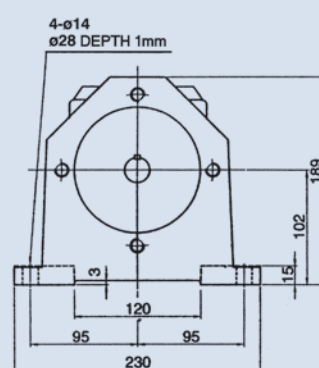
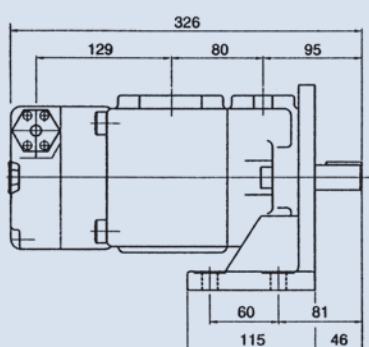
Dimensions

PV2R12

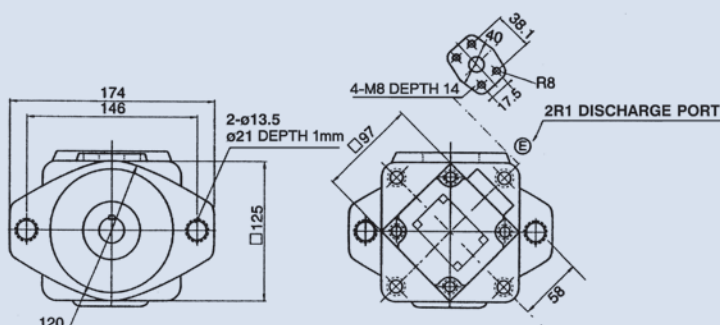
FLANGE TYPE



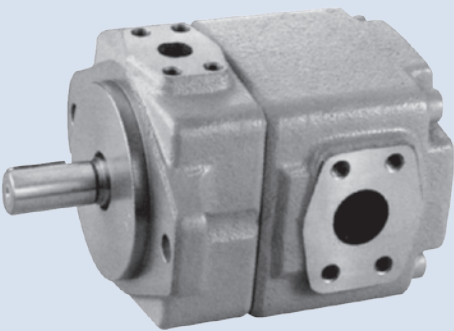
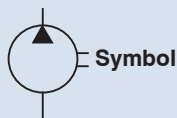
FOOT TYPE



Unit:mm



FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP



How to order

VQ25 - 18 - F - R - A - A - 01

	1	2	3	4	5	6	7
1	Model						
2	Displacement cc/rev						
3	Mounting type F: Flange type (normal) L: Foot type						
4	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise						
5	Discharge port (viewed from shaft end) A: Upward (normal) B: Downward R: Right side L: Left side						
6	Suction port (viewed from shaft end) A: Upward (normal) B: Downward R: Right side L: Left side						
7	Shaft type 01: Normal						

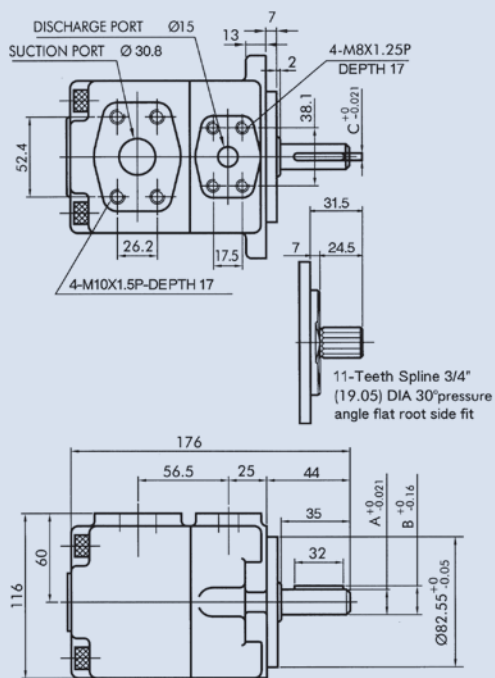
Specifications

Model	Displacement (cc/rev)	Delivery At No-load Pressure (lpm)				Running Speed (rpm)		Max . Pressure (bar)	Weight (kg)	
		Running Speed (rpm)				Max.	Min.		Flange Type	Foot Type
		1000	1200	1500	1800					
VQ15	06	6.2	7.4	9.3	11.2	1800	1200	230	10.3	12.7
	08	8.1	9.7	12.1	14.6					
	11	11.2	13.4	16.8	20.1					
	14	14.3	17.1	21.5	25.7					
	17	17.1	20.5	25.6	30.7					
VQ20	19	19.2	23	28.8	34.5	1500	800	200	12.3	17
	23	23.3	27.9	34.9	41.9					
	26	26.1	31.1	39.1	46.9					
	31	31.1	37.3	46.6	—					
	38	38.1	45.6	—	—					
VQ25	18	18.1	21.7	27.2	32.6	1800	230	16.7	21.4	
	22	22.1	26.5	33.2	39.8					
	26	26.2	31.4	39.3	47.1					
	32	32.1	38.5	48.1	57.7					
	38	38.2	45.8	57.3	68.7					
SVQ25	43	43.2	51.8	64.8	77.7	1500	600	200	33	41
	47	47.1	56.5	70	85					
	52	52.3	62.7	78.4	94.1					
	60	60.2	72.7	90.3	108.3					
	65	65.3	78.3	97.9	117.5					
VQ35	60	60.3	72.3	90.4	108.5	1800	200	36	44	
	66	66.4	79.6	99.6	119.5					
	76	76.3	91.5	114.4	137.3					
	82	82.2	98.6	123.3	147.9					
	88	88.3	105.9	132.4	158.9					
SVQ35	94	94.5	113.4	141.7	170.1	1500	600	200	66.5	94.5
	108	108.2	129.8	162.3	194.4					
	116	116.1	139.3	174.1	208.9					
VQ45	125	124.6	149.5	186.9	—	1800	600	200	61	89
	136	136.8	164	204	246					
	156	156.2	188	234	280					
SVQ45	189	189.5	227	284	340	1500	600	200	61	89
	200	200	240	300	360					
DVQ45	216	216	260	324	—	1500	600	200	61	89
	237	237	285	355	—					

FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

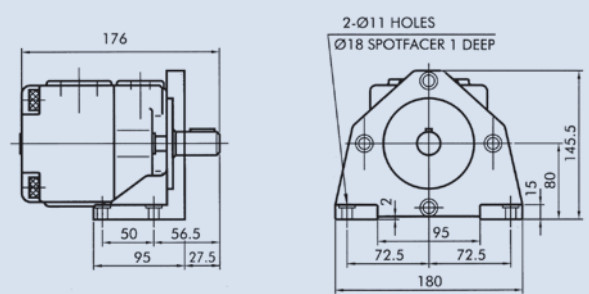
Dimensions

VQ15

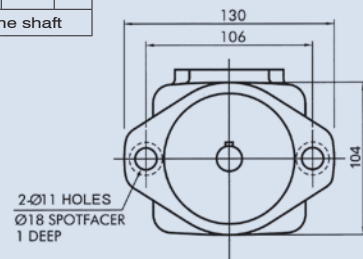


FOOT TYPE

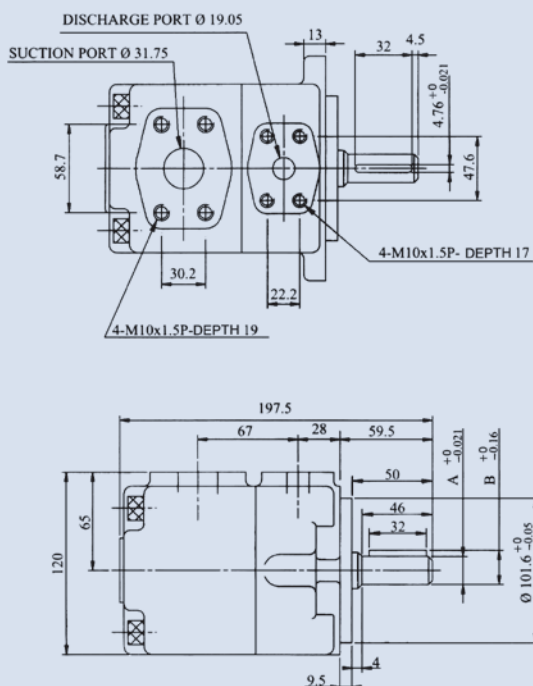
Unit:mm



	A	B	C
NO.01-Shaft	$\varnothing 19.05$	21.24	4.76
NO.03-Shaft	Spline shaft		

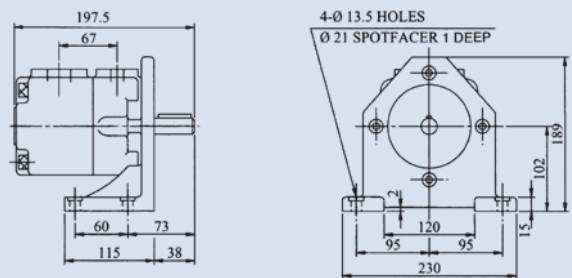


VQ20

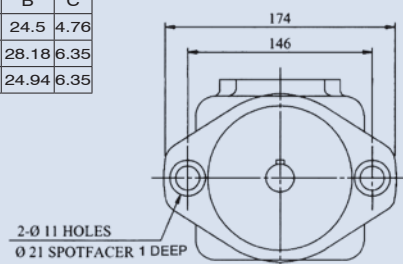


FOOT TYPE

Unit:mm



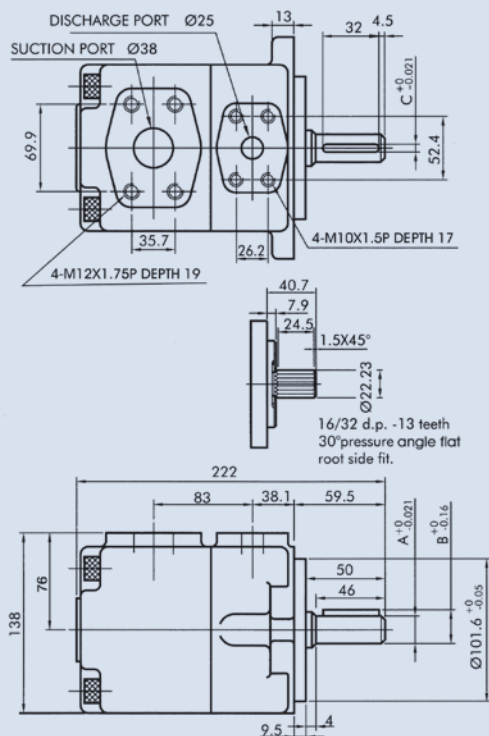
	A	B	C
NO.01-Shaft	$\varnothing 22.23$	24.5	4.76
NO.02-Shaft	$\varnothing 25.4$	28.18	6.35
NO.03-Shaft	$\varnothing 22.23$	24.94	6.35



FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

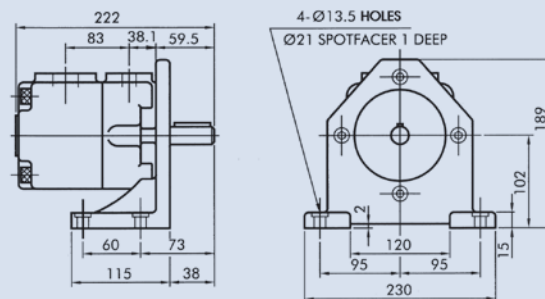
Dimensions

VQ25

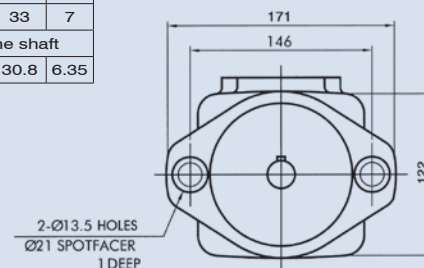


FOOT TYPE

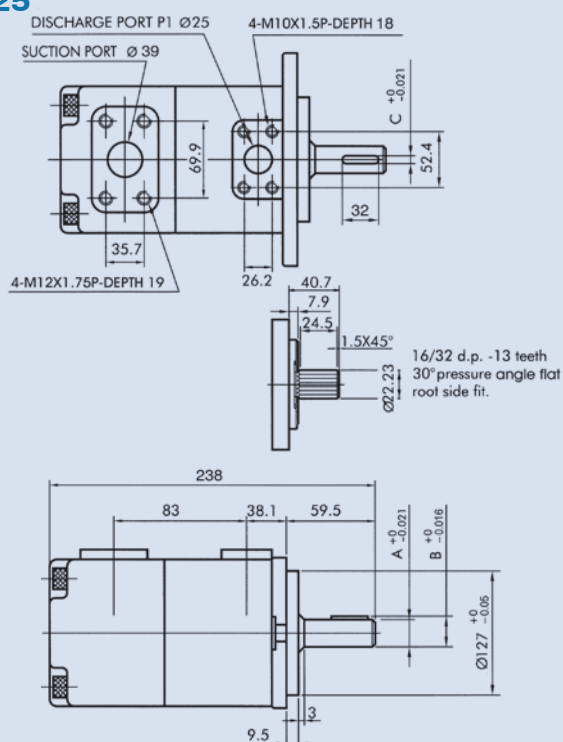
Unit:mm



	A	B	C
NO.01-Shaft	ø22.23	24.5	6.35
NO.02-Shaft	ø25.4	28.18	6.35
NO.03-Shaft	ø30	33	7
NO.04-Shaft	Spline shaft		
NO.W-Shaft	ø28	30.8	6.35

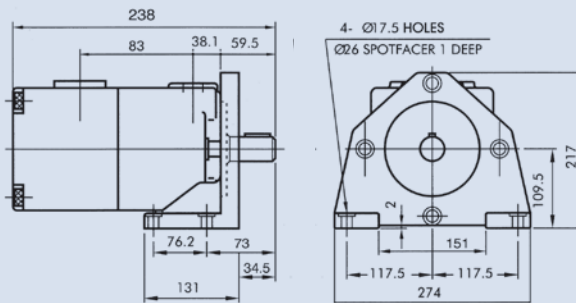


SVQ25

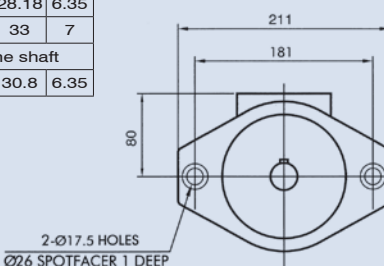


FOOT TYPE

Unit:mm



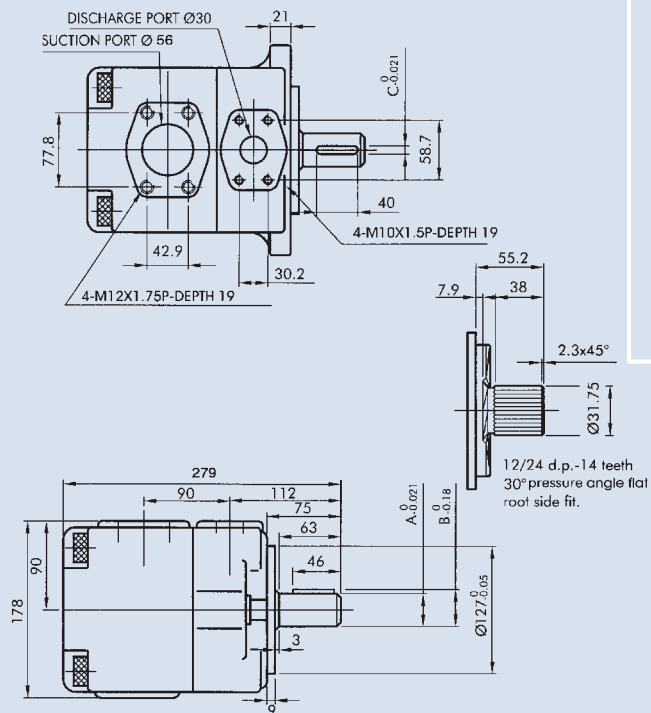
	A	B	C
NO.01-Shaft	ø22.23	24.5	6.35
NO.02-Shaft	ø25.4	28.18	6.35
NO.03-Shaft	ø30	33	7
NO.04-Shaft	Spline shaft		
NO.W-Shaft	ø28	30.8	6.35



FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

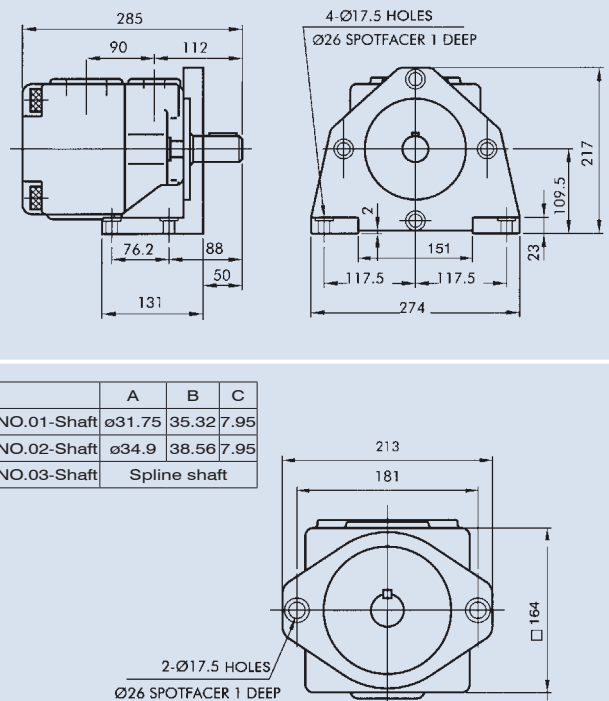
Dimensions

VQ35

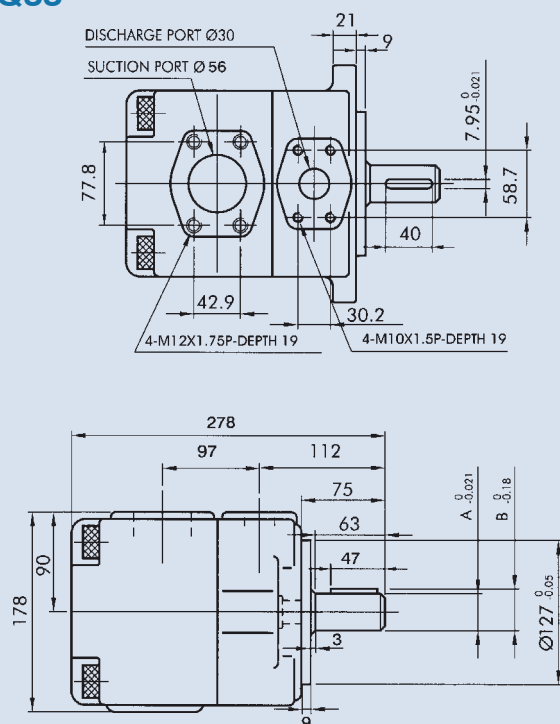


FOOT TYPE

Unit:mm

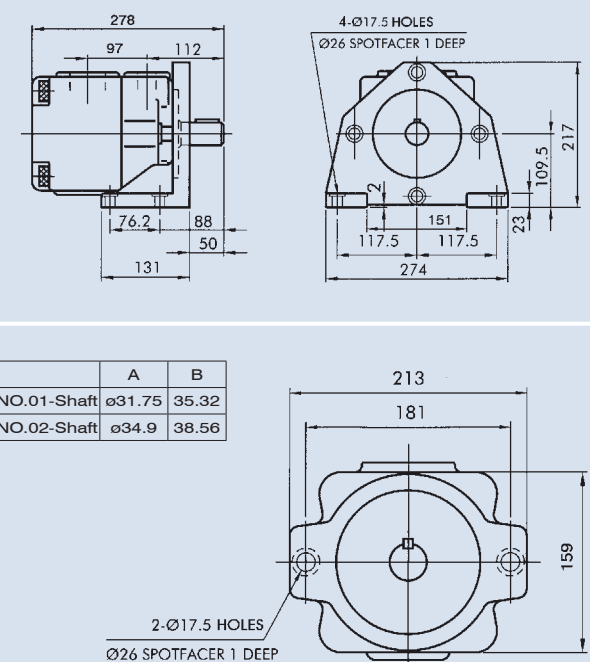


SVQ35



FOOT TYPE

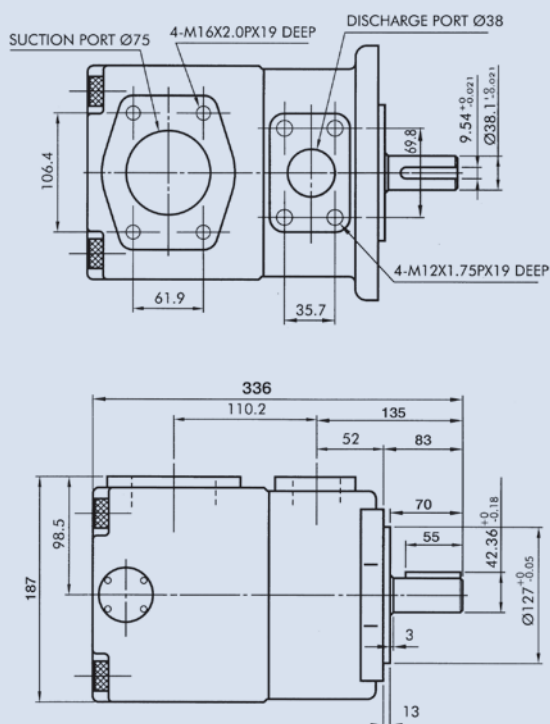
Unit:mm



FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

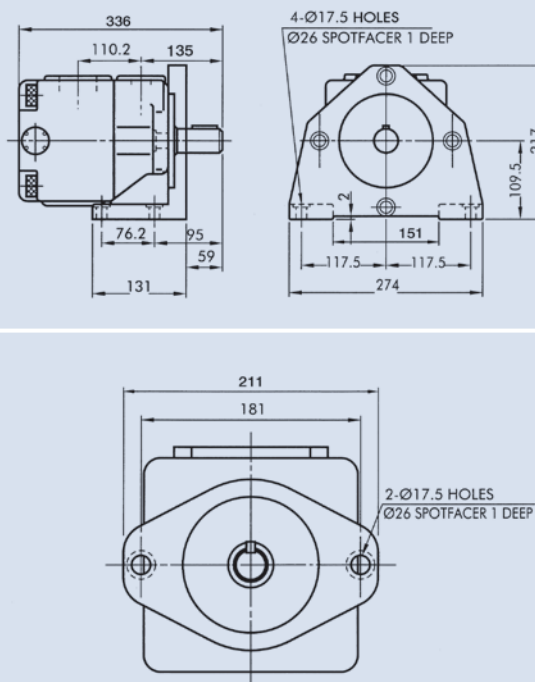
Dimensions

VQ45

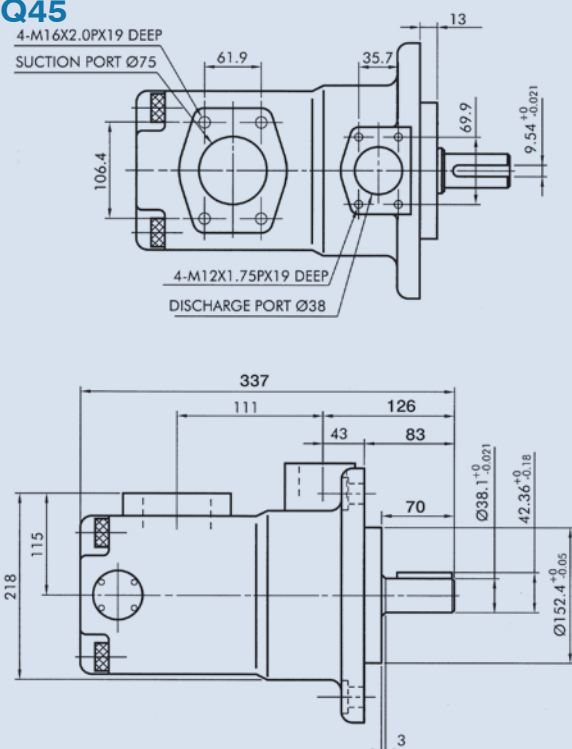


FOOT TYPE

Unit:mm

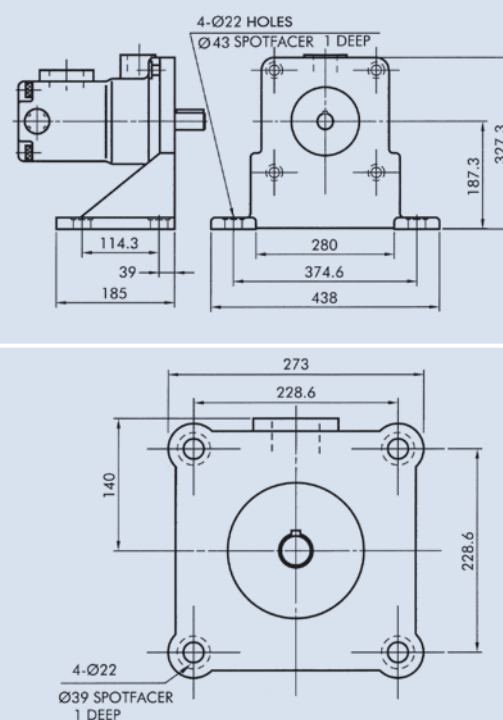


DVQ45



FOOT TYPE

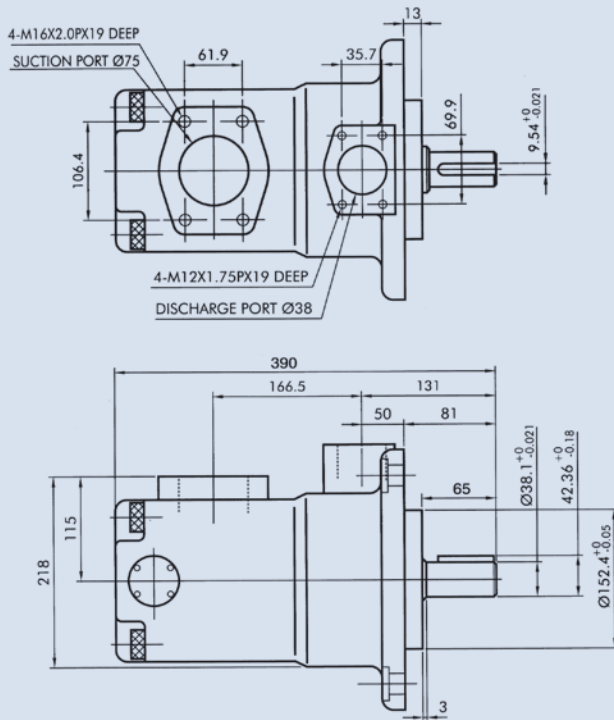
Unit:mm



FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

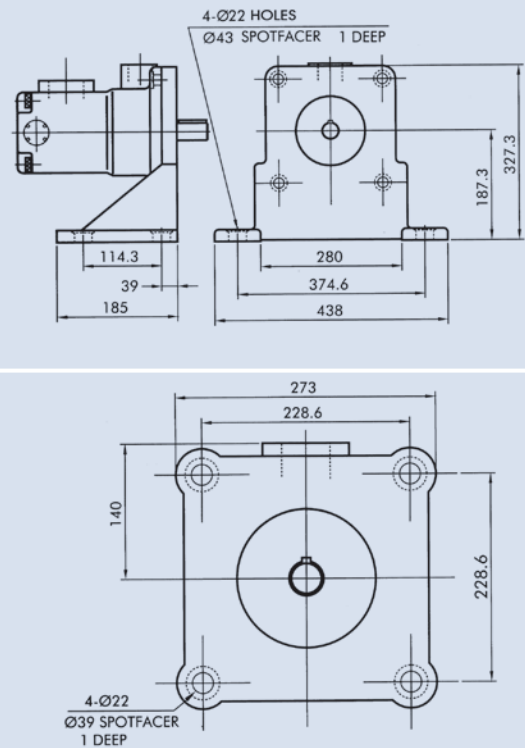
Dimensions

SVQ45



FOOT TYPE

Unit:mm



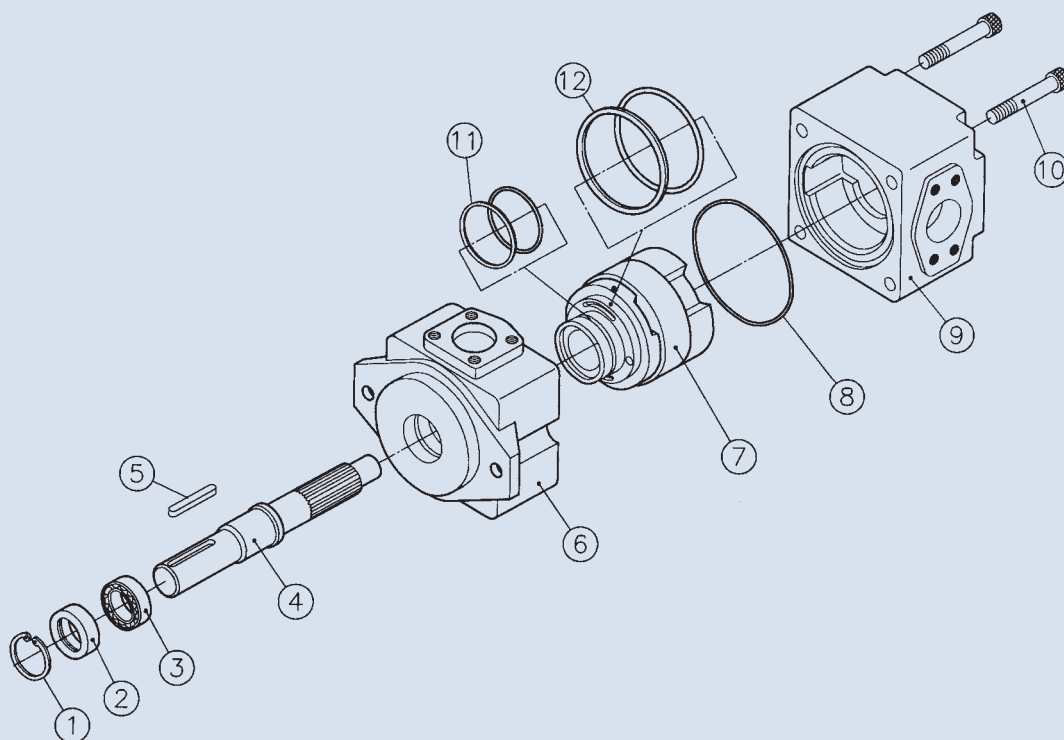
Parts list

Item No.	Description	VQ15	VQ25 (SVQ25)	VQ35 (SVQ35)	VQ45 (SVQ45)
1	Retainer Ring	R47	R52	R72	R85
2	Seal	22x47x7	30x52x11	(VQ35) 35x55x11 (SVQ35) 38x72x12	50x85x10
3	Bearing	6204	6205	6207	6209
4	Shaft				
5	Key				
6	Housing				
7	Cartridge Kit				
8	O-Ring	G85	G100	G135	G140
9	Cover				
10	Cap-Screw	M10x1.5x85	(VQ25) M12x1.75x110 (SVQ25) M12x1.75x120	M16x2.0x130	(VQ45) M16x2.0x160 (SVQ45) M20x2.5x160
11	O-ring & Endless Back-up Ring	P36	P46	65.5x3.5	G80
12	O-ring & Endless Back-up Ring	71.5x3.5	90.2x3.5	G115	G130

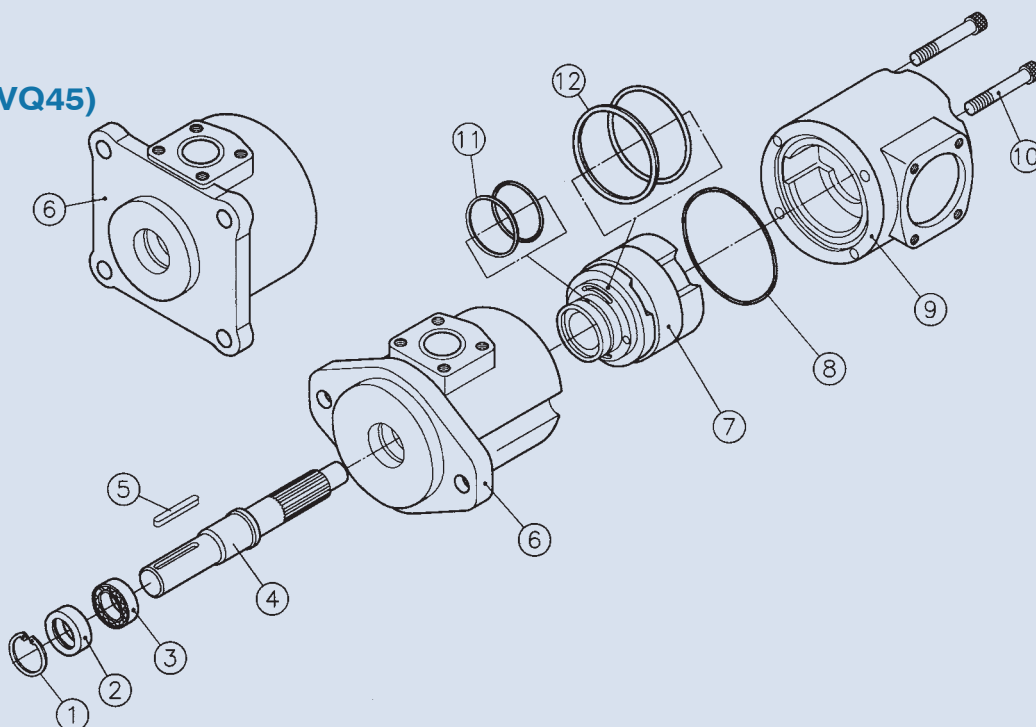
FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

Decomposition Chart

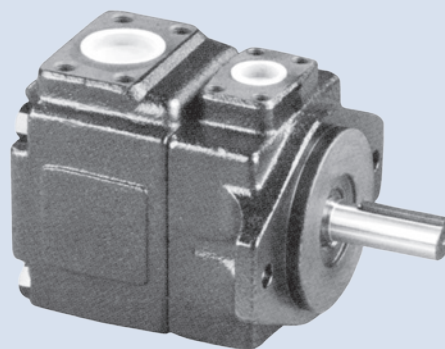
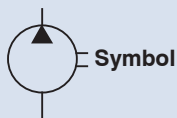
VQ15
VQ25
VQ35
VQ45



SVQ25
SVQ35
SVQ45 (DVQ45)



FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP



How to order

HVQ20, DVQ20 - 4 - F - R - A - A - 01

	1	2	3	4	5	6	7
1	Model						
2	Displacement cc/rev						
3	Mounting type F: Flange type L: Foot type						
4	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise						
5	Discharge port A: Upward (normal) B: Downward R: Right side L: Left side						
6	Suction port A: Upward (normal) B: Downward R: Right side L: left side						
7	Shaft type 01: Normal						

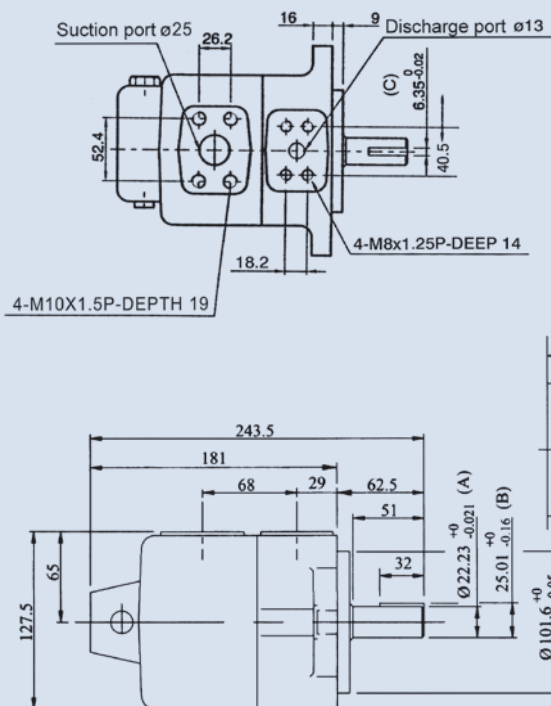
Specifications

Model	Displacement (cc/rev)	Max. Pressure (bar)		Running speed (rpm)		Weight (kg)	
		Cont.	Peak	Max.	Min.	Flange type	Foot type
HVQ20	4	420	480	3000	800	18.1	23.1
	6			2500			
	8			2300			
	11			1800			
	14	380	400	1800			
	17			1800			
	19			1800			
DVQ25	23	230	280	1800	800	18	23
	18			1800			
	22			1800			
	26			1800			
	32			1800			
	38			1800			
	43			1800			
	47			1800			
	52			1800			
	60			1800			
	65		250	1800			
	75			1600			

FIXED DISPLACEMENT HI-PRESSURE SINGLE VANE PUMP

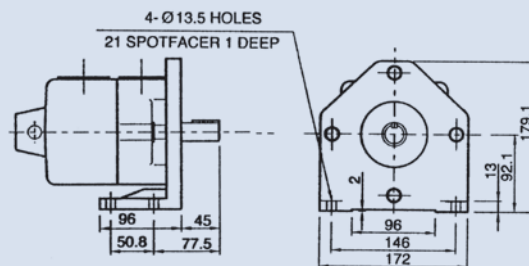
Dimensions

HVQ20



FOOT TYPE

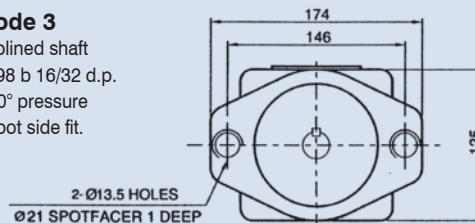
Unit:mm



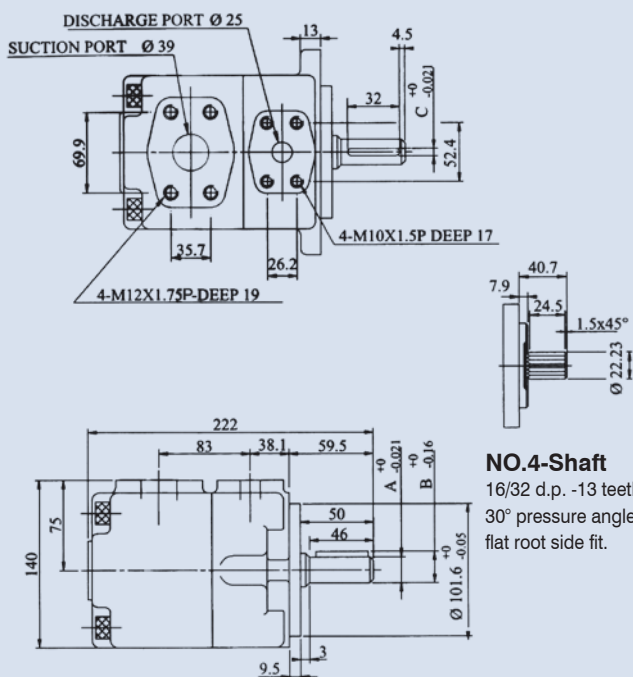
	A	B	C
NO.01-Shaft	$\varnothing 22.23$	25.01	6.35
NO.03-Shaft	Spline shaft		

Shaft Code 3

SAE B-B splined shaft
Class 1-J498 b 16/32 d.p.
-13 teeth 30° pressure
angle flat root side fit.



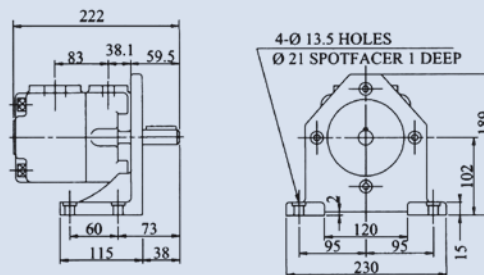
DVQ25



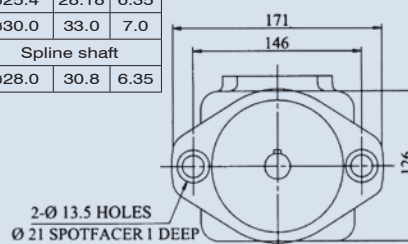
NO.4-Shaft
16/32 d.p. -13 teeth
30° pressure angle
flat root side fit.

FOOT TYPE

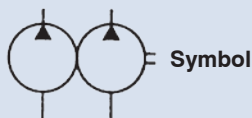
Unit:mm



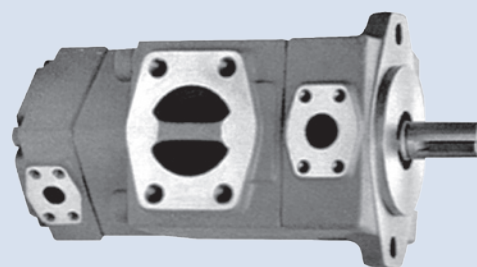
	A	B	C
NO.01-Shaft	$\varnothing 22.23$	24.5	6.35
NO.02-Shaft	$\varnothing 25.4$	28.18	6.35
NO.03-Shaft	$\varnothing 30.0$	33.0	7.0
NO.04-Shaft	Spline shaft		
NO.W-Shaft	$\varnothing 28.0$	30.8	6.35



FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP



Symbol



How to order

VQ215 - 18 - 6 - ✖ - R - A - A - ✖

1 2 3 4 5 6 7 8 9

1	Model
2	P1 Displacement cc/rev
3	P2 Displacement cc/rev
4	Mounting type F: Flange type (normal) L: Foot type
5	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise
6	P1: Discharge A: Upward (normal) B: Downward R: Right side L: Left side
7	Suction port A: Upward (normal) B: Downward R: Right side L: Left side
8	P2: Discharge port A: Upward (normal) B: Downward R: Right side L: Left side R1: Right upward 45° R2: Right downward 45° L1: Left upward 45° L2: Left downward 45°
9	Shaft type

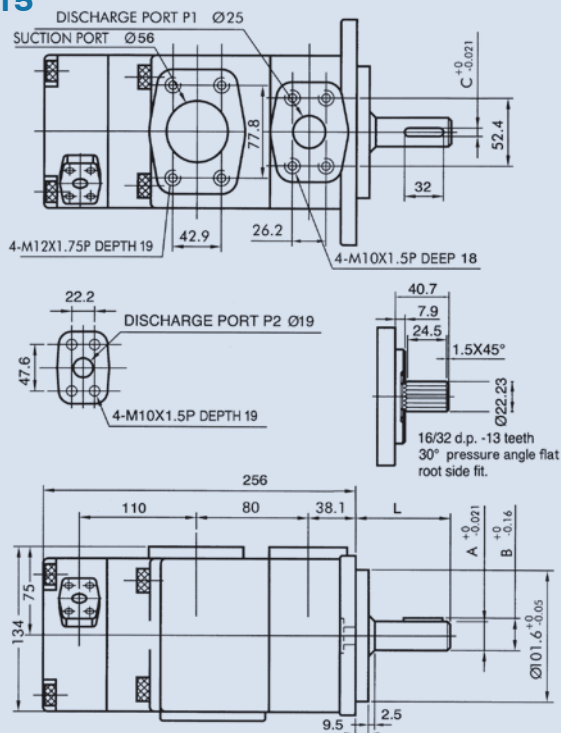
Specifications

Model	P1: Displacement (cc/rev)	P2: Displacement (cc/rev)	Max. Pressure (bar)	Weight (kg)	
				Flange Type	Foot Type
VQ215	18,22,26,32,38,43,47,52,60,65,75	6,8,11,14,17,19,23,26,31,38	245	24	29
SVQ215				32	40
VQ225	18,22,26,32,38,43,47,52,60,65,75	18,22,26,32,38,43,47,52,60,65,75		30.6	35.5
VQ315	60,66,76,82,88,94,108,116,125	6,8,11,14,17,19,23,26,31,38		48	55
SVQ315				44.4	52
VQ325	60,66,76,82,88,94,108,116,125	18,22,26,32,38,43,47,52,60,65,75		50	58
VQ425	136,156,189,200,216,237	18,22,26,32,38,43,47,52,60,65,75		63	71
SVQ425				80	111
DVQ425	136,156,189,200,216,237	60,66,76,82,88,94,108,116,125		73	104
VQ435				76	93
SVQ435				91	122
DVQ435				84	115

FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP

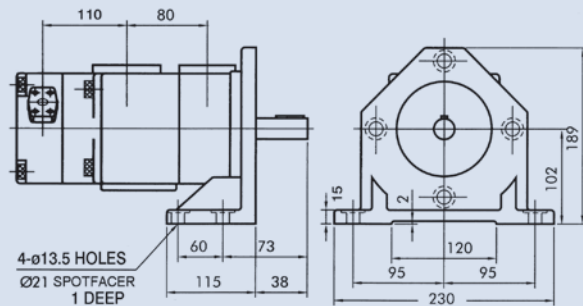
Dimensions

VQ215

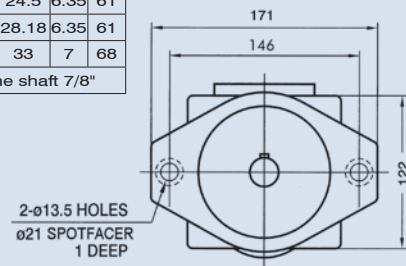


FOOT TYPE

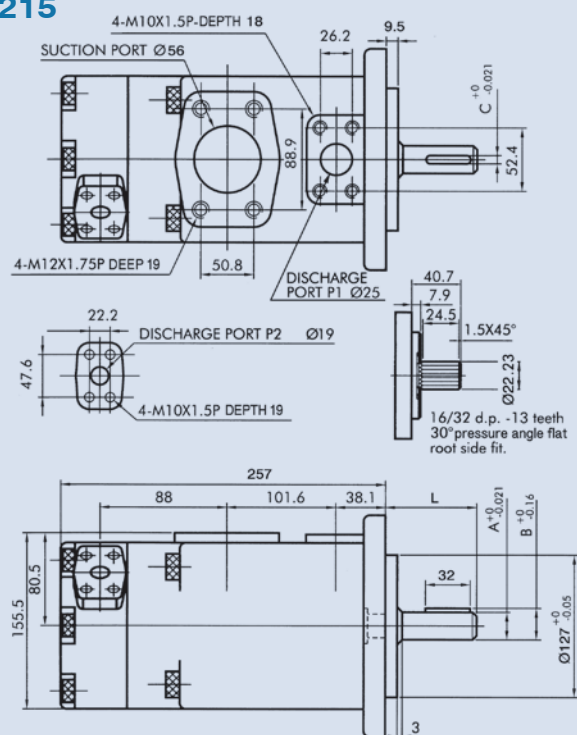
Unit:mm



	A	B	C	L
NO.01-Shaft	Ø22.23	24.5	6.35	61
NO.02-Shaft	Ø25.4	28.18	6.35	61
NO.03-Shaft	Ø30	33	7	68
NO.04-Shaft	Spline shaft 7/8"			

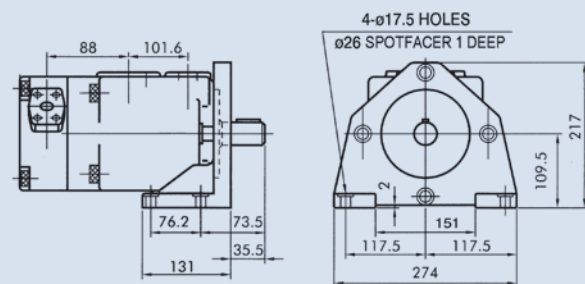


SVQ215

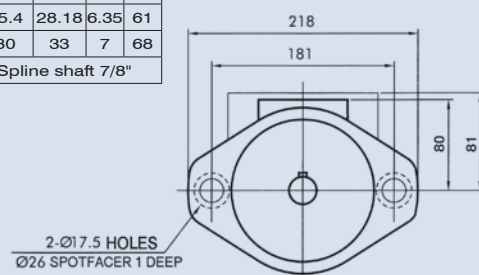


FOOT TYPE

Unit:mm



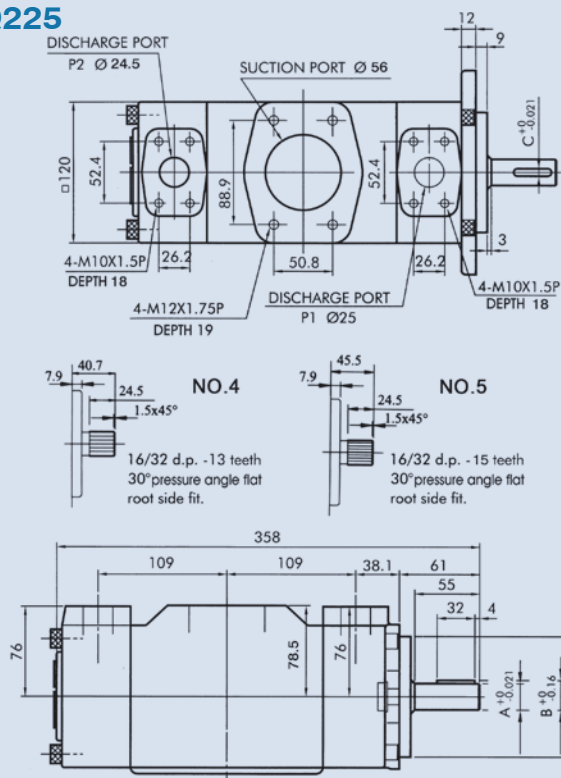
	A	B	C	L
NO.01-Shaft	Ø22.23	24.5	6.35	61
NO.02-Shaft	Ø25.4	28.18	6.35	61
NO.03-Shaft	Ø30	33	7	68
NO.04-Shaft	Spline shaft 7/8"			



FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP

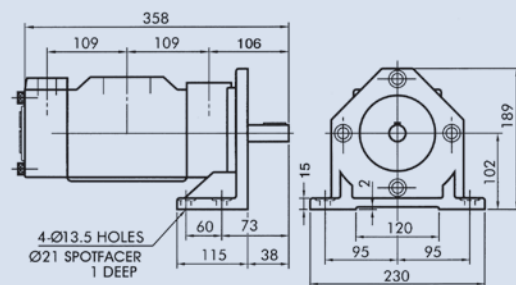
Dimensions

VQ225

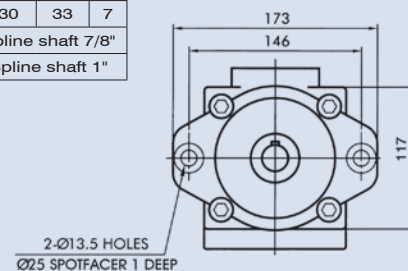


FOOT TYPE

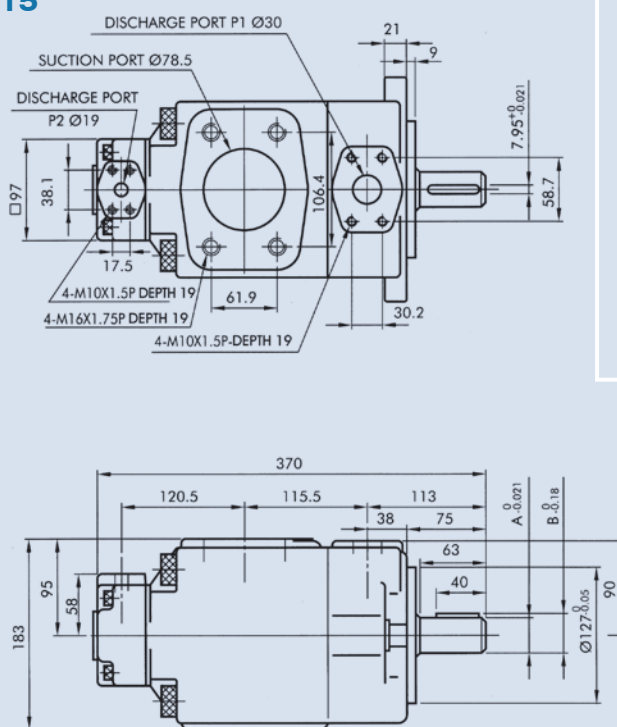
Unit:mm



	A	B	C
NO.01-Shaft	ø22.23	24.5	6.35
NO.02-Shaft	ø25.4	28.18	6.35
NO.03-Shaft	ø30	33	7
NO.04-Shaft	Spline shaft 7/8"		
NO.05-Shaft	Spline shaft 1"		

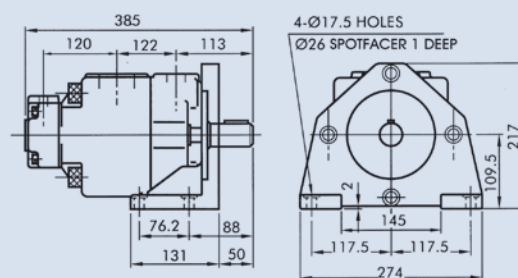


VQ315

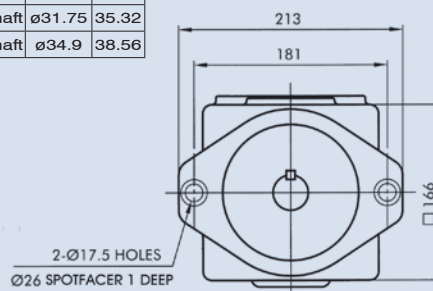


FOOT TYPE

Unit:mm



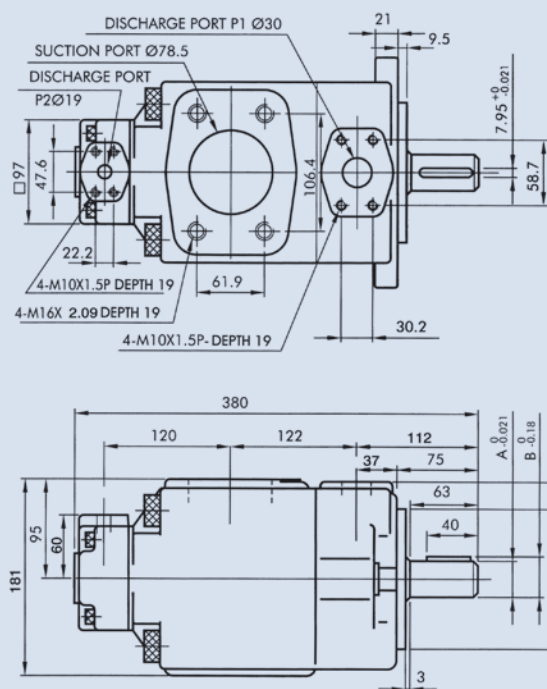
	A	B
NO.01-Shaft	ø31.75	35.32
NO.02-Shaft	ø34.9	38.56



FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP

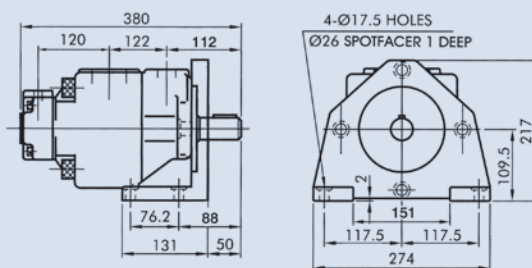
Dimensions

SVQ315

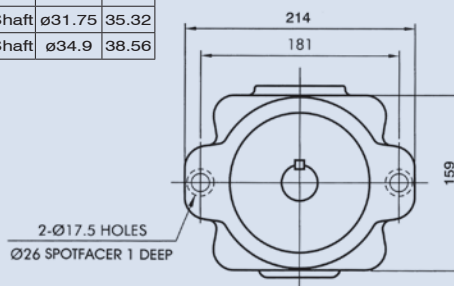


FOOT TYPE

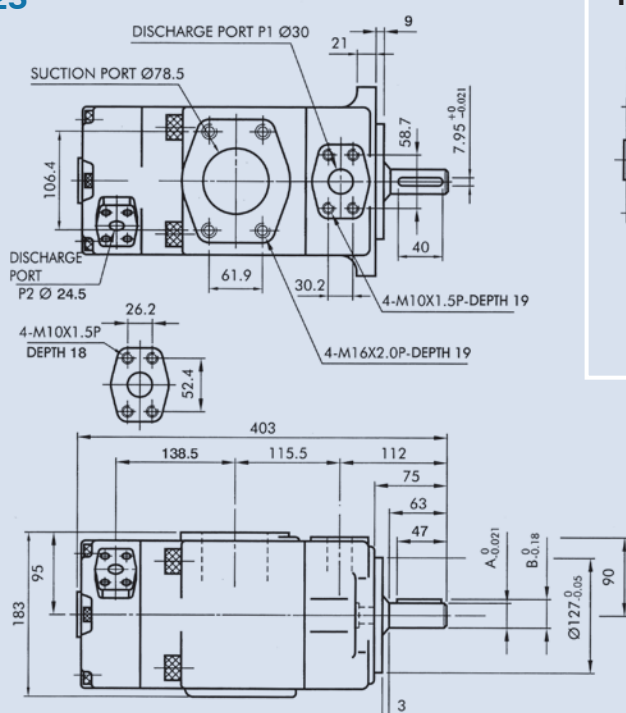
Unit:mm



	A	B
NO.01-Shaft	ø31.75	35.32
NO.02-Shaft	ø34.9	38.56

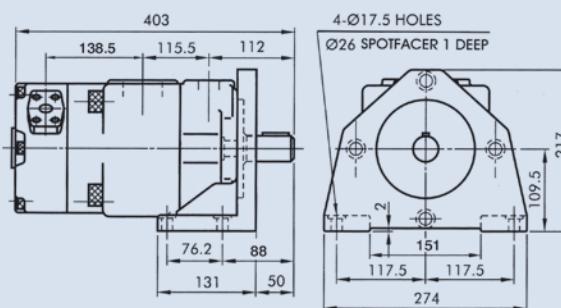


VQ325

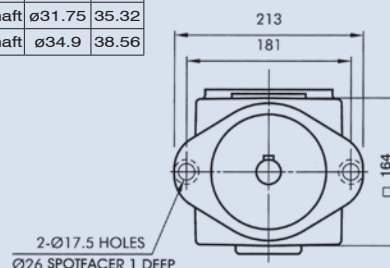


FOOT TYPE

Unit:mm



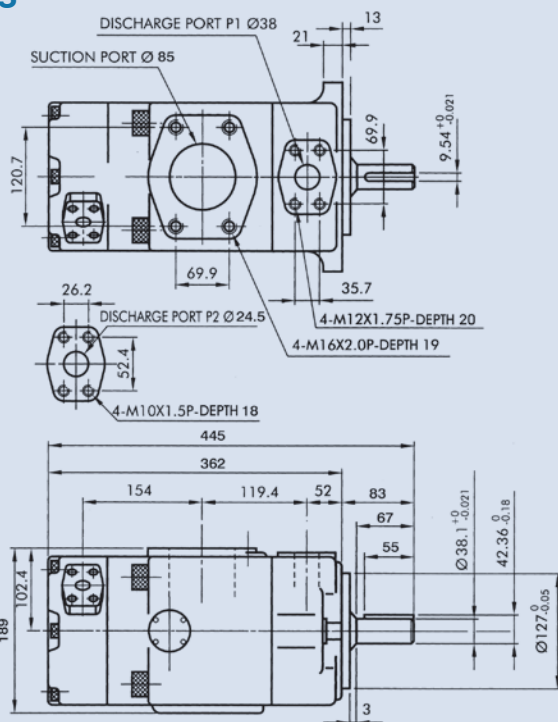
	A	B
NO.01-Shaft	ø31.75	35.32
NO.02-Shaft	ø34.9	38.56



FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP

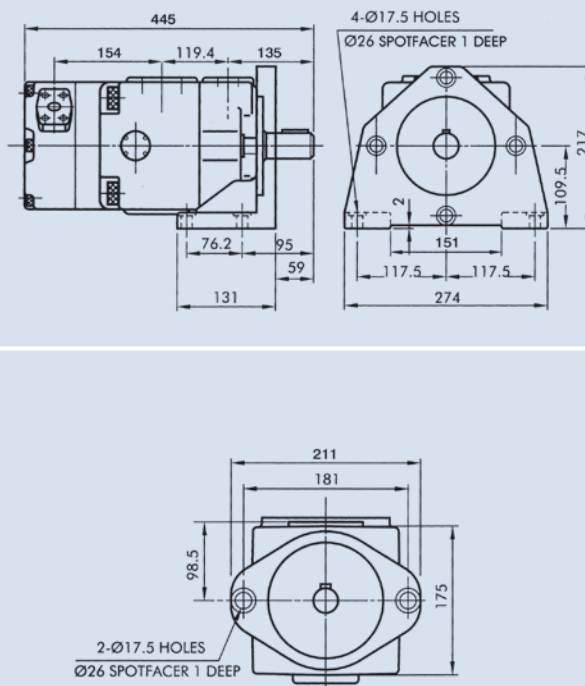
Dimensions

VQ425

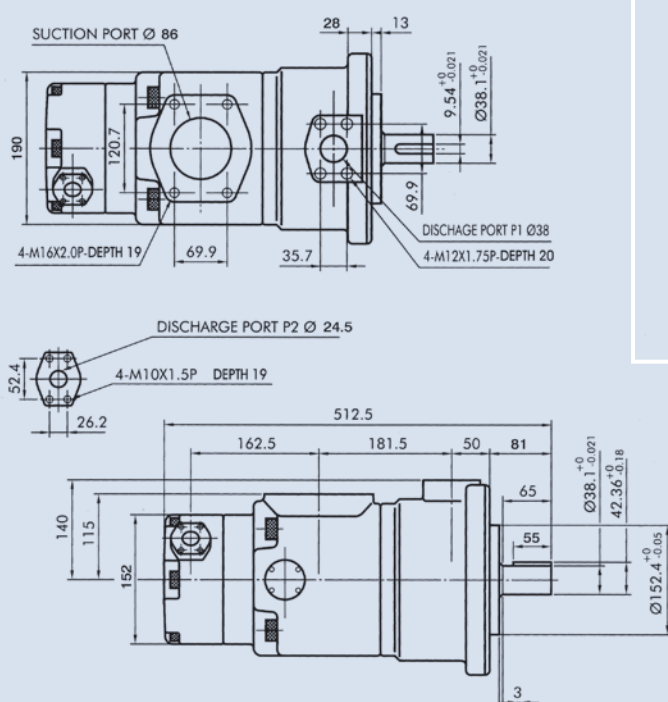


FOOT TYPE

Unit:mm

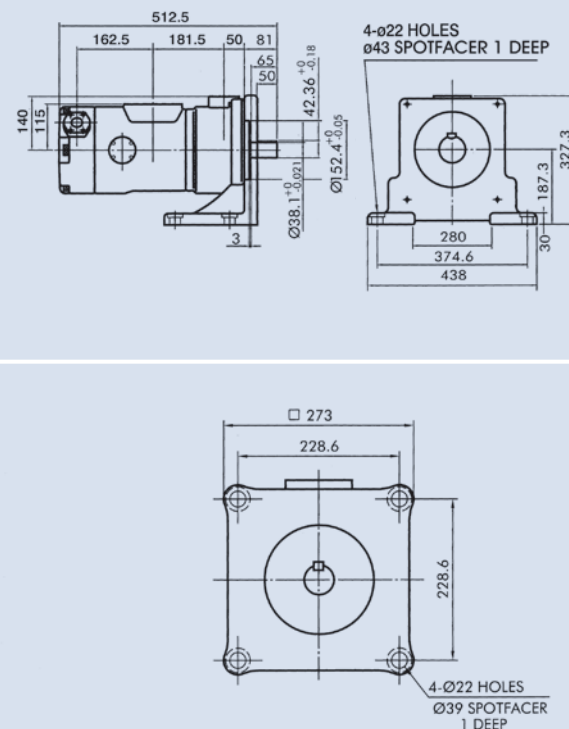


SVQ425



FOOT TYPE

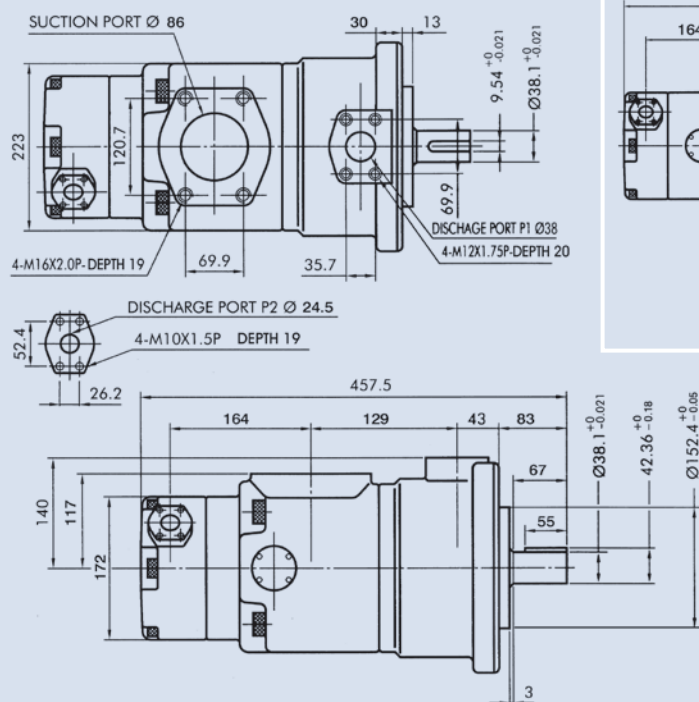
Unit:mm



FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP

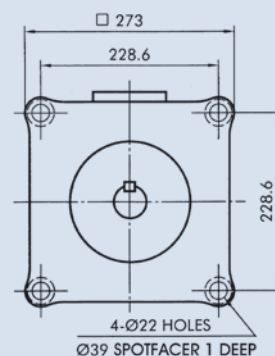
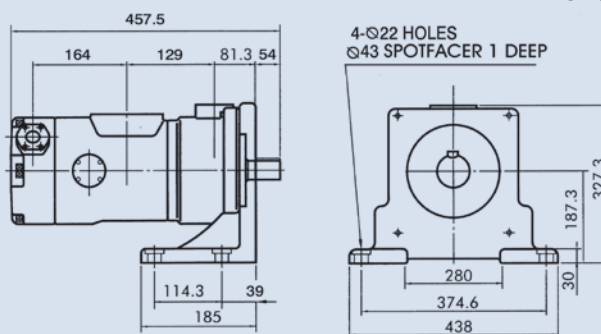
Dimensions

DVQ425

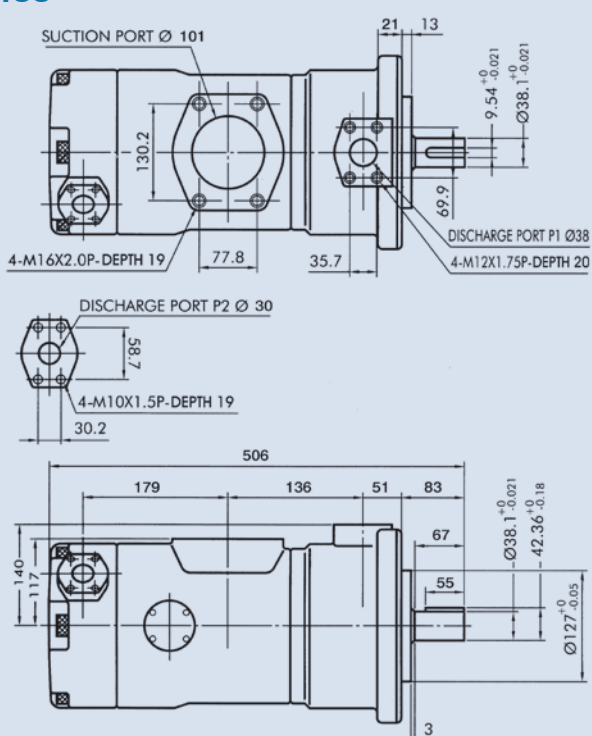


FOOT TYPE

Unit:mm

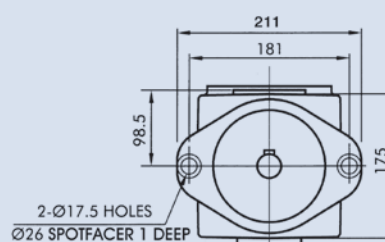
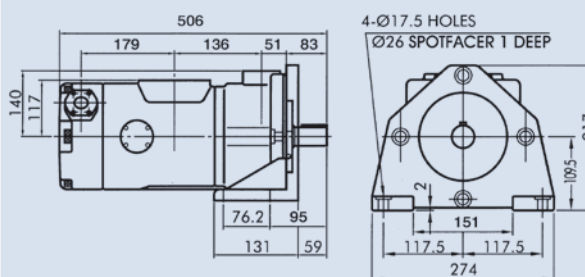


VQ435



FOOT TYPE

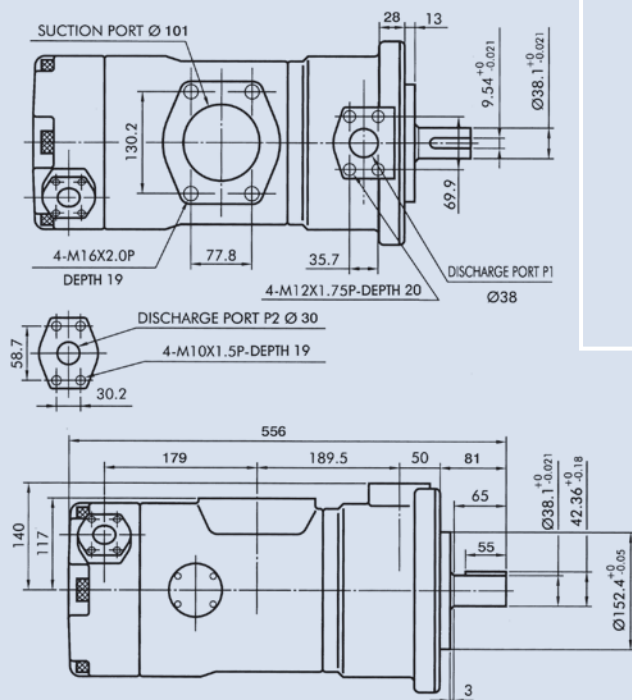
Unit:mm



FIXED DISPLACEMENT HI-PRESSURE DOUBLE VANE PUMP

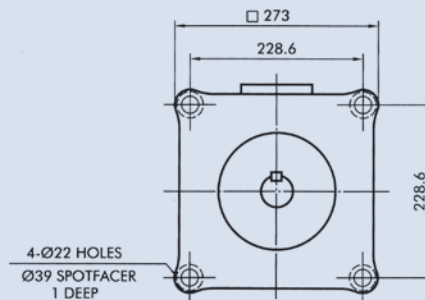
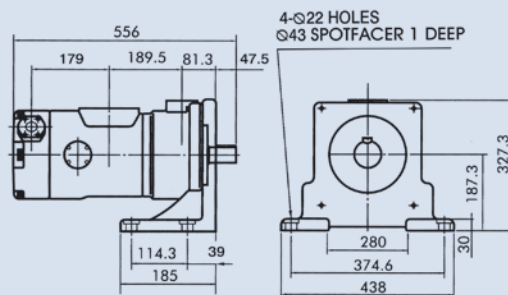
Dimensions

SVQ435

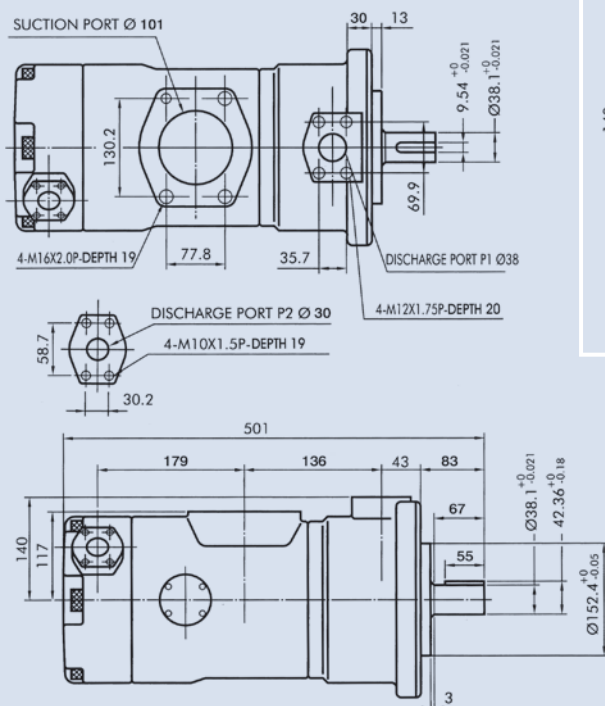


FOOT TYPE

Unit:mm

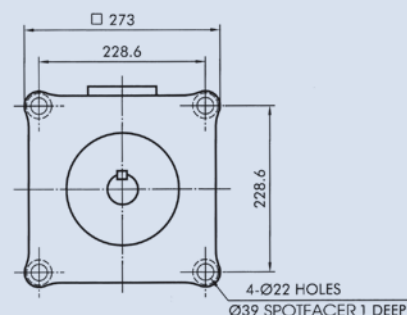
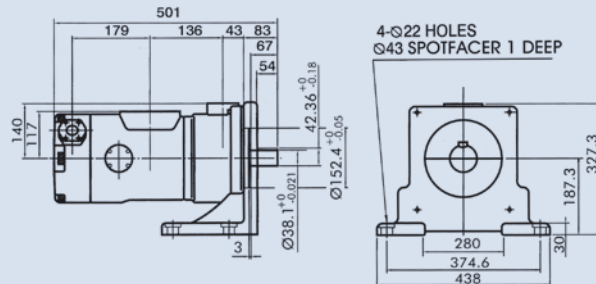


DVQ435

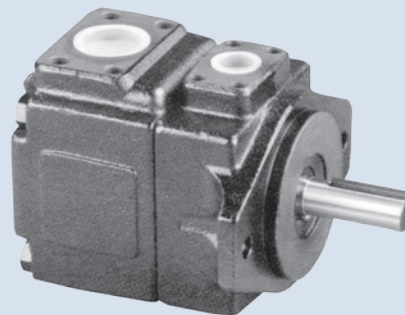
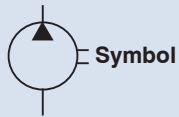


FOOT TYPE

Unit:mm

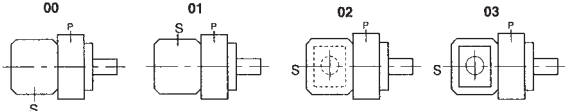


DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP



How to order

KT6C, KT6D, KT6E - 014 - 1 R 00 - B 1

	1	2	3	4	5	6	7
1	Model						
2	Cam ring						
3	Shaft type						
4	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise						
5	Porting combination		00=normal				P=Pressure port S=Suction port
6	Design letter						
7	Seal class		1=S1 (for mineral oil) 4=S4 (for fire resistant fluids) 5=S5 (for mineral oil and fire resistant fluids)				
	WEIGHT		KT6C: 15.7kg KT6D: 24kg KT6E: 43.3kg				

Specifications

Model	Series	Displacement (cc/rev)	Delivery (lpm) At 1500rpm			Input Power (kw) At 1500rpm			Running Speed (rpm)		MAX. Pressure (bar)
			p=0 bar	p=140 bar	p=240 bar	p=7 bar	p=140 bar	p=240 bar	Max.	Min.	
KT6C	003	10.8	16.2	11.2	7.7	1.3	5.3	8.4	2800	600	300
	005	17.2	27.0	21.0	18.0	1.4	7.5	12.2			
	006	21.3	31.9	26.9	23.4	1.5	8.9	14.7			
	008	26.4	39.6	34.6	31.1	1.6	10.7	17.7			
	010	34.1	51.1	46.1	42.6	1.7	13.4	22.3			
	012	37.1	55.6	50.6	47.1	1.7	14.4	24.1			
	014	46.0	69.0	64.0	60.5	1.9	17.6	29.5			
	017	58.3	87.4	82.4	78.9	2.1	21.9	36.9			
	020	63.8	95.7	90.7	87.2	2.2	23.82	40.2			
	022	70.3	105.4	100.4	96.9	2.3	26.1	44.1			
	025	79.3	118.9	113.9	110.4	2.5	29.2	49.5			
	028	88.8	133.2	128.2	125.8	2.8	32.7	48.5	2500		230
	031	100.0	150.0	145.0	142.6	2.8	36.5	54.4			

Port connection can be furnished with metric threads, normally UNC.

DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP

Specifications

Model	Series	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw) At 1500 rpm			Runing Speed (rpm)		Max. Pressure (bar)
			p=0 bar	p=140 bar	p=240 bar	p=7 bar	p=140 bar	p=240bar	Max.	Min.	
KT6D	014	47.6	71.4	62.1	55.9	2.3	18.5	30.6	2500	600	280
	017	58.2	87.3	78.0	71.8	2.5	22.2	37.0			
	020	66.0	99.0	89.7	83.5	2.8	24.9	41.7			
	024	79.5	119.3	110.0	103.8	3.0	29.6	49.8			
	028	89.7	134.5	125.2	119.0	3.2	33.2	55.9			
	031	98.3	147.4	138.1	131.9	3.3	36.2	61.0			
	035	111.0	166.5	157.2	151.0	3.5	40.7	68.7			
	038	120.3	180.4	171.1	164.9	3.7	43.9	74.3			
	042	136.0	204.0	194.7	188.5	4.0	49.4	83.7	2200	600	230
	045	145.7	218.2	209.2	203.0	4.1	52.8	89.5			
	050	158.0	237.0	227.7	224.0	4.4	57.0	85.0			
	061	190.5	285.7	278	-	4.6	60.6	-			140

Port connection can be furnished with metric threads, normally UNC.

Model	Series	Displacement (cc/rev)	Delivery (lpm) At 1500rpm			Input Power (kw)			Runing Speed (rpm)		Max. Pressure (bar)
			p=0 bar	p=140 bar	p=240 bar	p=7 bar	p=140 bar	p=240 bar	Max.	Min.	
KT6E	042	132.3	198.5	188.5	181.3	5.2	49.4	82.6	2300	600	280
	045	142.4	213.6	203.6	196.5	5.4	52.9	88.7			
	050	158.5	237.7	227.7	220.6	5.7	58.5	98.3			
	052	164.8	247.2	237.2	230.1	5.8	60.8	102.1			
	057	180.7	271.1	261.1	254	6.1	66.4	106.9			
	062	196.7	295.0	285.0	277.9	6.4	71.9	121.3			
	066	213.3	319.9	309.9	302.8	6.7	77.7	131.2			
	072	227.1	340.6	330.6	323.5	6.9	82.6	139.5			
	085	269.8	404.7	397.7	-	7.3	97.4	-	2000		120

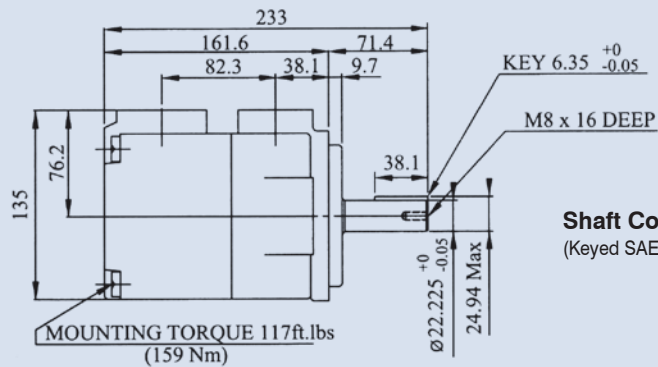
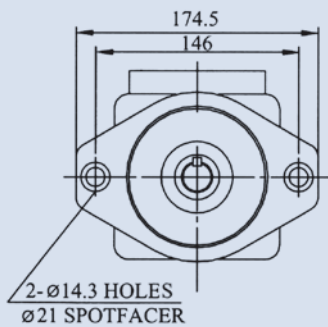
Port connection can be furnished with metric threads, normally UNC.

DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP

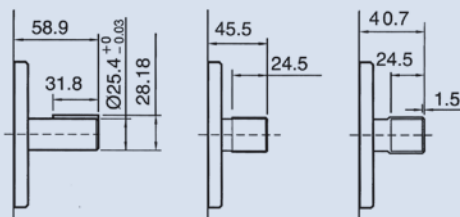
Dimensions

KT6C

Unit:mm



Shaft Code 1
(Keyed SAE B)



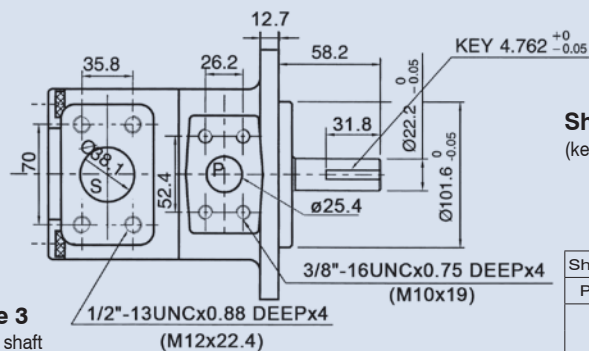
Shaft Code 5

Shaft Code 4

SAE BB splined shaft
Class 1-J498 16/32 d.p.
-15 teeth 30° pressure
angle flat root side fit.

Shaft Code 3

SAE B splined shaft
Class 1-J498 b 16/32 d.p.
-13 teeth 30° pressure
angle flat root side fit.

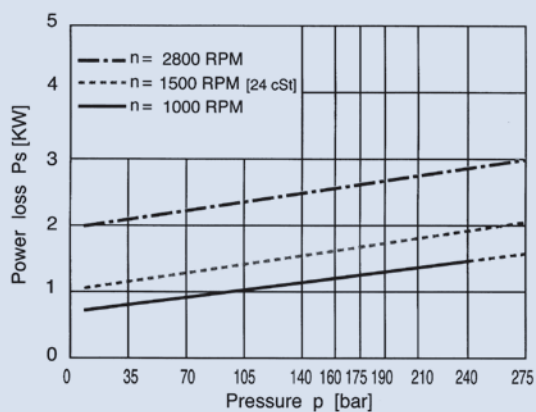


Shaft Code 2
(keyed no SAE)

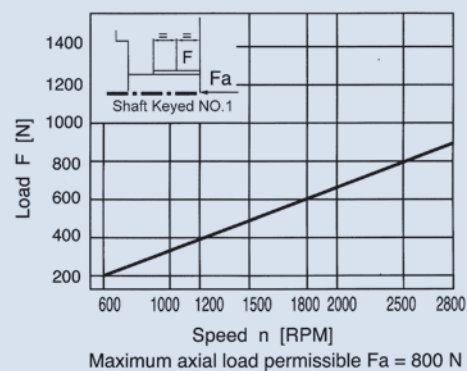
Shaft torque limits (cc/rev*bar)		
Pump	Shaft	Vp x P max.
KT6C	1	16500
	2	14300
	3	20600
	4	20600

Performance curves

KT6C Power loss hydromechanics (typical)



KT6C Permissible radial load

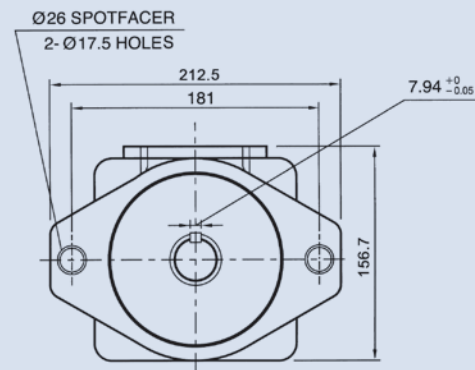


DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP

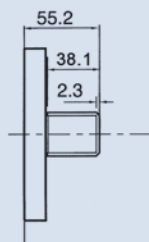
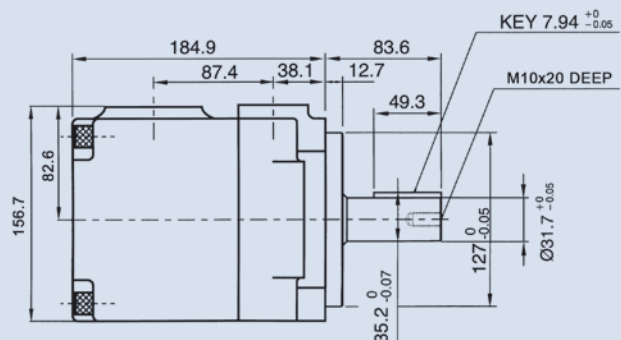
Dimensions

KT6D

Unit:mm

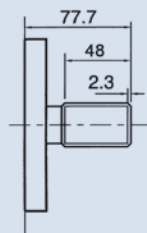


Shaft Code 1 (Keyed SAE C)



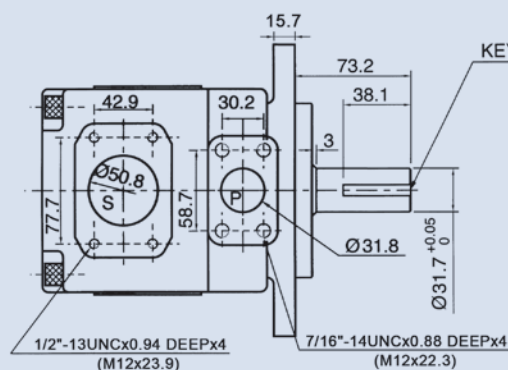
Shaft Code 3

SAE splined shaft Class 1-J498 b 12/24 d.p. -14 teeth 30° pressure angle flat root side fit.



Shaft Code 4

NO SAE splined shaft Class 1-J498 b 12/24 d.p. -14 teeth 30° pressure angle flat root side fit.

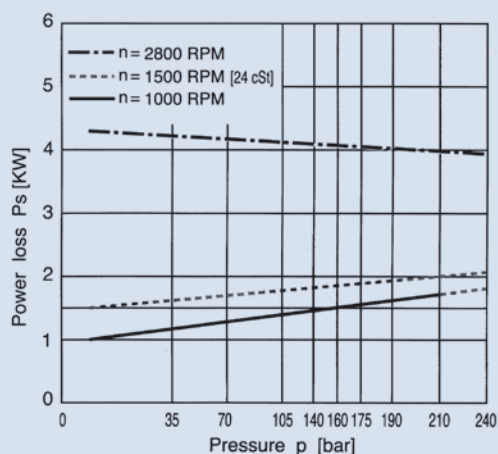


Shaft Code 2 (Keyed no SAE)

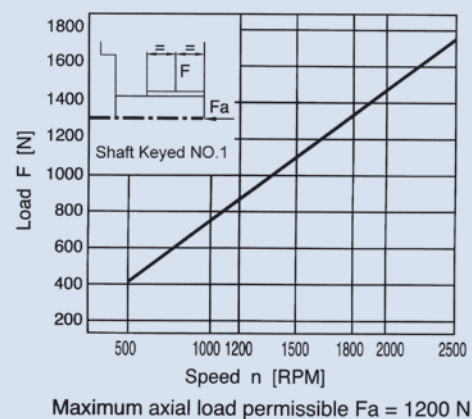
Shaft torque limits (cc/rev*bar)		
Pump	Shaft	Vp x P max.
KT6D	1	43283
	2	34590
	3	61200
	4	61200

Performance curves

KT6D Power loss hydromechanics (typical)



KT6D Permissible radial load



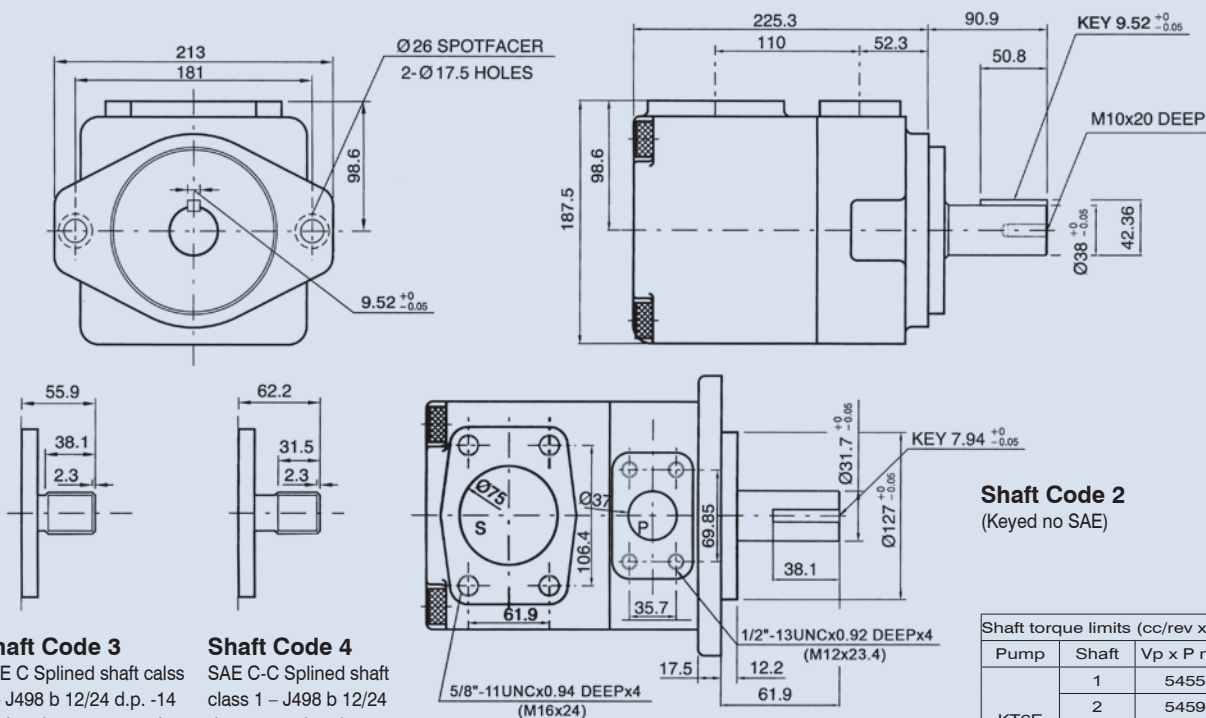
DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP

Dimensions

KT6E

Unit:mm

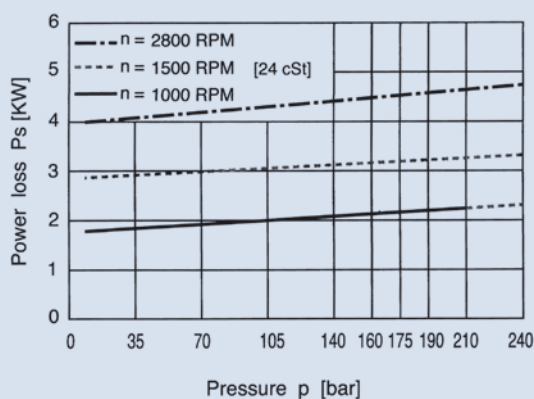
Shaft Code 1 (Keyed SAE C-C)



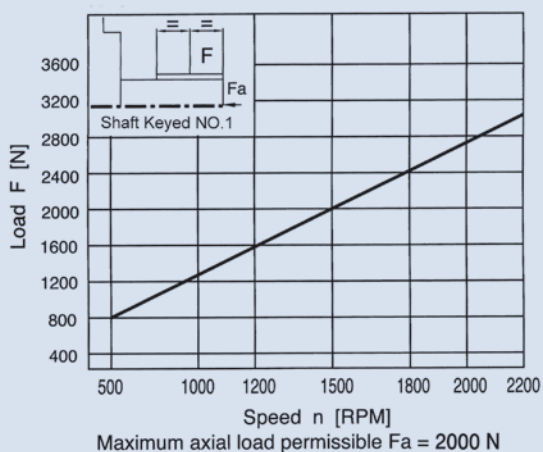
Shaft torque limits (cc/rev x bar)		
Pump	Shaft	Vp x P max.
KT6E	1	54555
	2	54590
	3	61200
	4	61200

Performance curves

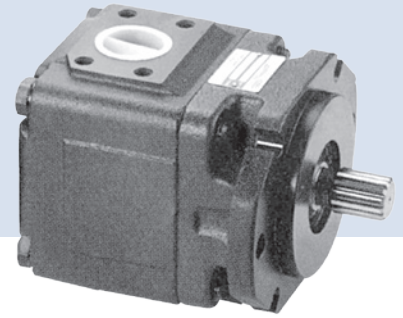
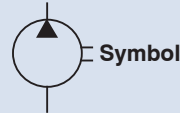
KT6E Power loss hydromechanics (typical)



KT6E Permissible radial load



DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP



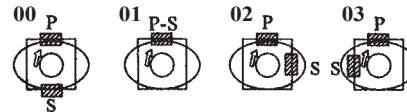
How to order

KT6DS - 014 - 1 R 00 - B 1

1 2 3 4 5 6 7

- 1 Model
- 2 Cam ring
- 3 Shaft type
- 4 Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise

- 5 Porting combination 00: Normal



S=Suction port
P=Pressure port

- 6 Design Letter

- 7 Seal class 1: S1 (for mineral oil) 4: S4 (for fire resistant fluids) 5: S5 (for mineral oil and fire resistant fluids)

Specifications

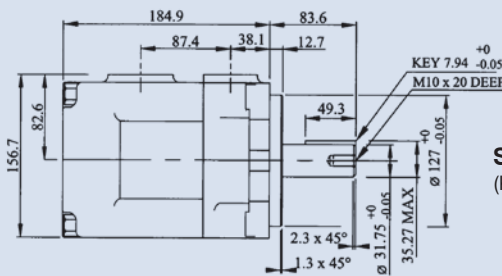
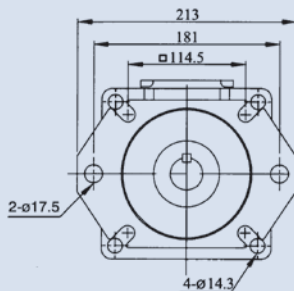
Model	Series	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw) At 1500 rpm			Max. Pressure (bar)	Runing Speed (rpm)		Weight (kg)
			p=0 bar	p=140 bar	p=240 bar	p=7 bar	p=140 bar	p=240 bar		Max.	Min.	
KT6DS	014	47.6	71.4	62.1	55.9	2.3	18.5	30.6	280	2800	600	29
	017	58.2	87.3	78.0	71.8	2.5	22.2	37				
	020	66.0	99.0	89.7	83.5	2.8	24.9	41.7				
	024	79.5	119.3	110.0	103.8	3.0	29.6	49.8				
	028	89.7	134.5	125.2	119.0	3.2	33.2	55.9				
	031	98.3	147.5	138.1	131.9	3.3	36.2	61.0				
	035	111.0	166.5	157.2	151.0	3.5	40.7	68.7				
	038	120.3	180.4	171.1	164.9	3.7	43.9	74.3				
	042	136.0	204.0	194.7	188.5	4.0	49.4	83.7				
	045	145.7	218.2	209.2	203.0	4.1	52.8	89.5				
	050	158.0	237.0	227.7	224.0	4.4	57	85.0	230	2500		
	061	190.5	285.7	278	-	4.6	60.6	-	140			

Port connection can be furnished with metric threads, normally UNC.

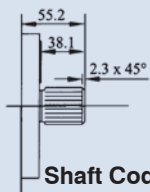
Dimensions

KT6DS

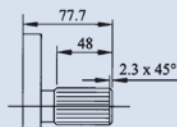
Unit:mm



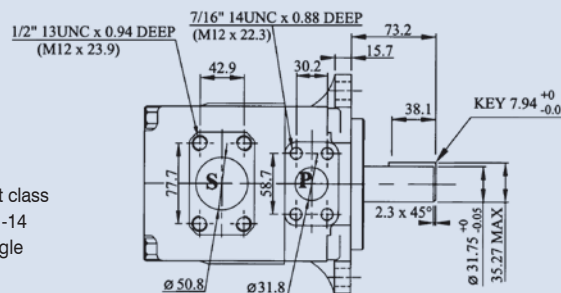
Shaft Code 1
(Keyed SAE C)



Shaft Code 3
SAE C Splined shaft class
1 - J498 b 12/24 d.p. -14
teeth 30° pressure angle
flat root side fit.



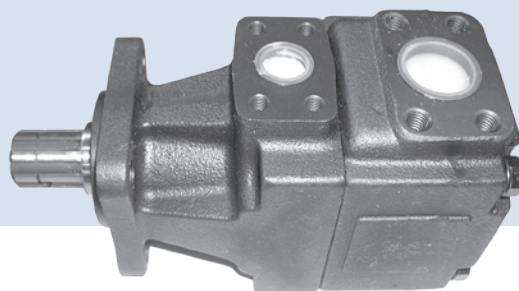
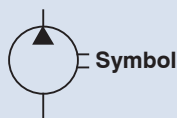
Shaft Code 4
NO SAE Splined shaft class
1 - J498 b 12/24 d.p. -14
teeth 30° pressure angle
flat root side fit.



Shaft Code 2
(Keyed no SAE)

Shaft torque limits (cc/rev x bar)			
Pump	Shaft	Vp x P max.	
KT6DS	1	43283	
	2	34590	
	3	61200	
	4	61200	

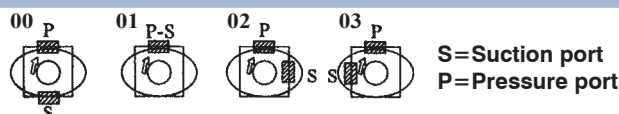
DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP



How to order

KT6GC - 022 - 6 R 00 - A 1 - 00 ✖

	1	2	3	4	5	6	7	8	9
1	Model								
2	Cam ring								
3	Shaft type 6: splined (DIN 5462)								
4	Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise								
5	Porting combination 00: Normal								
6	Design Letter								
7	Seal class 1: S1 (for mineral oil)								
8	Port size 00: Flange 1" BSPP 01: Flange 1" SAE 4 bolts (UNC) M1: Flange 1" SAE 4 bolts (METRIC)								
9	Modifications								

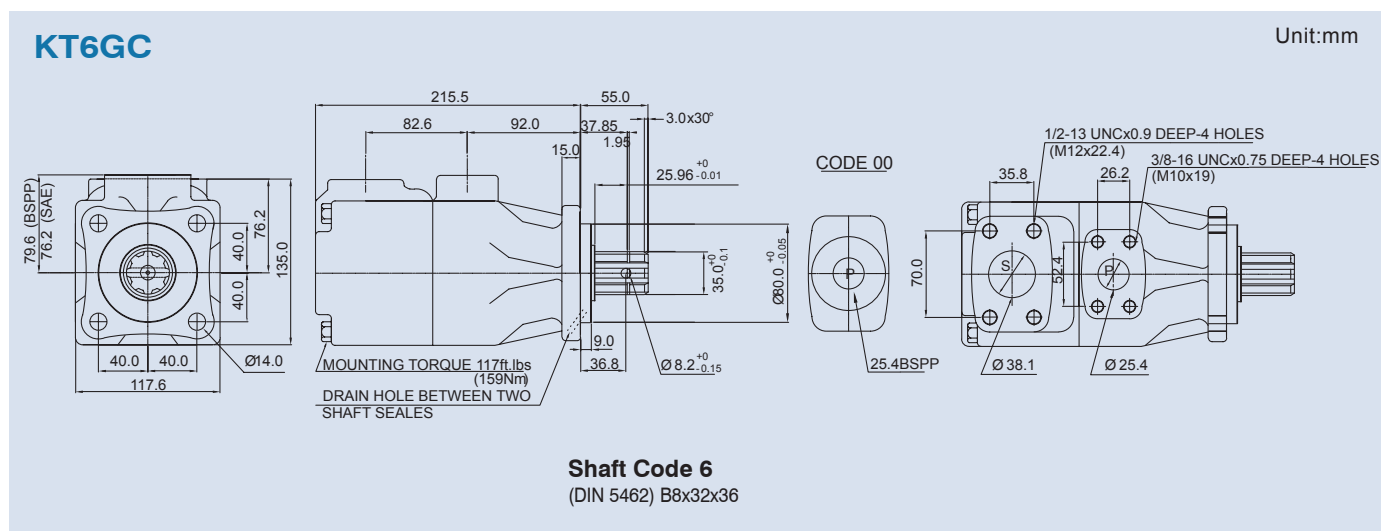


Specifications

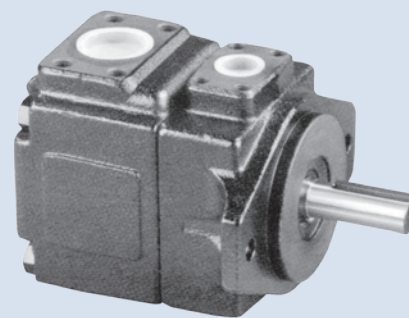
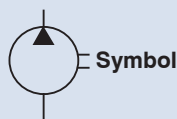
Model	Series	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw) At 1500 rpm			Max. Pressure (bar)	Runing Speed (rpm)		Weight (kg)
			p=0 bar	p=140 bar	p=240 bar	p=7 bar	p=140 bar	p=240 bar		Max.	Min.	
KT6GC	003	10.8	16.2	10.7		1.3	5.3		300	3000	600	17
	005	17.2	25.8	20.3	15.8	1.4	7.5	12.2				
	006	21.3	31.9	26.5	22.0	1.5	8.9	14.7				
	008	26.4	39.6	34.1	29.6	1.6	10.7	17.7				
	010	34.1	51.1	45.7	41.2	1.7	13.4	22.3				
	012	37.1	55.6	50.2	45.7	1.7	14.4	24.1				
	014	46.0	69.0	63.5	59.0	1.9	17.6	29.5				
	017	58.3	87.4	82.0	77.5	2.1	21.9	36.9				
	020	63.8	95.7	90.2	85.7	2.2	23.8	40.2				
	022	70.3	105.4	100.0	95.5	2.3	26.1	44.1				
	025	79.3	118.9	113.5	109.0	2.5	29.2	49.5				
	028	88.8	133.2	127.7	124.5	2.8	32.7	48.5	250	2800	400	
	031	100.0	150.0	144.5	141.3	2.8	36.5	54.2				

Not to use because internal leakage greater than 50% theoretical flow.

Dimensions



DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP



How to order

KT7B, KT7BS - 010 - 1 R 00 - A 1 - 00

1 2 3 4 5 6 7 8

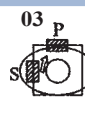
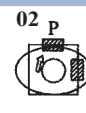
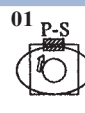
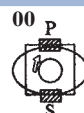
1 Model KT7B series-100 A2 HW ISO 2 bolts 3019-2 mounting flange KT7BS series-SAE B 2 bolts Mounting flange J744

2 Cam ring

3 Shaft type KT7B-KT7BS 2-Keyed (ISO R775), KT7BS 1-Keyed (SAE B), 3-Splined (SAE B), 4-Splined (SAE BB)

4 Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise

5 Porting combination 00: Normal



S=Suction port
P=Pressure port

6 Design Letter

7 Seal class 1: S1 (for mineral oil) 4: S4 (for fire resistant fluids) 5: S5 (for mineral oil and fire resistant fluids)

8 Port size 4 bolts SAE flange (J518C)

PORT	UNC KT7BS		Metric KT7B-KT7BS	
	00	01	M0	M1
P	1"	3/4"	1"	3/4"
S	1 1/2"			

Specifications

Model	Series	Displacement (cc/rev)	Delivery (lpm) At 1800 rpm			Input Power (kw) At 1800 rpm			Max. Pressure (bar)	Max. Speed (rpm)	Weight (kg)
			p=0 bar	p=140 bar	p=320 bar	p=7 bar	p=140 bar	p=240 bar			
KT7B KT7BS	002	5.7	10.4	8.8	6.5	0.55	2.99	6.40	320	3600	15.7
	003	9.8	17.6	15.9	13.7	0.63	4.65	10.25			
	004	12.8	23.0	21.4	19.2	0.70	5.89	13.13			
	005	15.9	28.6	26.9	24.7	0.76	7.17	16.12			
	006	19.8	35.6	33.9	31.7	0.84	8.79	19.88			
	007	22.5	40.4	38.8	36.5	0.89	9.91	22.47			
	008	24.9	44.7	43.1	40.9	0.94	10.9	24.78			
	009	28.0	50.3	48.6	46.4	1.01	12.19	27.77			
	010	31.8	57.2	55.5	53.4	1.11	13.75	31.42			
	011	34.9	62.9	61.2	59.0 1)	1.15	15.04	32.22 1)			
	012	40.9	73.7	72.1	70.1 1)	1.28	17.56	37.71 1)			
	014	45.1	80.8	79.2	77.0 1)	1.36	19.23	41.37 1)			
	015	50.0	89.8	88.3	86.5 2)	1.47	21.28	42.76 2)			

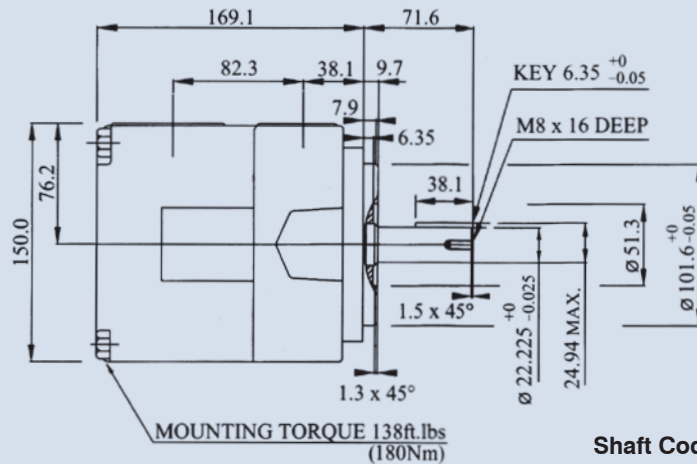
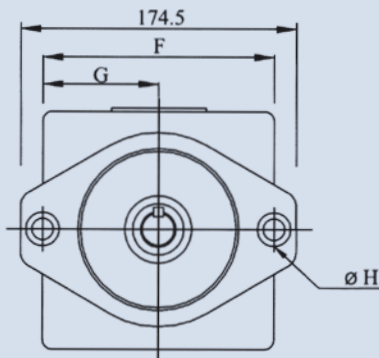
1)011, 012, 014: 300 bar Max. int 2)015: 280 bar Max. int

DOUBLE LIPS AND PISTON TYPE SINGLE VANE PUMP

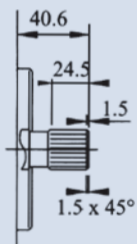
Dimensions

Unit:mm

KT7BS

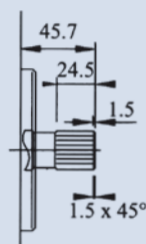


KT7B



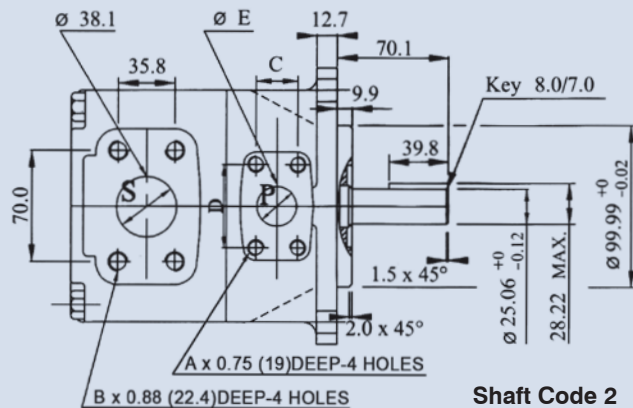
Shaft Code 3

SAE B Splined shaft class 1 - J498 b 16/32 d.p. -13 teeth 30° pressure angle flat root side fit.



Shaft Code 4

SAE BB Splined shaft class 1 - J498 b 16/32 d.p. -15 teeth 30° pressure angle flat root side fit.



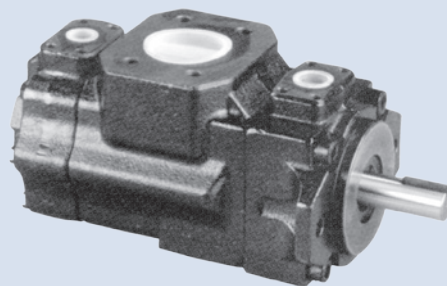
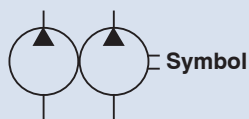
Shaft Code 1 (Keyed SAE B)

Shaft Code 2 (Keyed ISO R775)

	KT7BS		KT7B	
	00	01	M0	M1
A	3/8-16 UNC		M10	
B	1/2-13 UNC		M12	
C	1.03 (26.2)	0.874 (22.2)	1.03 (26.2)	0.874 (22.2)
D	2.06 (52.4)	1.874 (47.6)	2.06 (52.4)	1.874 (47.6)
ØE	1.00 (25.4)	0.75 (19.05)	1.00 (25.4)	0.75 (19.05)
F	5.75 (146.0)		5.51 (140.0)	
G	2.87 (73.0)		2.75 (70.0)	
ØH	0.56 (14.3)		0.55 (14.0)	

Shaft torque limits (cc/rev x bar)		
Pump	Shaft	Vp x P max.
KT7B	1	16516
	2	20620
	3	20620
	4	20620

DOUBLE LIPS AND PISTON TYPE DOUBLE VANE PUMP



How to order

KT6CC - W - 002 - 008 - 1 R 00 C - 1 00

1 2 P1 P2 4 5 6 7 8 9

1 Model KT6CC (KT6C+6C) KT6DC (KT6D+6C) KT6EC (KT6E+6C) KT6ED (KT6E+6D)

2 W: Use for severe duty shaft only KT6CC-W: Code 2, S KT6DC-W: Code 5

3 Cam ring for P1 & P2

4 Shaft type

5 Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise

6 Porting combination 00: Normal

7 Design letter

8 Seal class 1: S1 (for mineral oil) 4: S4 (for fire resistant fluids) 5: S5 (for mineral oil and fire resistant fluids)

Weight KT6CC: 26kg KT6DC: 36.6kg KT6EC: 55kg KT6ED: 66kg

9 Mounting W/connection variables

Code	KT6CC			P1 = 1", S=3"			P1 = 1", S=2 1/2" ²⁾		
	P2			1"			3/4" ¹⁾		
	Unc			00			01		
	Metric			OM			W0		

1) for 46 cc/rev. max.
2) for 126 cc/rev. max.

P2	UNC		Metric	
	00	01	M0	M1
	1"	3/4"	1"	3/4"

Specifications

Model	Pressure Port	Series	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw)		
				P=0 bar	P=140 bar	P=240 bar	P=7 bar	P=140 bar	P=240 bar
KT6CC	P1 & P2	003	10.8	16.2	10.7		1.3	5.3	
		005	17.2	25.8	20.8	17.3	1.4	7.5	12.2
		006	21.3	31.9	26.9	23.4	1.5	8.9	14.7
		008	26.4	39.6	34.6	31.1	1.6	10.7	17.7
		010	34.1	51.1	46.1	42.6	1.7	13.4	22.3
		012	37.1	55.6	50.6	47.1	1.7	14.4	24.1
		014	46.0	69.0	64.0	60.5	1.9	17.6	29.5
		017	58.3	87.4	82.4	78.9	2.1	21.9	36.9
		020	63.8	95.7	90.7	87.2	2.2	23.8	40.2
		022	70.3	105.4	100.4	96.9	2.3	26.1	44.1
		025*	79.3	118.9	113.9	110.4	2.5	29.2	49.5
		028*	88.8	133.2	128.2	125.8**	2.8	32.7	48.5**
		031*	100.0	150.0	145.0	142.6**	2.8	36.5	54.4**

*025-028-031=2500 R.P.M. max. **028-031=210 bar max.int. Port connection can be furnished with metric threads, normally UNC.

DOUBLE LIPS AND PISTON TYPE DOUBLE VANE PUMP

Specifications

Model	Pressure Port	Series	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw)		
				P=0 bar	P=140 bar	P=240 bar	P=7 bar	P=140 bar	P=240 bar
K6DC	P1	014	47.6	71.4	62.1	55.9	2.3	18.5	30.6
		017	58.2	87.3	78.0	71.8	2.5	22.2	37.0
		020	66.0	99.0	89.7	83.5	2.8	24.9	41.7
		024	79.5	119.3	110.0	103.8	3.0	29.6	49.8
		028	89.7	134.5	125.2	119.0	3.2	33.2	55.9
		031	98.3	147.4	138.1	131.9	3.3	36.2	61.0
		035	111.0	166.5	157.2	151.0	3.5	40.7	68.7
		038	120.3	180.4	171.1	164.9	3.7	43.9	74.3
		042*	136.0	204.0	194.7	188.5	4.0	49.4	83.7
		045*	145.7	218.5	209.2	203.0	4.1	52.8	89.5
	P2	050*	158.0	237.0	227.7	224.0*	4.4	57.0	85.0*
		061*	190.5	285.7	278*	—	4.6	60.6*	—
		005	17.2	25.8	20.8	17.3	1.4	7.5	12.2
		006	21.3	31.9	26.9	23.4	1.5	8.9	14.7
		008	26.4	39.6	34.6	31.1	1.6	10.7	17.7
		010	34.1	51.1	46.1	42.6	1.7	13.4	22.3
		012	37.1	55.6	50.6	47.1	1.7	14.4	24.1
		014	46.0	69.0	64.0	60.5	1.9	17.6	29.5
		017	58.3	87.4	82.4	78.9	2.1	21.9	36.9
		020	63.8	95.7	90.7	87.2	2.2	23.8	40.2
KT6EC	P1	022	70.3	105.4	100.4	96.9	2.3	26.1	44.1
		025	79.3	118.9	113.9	110.4	2.5	29.2	49.5
		028*	88.8	133.2	128.2	125.8*	2.8	32.7	48.5*
		031*	100.0	150.0	145.0	142.6*	2.8	36.5	54.4*
		042	132.3	198.5	188.5	181.3	5.2	49.4	82.6
		045	142.4	213.6	203.6	196.5	5.4	52.9	88.7
		050	158.5	237.7	227.7	220.6	5.7	58.5	98.3
		052	164.8	247.2	237.2	230.1	5.8	60.8	102.1
		057	180.7	271.1	261.1	254	6.1	66.4	106.9
		062	196.7	295.0	285.0	277.9	6.4	71.9	121.3
	P2	066	213.3	319.9	309.9	302.8	6.7	77.7	131.2
		072	227.1	340.6	330.6	323.5	6.9	82.6	139.5
		085*	269.8	404.7	397.7*	—	7.3	97.4*	—
		005	17.2	25.8	20.8	17.3	1.4	7.5	12.2
		006	21.3	31.9	26.9	23.4	1.5	8.9	14.7
		008	26.4	39.6	34.6	31.1	1.8	10.7	17.7
		010	34.1	51.1	46.1	42.6	1.7	13.4	22.3
		012	37.1	55.6	50.6	47.1	1.7	14.4	24.1
		014	46.0	69.0	64.0	60.5	1.9	17.6	29.5
		017	58.3	87.4	82.4	78.9	2.1	21.9	36.9
		020	63.8	95.7	90.7	87.2	2.2	23.8	40.2
		022	70.3	105.4	100.4	96.9	2.3	26.1	44.1
		025	79.3	118.9	113.9	110.4	2.5	29.2	49.5
		028*	88.8	133.2	128.2	125.8*	2.8	32.7	48.5*
		031*	100.0	150.0	145.0	142.6*	2.8	36.5	54.4*

For K6DC *042~061=2200 rpm max. 028, 031, 050=230 bar. 061=140 bar max int.

For K6EC *085=2000 rpm max. 028, 031=230 bar. 085=120 bar max int.

Port connection can be furnished with metric threads, normally UNC.

DOUBLE LIPS AND PISTON TYPE DOUBLE VANE PUMP

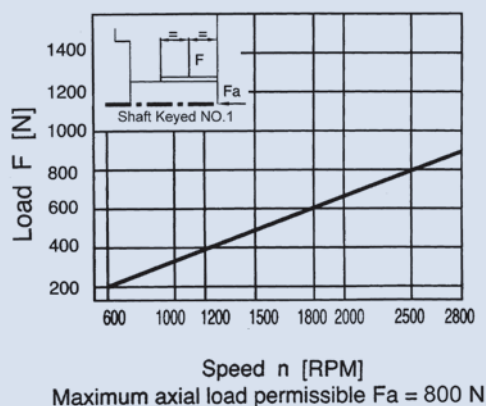
Specifications

Model	Pressure Port	Series	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw)		
				P=0 bar	P=140 bar	P=240 bar	P=7 bar	P=140 bar	P=240 bar
KT6ED	P1	042	132.3	198.5	188.5	181.3	5.2	49.4	82.6
		045	142.4	213.6	203.6	196.5	5.4	52.9	88.7
		050	158.5	237.7	227.7	220.6	5.7	58.5	98.3
		052	164.8	247.2	237.2	230.1	5.8	60.8	102.1
		057	180.7	271.1	261.1	254	6.1	66.4	106.9
		062	196.7	295.0	285.0	277.9	6.4	71.9	121.3
		066	213.3	319.9	309.9	302.8	6.7	77.7	131.2
		072	227.1	340.6	330.6	323.5	6.9	82.6	139.5
	P2	085	269.8	404.7	397.7	—	7.3	97.4	—
		014	47.6	71.4	62.1	55.9	2.3	18.5	30.6
		017	58.2	87.3	78	71.8	2.5	22.2	37
		020	66.0	99.0	89.7	83.5	2.8	24.9	41.7
		024	79.5	119.3	110.0	103.8	3.0	29.6	49.8
		028	89.7	134.5	125.2	119.0	3.2	33.2	55.9
		031	98.3	147.5	138.1	131.9	3.3	36.2	61.0
		035	111.0	166.5	157.2	151.0	3.5	40.7	68.7
		038	120.3	180.4	171.1	164.9	3.7	43.9	74.3
		042*	136.0	204.0	194.7	188.5	4.0	49.4	83.7
		045*	145.7	218.5	209.2	203.0	4.1	52.8	89.5
		050*	158.0	237.0	227.7	224.0*	4.4	57.0	85.0*
		061*	190.5	285.7	278	—	4.6	60.6	—

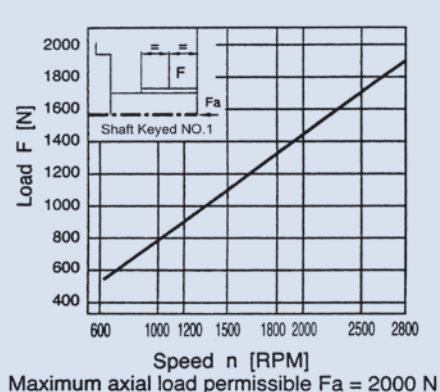
*042~061=2200 rpm max. 050=230 bar, 061=140 bar max. int. Port connection can be furnished with metric threads, normally UNC.

Permissible radial load

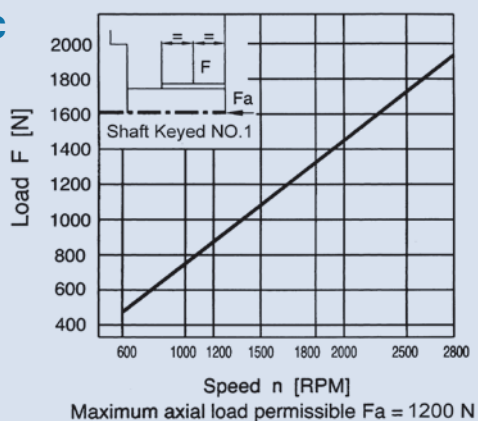
KT6CC



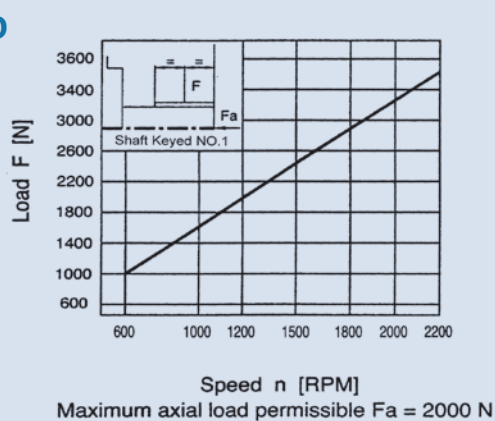
KT6EC



KT6DC

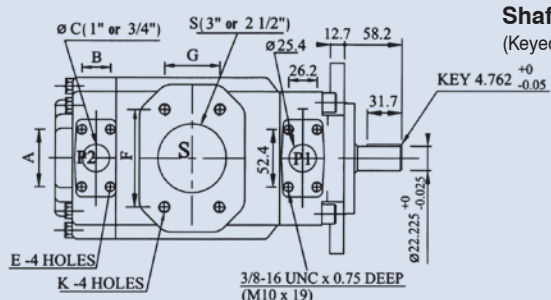


KT6ED




Dimensions

Technical drawing of a hexagonal flange. The drawing shows a hexagonal shape with a central circular hole and six smaller circular holes arranged in a circle. The dimensions are: 174.5 (overall width), 146 (width between opposite holes), 73 (radius from center to outer edge), 76.2 (height), and 2-ø 14.3 HOLES (two holes with diameter 14.3).



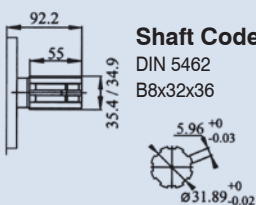
Unit:mm



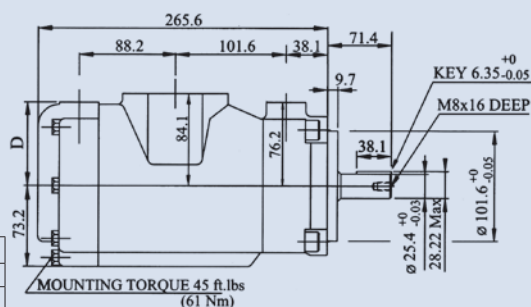
Shaft Code 3

SAE BB Splined shaft
 calss 1 - J498 b 16/32
 d.p. -15 teeth 30°
 pressure angle flat
 root side fit

Shaft Code 5
SAE B Splined shaft
class 1 – J498 b
16/32 d.p. -13 teeth
30° pressure angle
flat root side fit



Shaft Code S
DIN 5462
B8x32x36



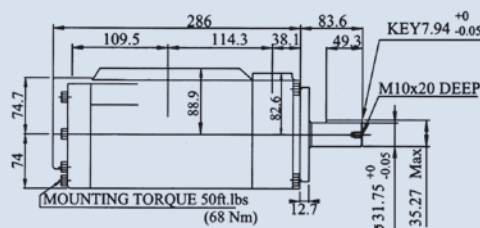
Alternate Port								
	S = 3"				S = 2 1/2"			
F	106.4				88.9			
G	61.9				50.8			
øH	76.2				63.5			
Code	00	01	0M	W0	10	11	1M	W1
A	52.4	47.6	52.4	47.6	52.4	47.6	52.4	47.6
B	26.2	22.2	26.2	22.2	26.2	22.2	26.2	22.2
øC	25.4	19.0	25.4	19.0	25.4	19.0	25.4	19.0
D	74.7	76.2	74.7	76.2	74.7	76.2	74.7	76.2
E	3/8"-16UNCx19 deep		M10x19 deep		3/8"-16UNCx19 deep		M10x19 deep	
K	5/8"-11UNCx28.4 deep		M16x28.4 deep		1/2"-13UNCx23.9 deep		M12x24.0 deep	

Shaft torque limits (cc/rev x bar)		
Pump	Shaft	Vp x P max. P1 + P2
KT6CC	1	14300
	2	21420
	3	32670
	5	20600

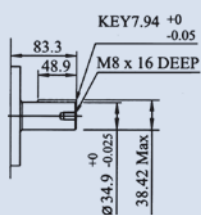
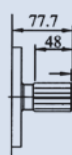
212.4
181
82.6

2-ø17.5 HOLE
ø26 SPOTFACER

MOUNTING TORQUE 138 ft. lbs
(187 Nm)



Unit:mm

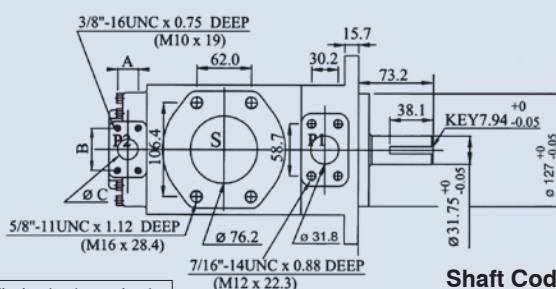


Shaft Code 3
SAE C Splined shaft
calss 1 – J498 b
12/24 d.p. -14 teeth
30° pressure angle
flat root side fit.

Shaft Code 4
NO SAE Splined shaft
class 1 –J498 b 12/24
d.p. -14 teeth 30°
pressure angle flat
root side fit.

KT6DCW
Shaft code5
(Keyed no SAE)

Shaft torque limits (cc/rev x bar)		
Pump	Shaft	Vp x P max. P1 + P2
KT6DC	1	43240
	2	34590
	3	61200
	4	61200
	5	55600



Shaft Code 2
(Keyed no SAE)

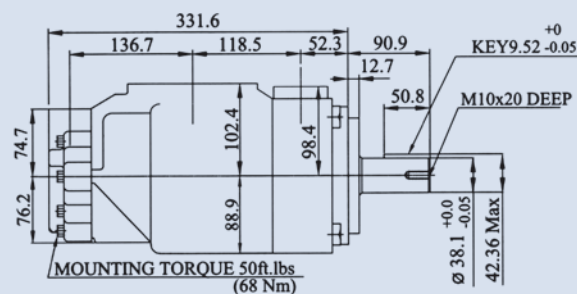
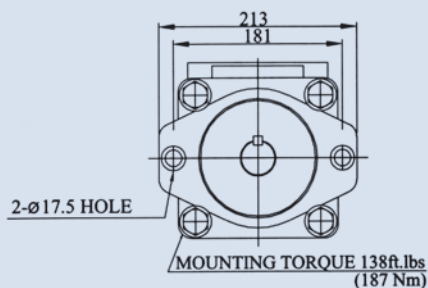
Alternate connect. variables		
	00 & Mo	01 & M1
A	1.031 (26.2)	0.874 (22.2)
B	2.06 (52.4)	1.874 (47.6)
C	1.0 (25.4)	0.75 (19.05)

DOUBLE LIPS AND PISTON TYPE DOUBLE VANE PUMP

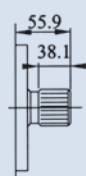
Dimensions

KT6EC

Unit:mm



Shaft Code 1
(Keyed SAE CC)



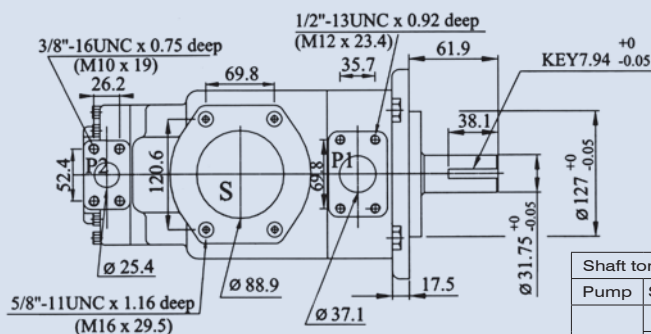
Shaft Code 3

SAE C Splined shaft calss
1 – J498 b 12/24 d.p. -14
teeth 30° pressure angle
flat root side fit.



Shaft Code 4

SAE CC Splined shaft
class 1 – J498 b 12/24
d.p. -17 teeth 30°
pressure angle flat
root side fit.

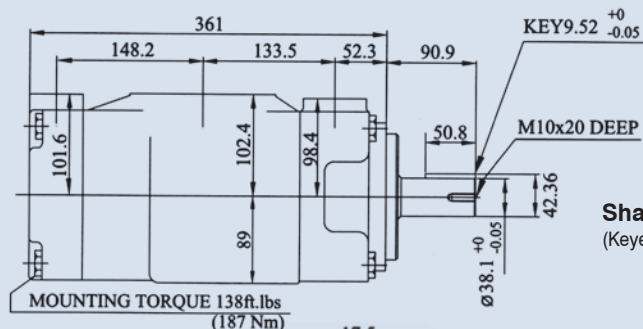
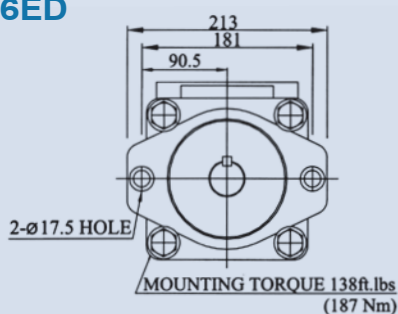


Shaft Code 2
(Keyed no SAE)

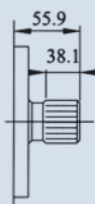
Shaft torque limits (cc/rev x bar)		
Pump	Shaft Vp x P max. P1 + P2	
KT6EC	1	72306
	2	34590
	3	61200
	4	76376

KT6ED

Unit:mm

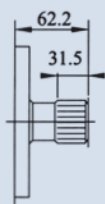


Shaft Code 1
(Keyed SAE CC)



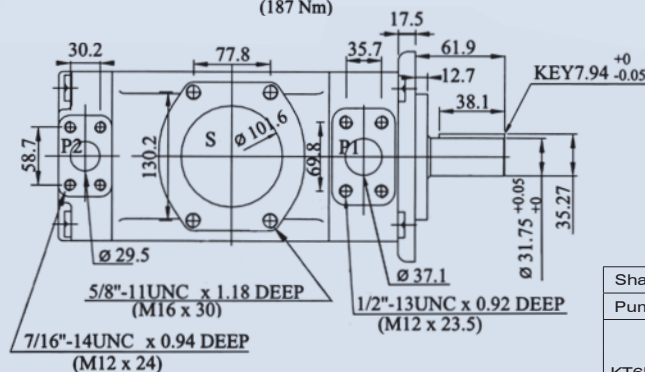
Shaft Code 3

SAE C Splined shaft calss
1 – J498 b 12/24 d.p. -14
teeth 30° pressure angle
flat root side fit.



Shaft Code 4

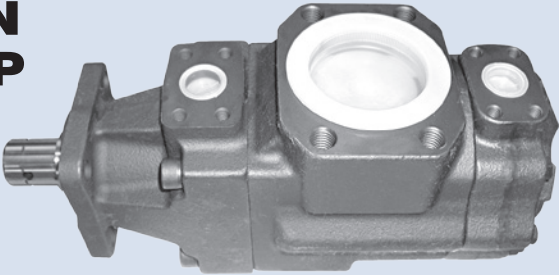
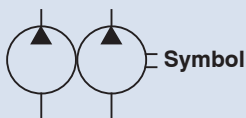
SAE CC Splined shaft
class 1 – J498 b 12/24
d.p. -17 teeth 30°
pressure angle flat
root side fit.



Shaft Code 2
(Keyed no SAE)

Shaft torque limits (cc/rev x bar)		
Pump	Shaft Vp x P max. P1 + P2	
KT6ED	1	72306
	2	34590
	3	61200
	4	76376

DOUBLE LIPS AND PISTON TYPE DOUBLE VANE PUMP



How to order

KT6GCC - 022 - 008 - 6 - R - 00 - A 1 - 00 - ✱

1 2 3 4 5 6 7 8 9

1 Model KT6GCC (KT6GC+KT6GC)
The large cartridge must be always mounted in the front.

2 Cam ring P1 & P2

3 Shaft type 6: splined (DIN 5462)

4 Shaft rotation (viewed from shaft end) R: Clockwise L: Counter-clockwise

5 Porting combination 00: Normal

6 Design letter

7 Seal class 1: S1 (for mineral oil)

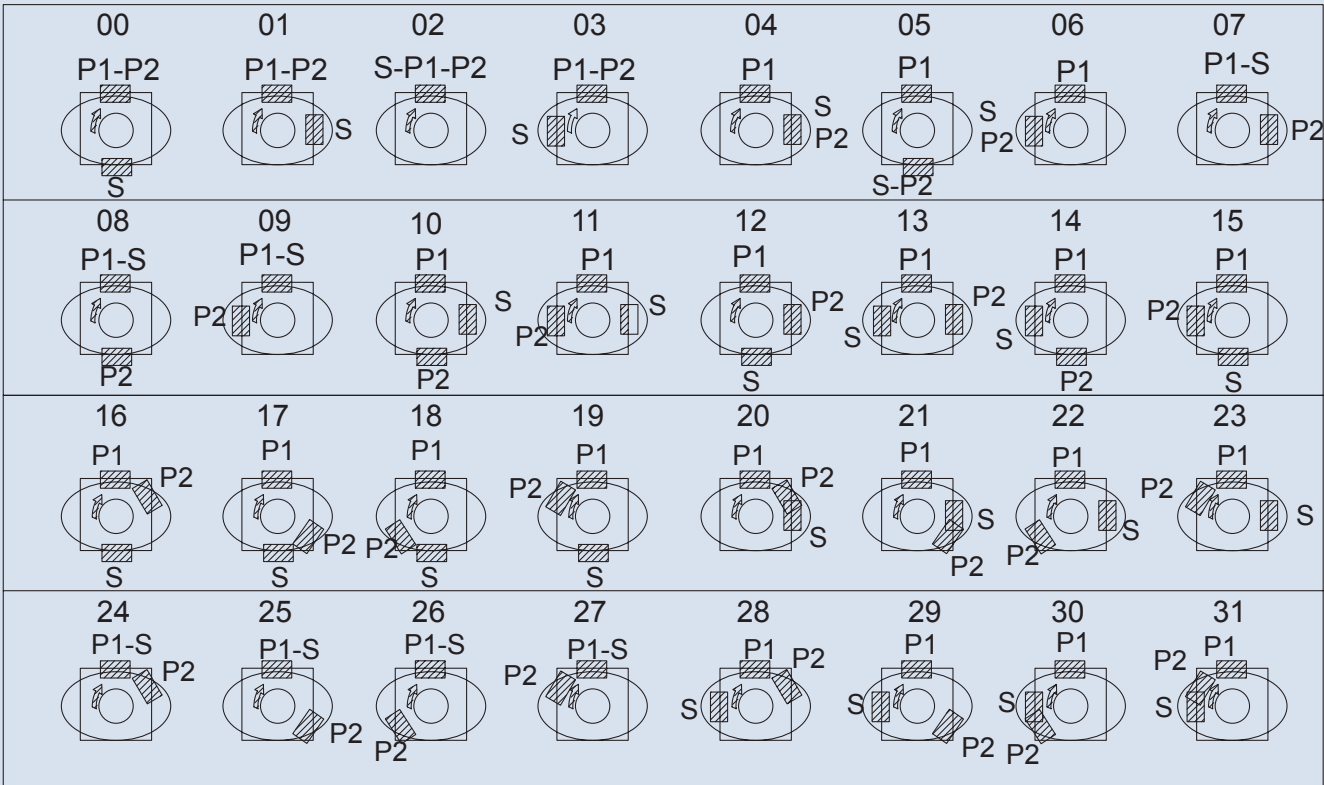
8 Port size

		P1=1",S=3"		P1=1",S=2 1/2" ²⁾	
P2		1"	3/4" ¹⁾	1"	3/4" ¹⁾
Code	UNC	00	01	10	11
	Metric	0M	M0	1M	M1

1)for 46cc/rev.max.
2)for 126cc/rev.max.

9 Modifications weight: 28 kgs

Port combinations



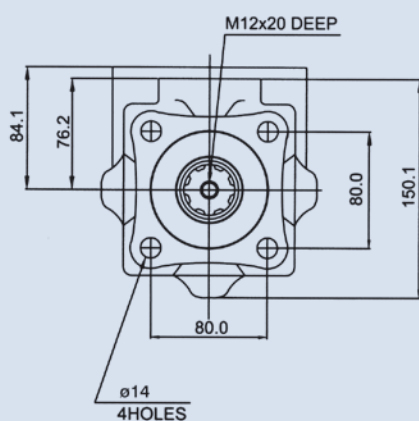
DOUBLE LIPS AND PISTON TYPE DOUBLE VANE PUMP

Specifications

Model	Pressure Port	Series	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw) At 1500 rpm			Max. Pressure (bar)	Runing Speed (rpm)	
				p=0 bar	p=140 bar	p=240 bar	p=7 bar	p=140 bar	p=240 bar		Max.	Min.
KT6GCC	P1 & P2	003	10.8	16.2	10.7		1.3	5.3		300	3000	600
		005	17.2	25.8	20.3	15.8	1.4	7.5	12.2			
		006	21.3	31.9	26.5	22.0	1.5	8.9	14.7			
		008	26.4	39.6	34.1	29.6	1.6	10.7	17.7			
		010	34.1	51.1	45.7	41.2	1.7	13.4	22.3			
		012	37.1	55.6	50.2	45.7	1.7	14.4	24.1			
		014	46.0	69.0	63.5	59.0	1.9	17.6	29.5			
		017	58.3	87.4	82.0	77.5	2.1	21.9	36.9			
		020	63.8	95.7	90.2	85.7	2.2	23.8	40.2			
		022	70.3	105.4	100.0	95.5	2.3	26.1	44.1			
		025	79.3	118.9	113.5	109.0	2.5	29.2	49.5			
		028	88.8	133.2	127.7	124.5 2)	2.8	32.7	48.5	230	2800	
		031	100.0	150.0	144.5	141.3 2)	2.8	36.5	54.2			

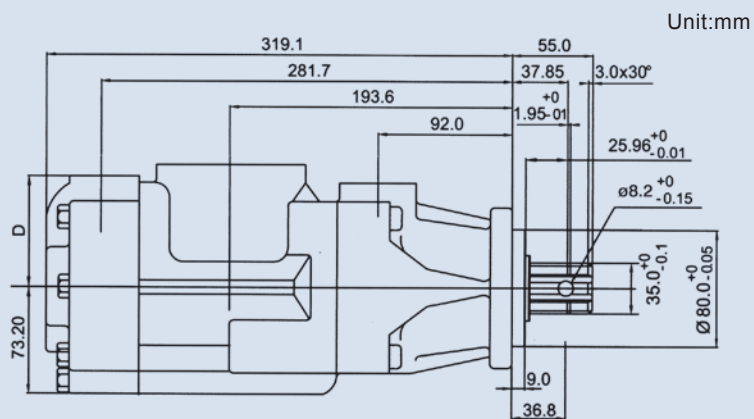
Not to use because internal leakage greater than 50% theoretical flow.

Dimensions

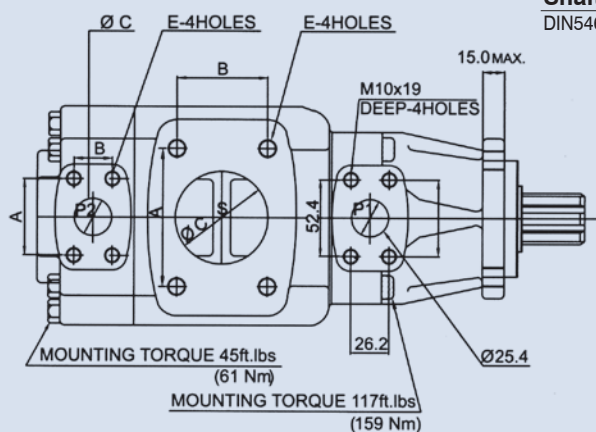


Port	A	B	C	D	E
S (3")	106.4	61.9	76.2		5/8-11UNC X 1.12 (M16 X 28.4 deep)
S (2 1/2")	88.9	50.8	63.5		1/2-13 UNC X 0.94 (M12 X 24 deep)
P2 (3/4")	47.7	22.2	19.0	76.2	3/8-16UNC X 0.75 (M10 X 19.0 deep)
P2 (1")	52.4	26.2	25.4	74.7	

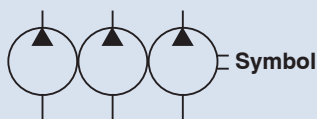
Shaft torque limits (cc/rev x bar)	
Shaft	Vp x P max.(P1+P2)
6	32670



Shaft Code 6
DIN5462B8 x 32 x 36



DOUBLE LIPS AND PISTON TYPE TRIPLE VANE PUMP



How to order

KT6DCC - 038 - 022 - 008 - 1 - R - 00 - A 1 - 00 - ✱

1 2 3 4 5 6 7 8 9

1 Model KT6DCC (KT6D+KT6C+KT6C)

2 Cam ring P1 P2 P3

3 Shaft type

4 Shaft rotation R: Clockwise L: Counter-clockwise

5 Porting combination 00: Normal

6 Design letter

7 Seal class 1: S1 (for mineral oil) 4: S4 (for fire resistant fluids) 5: S5 (for mineral oil and fire resistant fluids)

8 Port size

	UNC		Metric	
	00	01	M0	M1
P3	1"	3/4"	1"	3/4"

9 Modifications weight: 65 kgs

Port combinations

00 P1-P2-P3 	01 P1-P2-P3 	02 S-P1-P2-P3 	03 P1-P2-P3 	04 P1 S P2 P3 	05 P1 S P2 P3 	06 P1 P2 P3 	07 P1-S P2 P3 	08 P1-S P2-P3 	09 P1-S P2 P3
10 P1 S P2-P3 	11 P1-P2 S P3 	12 P1-P2 S P3 	13 P1-P3 S P2 	14 P1 S P2-P3 	15 P1-P3 S P2 	16 S-P1-P2 P3 	17 S-P1-P2 P3 	18 S-P1-P2 P3 	19 S-P1-P3 P2
20 S-P1-P3 P2 	21 S-P1-P3 P2 	22 P1-P2 P3 S 	23 P1 S P2 P3 	24 P1 P2 P3 S 	25 P1 P2 P3 S 	26 P1 P2 P3 S 	27 P1-P3 S P2 	28 P1-S P2 P3 	29 P1-S P2 P3
30 P1-S P2 P3 	31 P1-S P2 P3 	32 P1-S P2 P3 	33 P1-S P2 P3 	34 P1-P2 P3 S 	35 P1-P2 P3 S 	36 P1-P2 P3 S 	37 P1-P2 P3 S 	38 P1-P2 P3 S 	39 P1-P2 P3 S
40 P1-P3 S P2 	41 P1-P3 S P2 	42 P1-P3 S P2 	43 P1-P3 S P2 	44 P1-P3 S P2 	45 P1-P3 S P2 	46 P1 P2 P3 S 	47 P1 P2 P3 S 	48 P1 P2 P3 S 	49 P1 P2 P3 S
50 P1 S P2 P3 	51 P1 S P2 P3 	52 P1 S P2 P3 	53 P1 S P2 P3 	54 P1 S P2 P3 	55 P1 S P2 P3 	56 P1 S P2 P3 	57 P1 S P2 P3 	58 P1 S P2 P3 	59 P1 S P2 P3
60 P1 P2 P3 S 	61 P1 P2 P3 S 	62 P1 P2 P3 S 	63 P1 P2 P3 S 						

DOUBLE LIPS AND PISTON TYPE TRIPLE VANE PUMP

Specifications

Model	Pressure Port	Cam Ring	Displacement (cc/rev)	Delivery (lpm) At 1500 rpm			Input Power (kw) At 1500 rpm			Max. Pressure (bar)	Runing Speed (rpm)	
				p=0 bar	p=140 bar	p=240 bar	p=7 bar	p=140 bar	p=240 bar		Max.	Min.
KT6DCC	P1	014	47.6	71.4	62.1	55.9	2.3	18.5	30.6	300	2800	600
		017	58.2	87.3	78.0	71.8	2.5	22.2	37.0			
		020	66.0	99.0	89.7	83.5	2.8	24.9	41.7			
		024	79.5	119.3	110.0	103.8	3.0	29.6	49.8			
		028	89.7	134.5	125.2	119.0	3.2	33.2	55.9			
		031	98.3	147.5	138.1	131.9	3.3	36.2	61.0			
		035	111.0	166.5	157.2	151.0	3.5	40.7	68.7			
		038	120.3	180.4	171.1	164.9	3.7	43.9	74.3			
		042 1)	136.0	204.0	194.7	188.5	4.0	49.4	83.7			
		045 1)	145.7	218.5	209.2	203.0	4.1	52.8	89.5			
		050 1)	158.0	237.0	227.7	224.0 2)	4.4	57.0	85.0 2)			
	P2 - P3	003	10.8	16.2	10.7		1.3	5.3				
		005	17.2	25.8	20.3	15.8	1.4	7.5	12.2			
		006	21.3	31.9	26.5	22.0	1.5	8.9	14.7			
		008	26.4	39.6	34.1	29.6	1.6	10.7	17.7			
		010	34.1	51.1	45.7	41.2	1.7	13.4	22.3			
		012	37.1	55.6	50.2	45.7	1.7	14.4	24.1			
		014	46.0	69.0	63.5	59.0	1.9	17.6	29.5			
		017	58.3	87.4	82.0	77.5	2.1	21.9	36.9			
		020	63.8	95.7	90.2	85.7	2.2	23.8	40.2			
		022	70.3	105.4	100.0	95.5	2.3	26.1	44.1			
		025	79.3	118.9	113.5	109.0	2.5	29.2	49.5			
		028	88.8	133.2	127.7	124.5 3)	2.8	32.7	48.5 3)			
		031	100.0	150.0	144.5	141.3 3)	2.8	36.5	54.2 3)			

1) 042-045-050=2500 rpm max. 2) 050=230 bar max. int. 3) 028-031=230 bar max. int.

Dimensions

