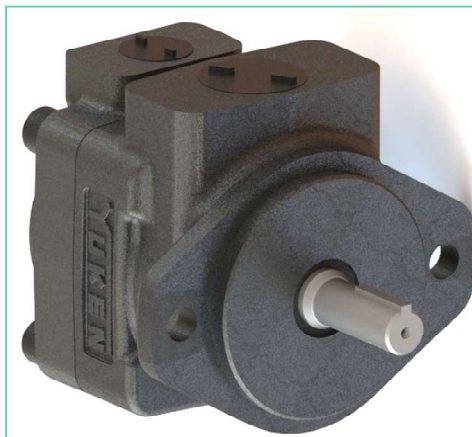
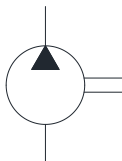


PVR1T Series Single Vane Pumps

These Pumps are widely used as a source of hydraulic power. They combine stable performance and robust construction with a wide range of delivery rates.

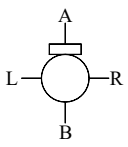
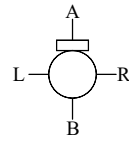
Graphic Symbol



Specifications

Model Number	Geometric Displacement cm ³ /rev.	Max. Opr. Pressure Kgf/cm ²	Output Flow and Input Power	Shaft Speed Range r/min.		Mass (Approx.) Kg.	
				Max.	Min.	Flange Mounting	Foot Mounting
PVR1T – 4	3.5	125	Refer to Page 110 & 111	1800	750	5.8	7.5
PVR1T – 6	5.5	210					
PVR1T – 8	7.8						
PVR1T – 10	8.7						
PVR1T – 12	11.5						
PVR1T – 15	13.8						
PVR1T – 17	16.0						
PVR1T – 31	22.0					6.2	8.0

Model Number Designation

F -	PVR1T	- 4	- L	- R	A	A	-21	80
Special Seals **	Series	Nominal Delivery	Mounting	Direction of Rotation	Discharge Port Position	Suction Port Position	Design * Number	Design Standard
As Viewed From Shaft End							21	80
F: For Phosphate Ester Type Fluids (Omit if not required)	PVR1T	4, 6, 8, 10, 12, 15, 17	L: Foot Type F: Flange Type	R: Clock wise (Normal) L: Counter Clockwise				
		31						

* Design numbers subject to change from 20 to 29, but installation dimensions remain as shown.

* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

** Before ordering the Special Seals, consult YUKEN INDIA LTD.

Cartridge Kit Model Number

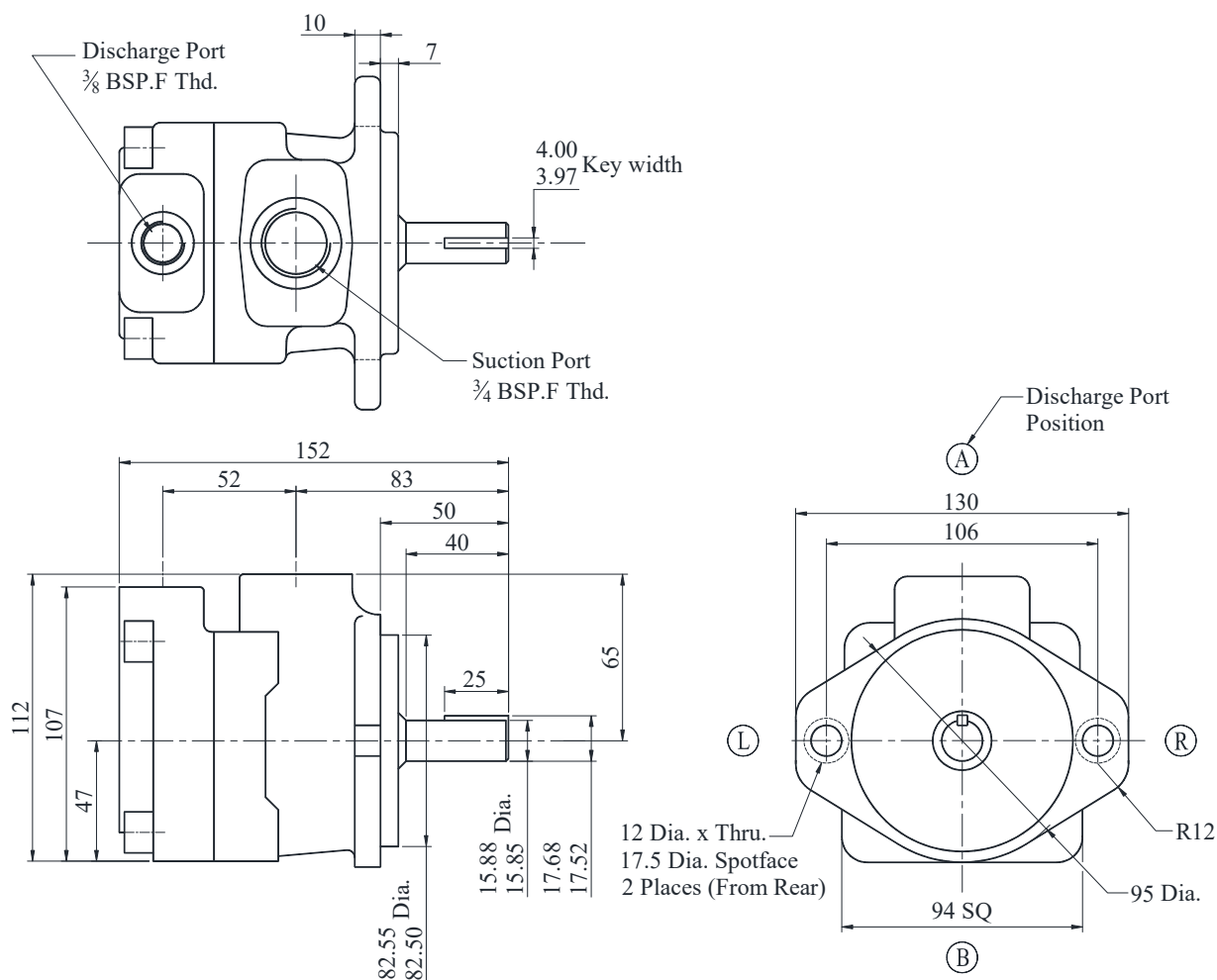
CPVR1T	-4	-R	-20
Model Number	Nominal Delivery	Shaft Rotation	Design No.
CPVR1T	4	R: Clockwise (Normal)	20
	6		
	8		
	10	L: Counter- Clockwise	
	12		
	15		
	17		
31			

* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

PVR1T-※-F-※※-2180

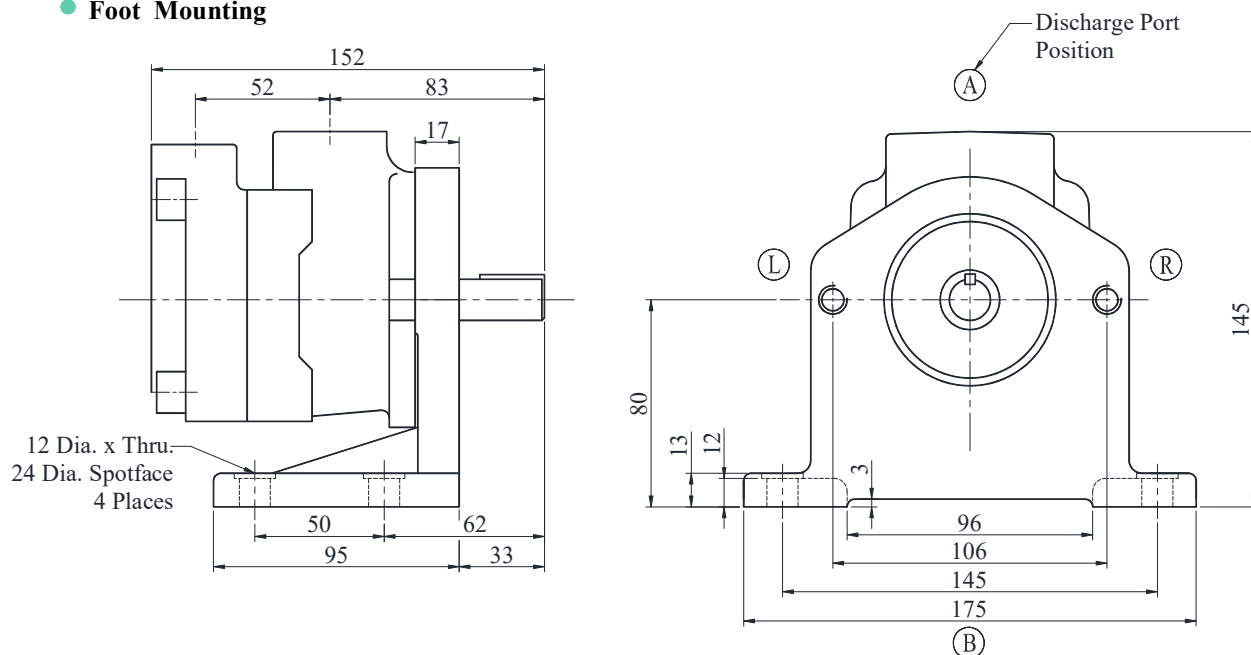
● **Flange Mounting**

**DIMENSIONS IN
MILLIMETRES**



PVR1T-※-L-※※-2180

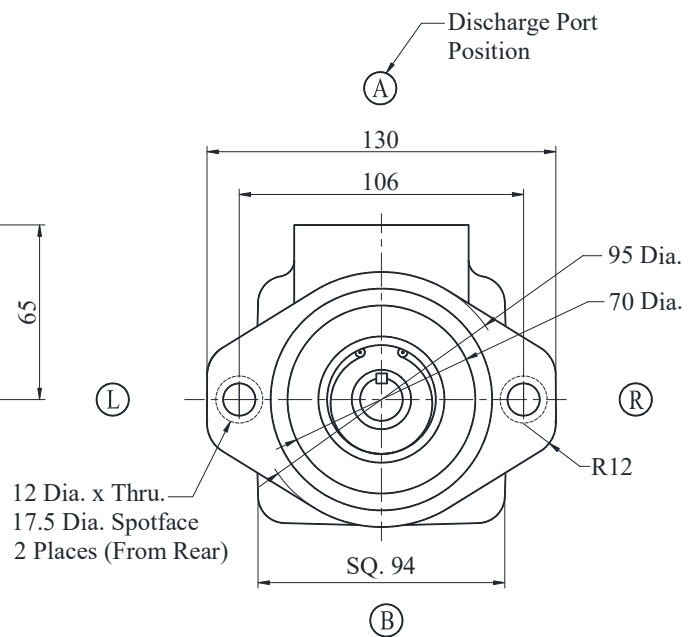
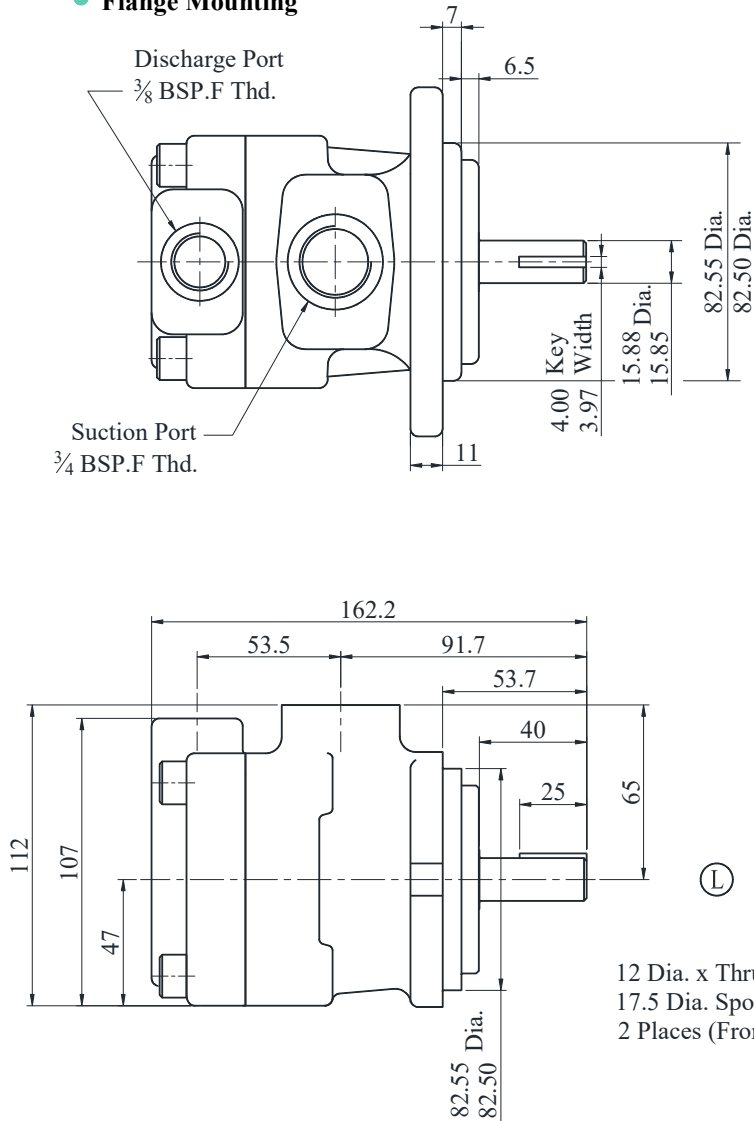
● **Foot Mounting**



PVR1T-31-F-※※-2180H10

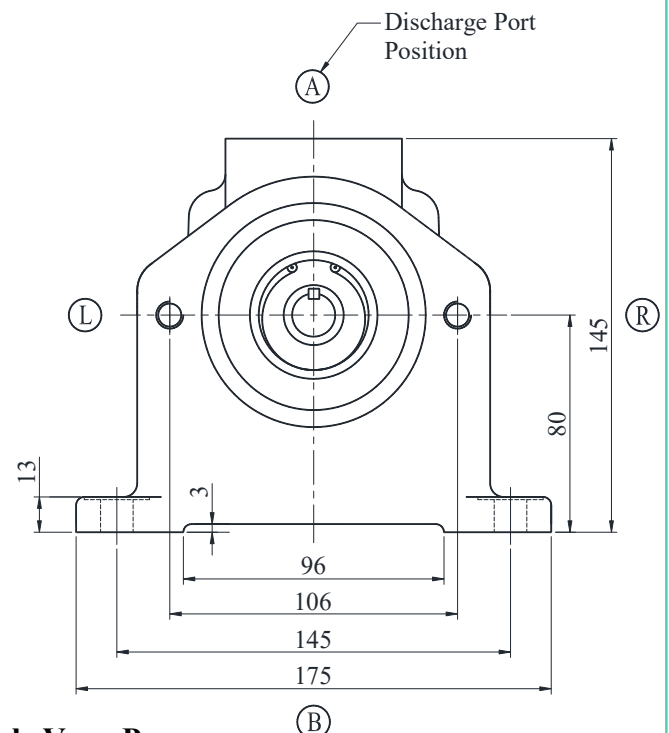
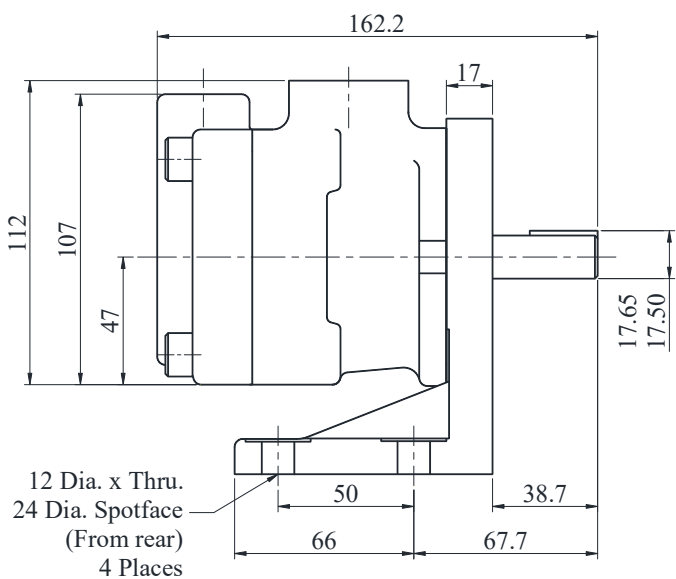
Flange Mounting

DIMENSIONS IN
MILLIMETRES



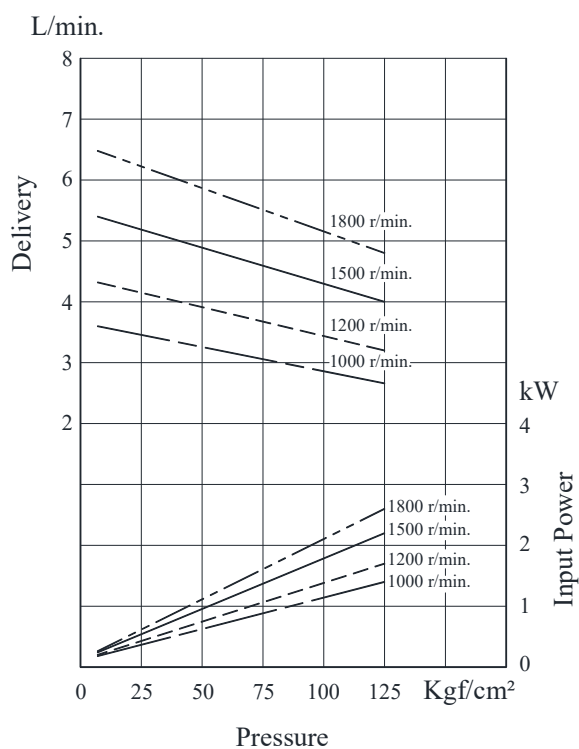
PVR1T-31-L-※※-2180H10

Foot Mounting

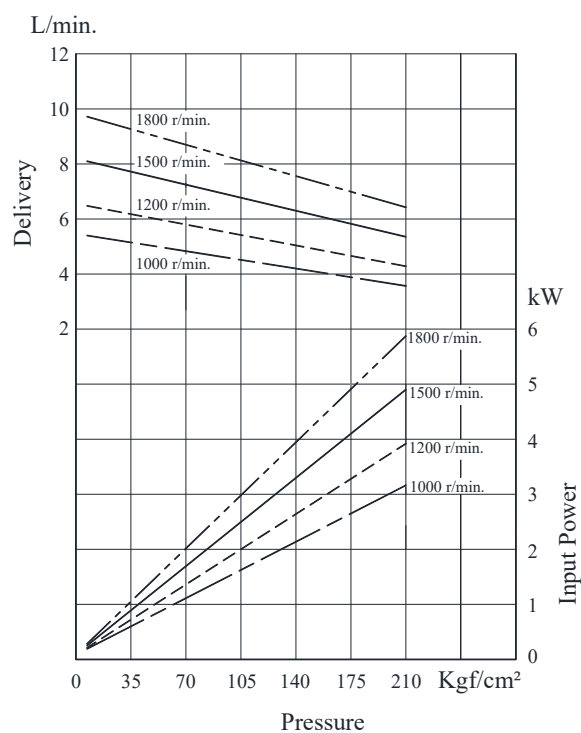


Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50⁰ C]

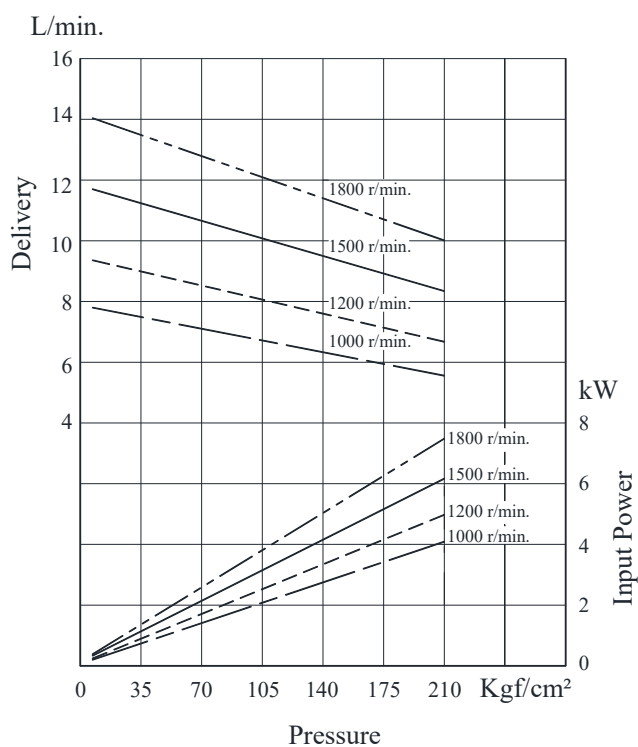
● PVR1T - 4



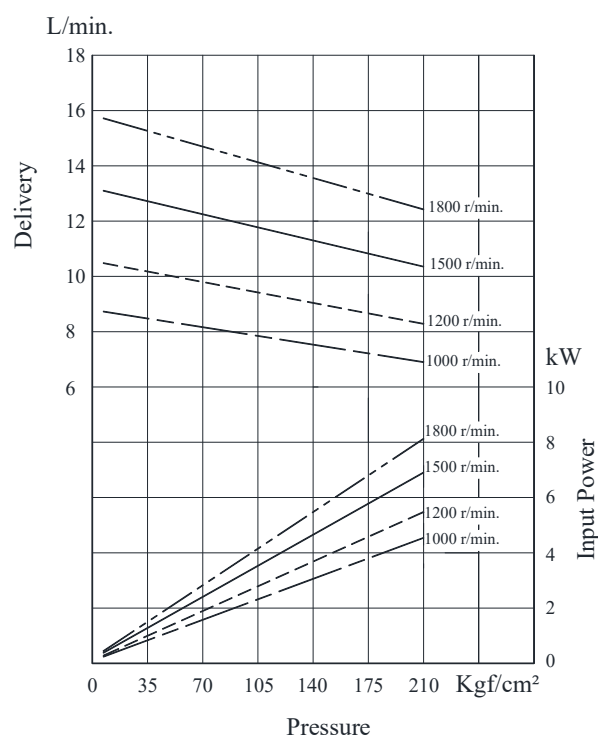
● PVR1T - 6



● PVR1T - 8

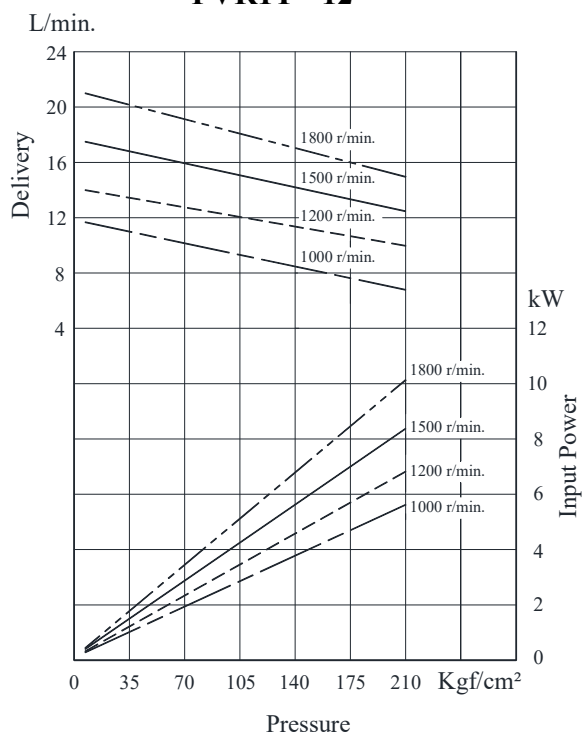


● PVR1T - 10

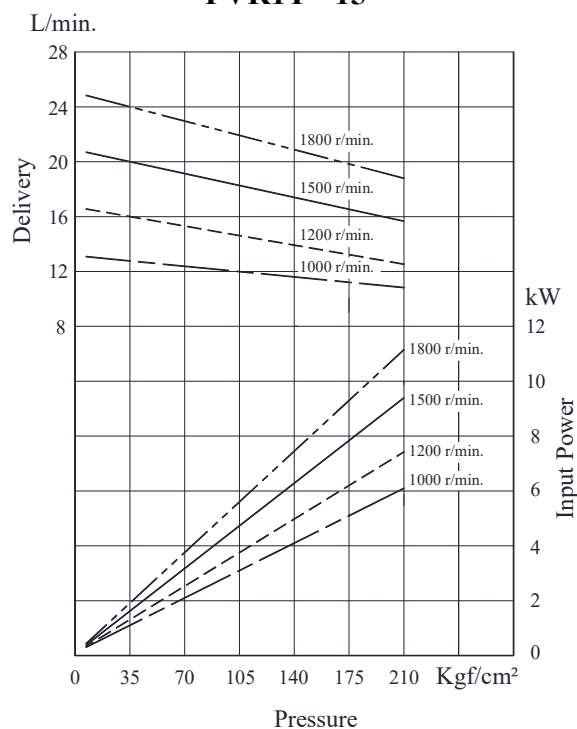


Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50⁰ C]

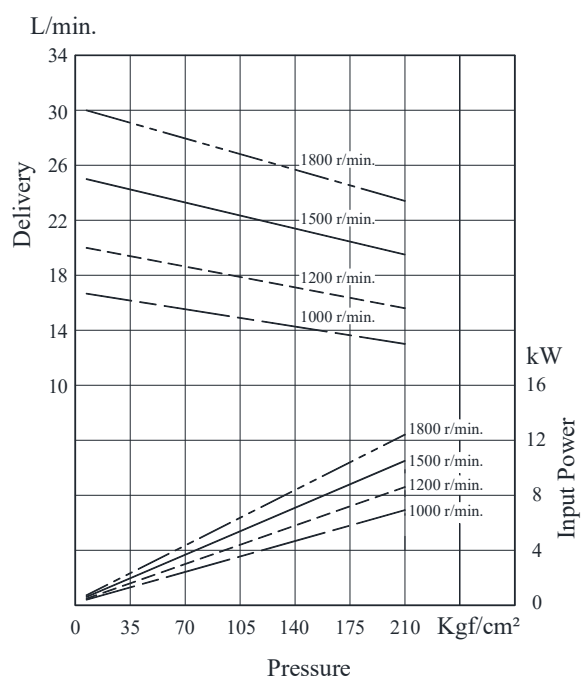
● PVR1T - 12



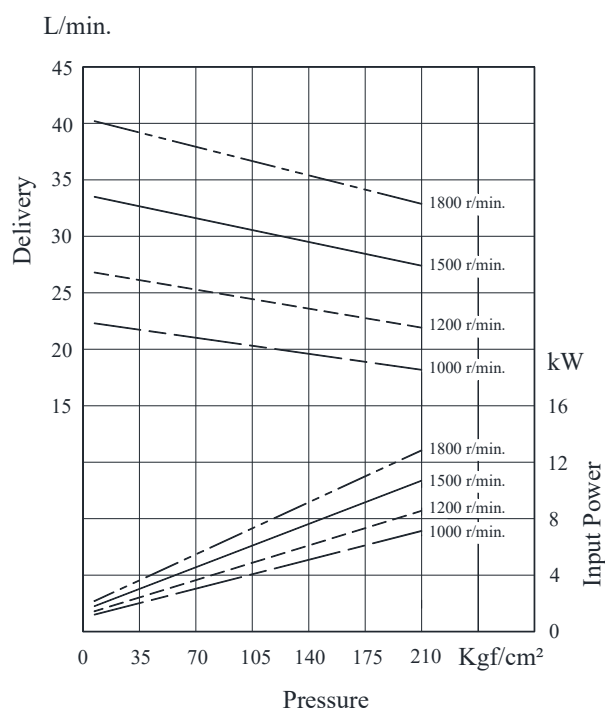
● PVR1T - 15



● PVR1T - 17



● PVR1T - 31



■ Spare Parts List

● List of Seals

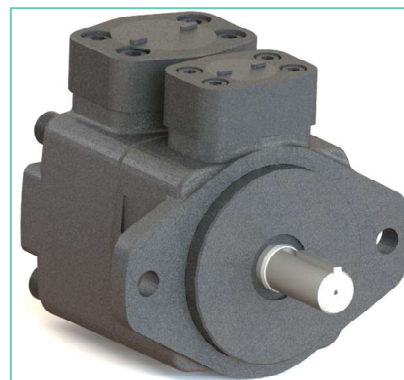
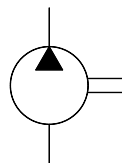
Sl. No.	Name of Parts	Part No.	Qty.
1.	O-Ring	SO-NB-G80	1
2.	O-Ring	SO-NB-G60	1
3.	O-Ring	SO-NB-G35	1
4.	Oil seal	ISD 20307	1

Note : When ordering the seals, please specify the seal kit number KS-PVR1T-2080.

PVR50 Series Single Vane Pumps

These pumps are widely used as a source of hydraulic power. They combine stable Performance and robust construction with a wide range of delivery rates.

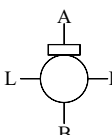
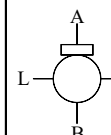
Graphic Symbol



Specifications

Model Number	Geometric Displacement cm ³ /rev.	Max. Opr. Pressure Kg/cm ²	Output Flow and Input Power	Shaft Speed Range r/min.		Mass (Approx.) Kg.	
				Max.	Min.	Flange Mounting	Foot Mounting
PVR50-13	10.5	210	Ref. Page 110, 111 & 112	1800	600	12	14.7
PVR50-20	16.0						
PVR50-26	21.5						
PVR50-30	24.0						
PVR50-36	29.5						
PVR50-39	31.5						
PVR50-45	35.5						
PVR50-51	41.0						
PVR50-56	45.0						

Model Number Designation

F-	PVR50	-L	-F	-13	-	-R	A	A	-32	80
Special Seals **	Series Number	Type of Mounting	Type of Pipe Connection	Nominal Delivery	Shaft Type	Direction of Rotation	Discharge Port Position	Suction Port Position	Design * Number	Design Standard
						As Viewed From Shaft End				
F: For Phosphate Ester Type Fluids (Omit if not required)	PVR50	L: Foot Type F: Flange Type	F: Flange Connection T: Threaded Connection	13 20 26 30 36 39 45 51 56 *1	None: Std. Shaft. 1: Special Shaft (For 51 & 56 Capacity Only)	R: Clockwise (Normal) L: Counter Clockwise			32	80

* Design numbers subject to change from 30 to 39, but installation dimensions remain as shown.

* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

** Before ordering the Special Seals, consult YUKEN INDIA LTD.

*1 Threaded type connection is not available for 56 Capacity.

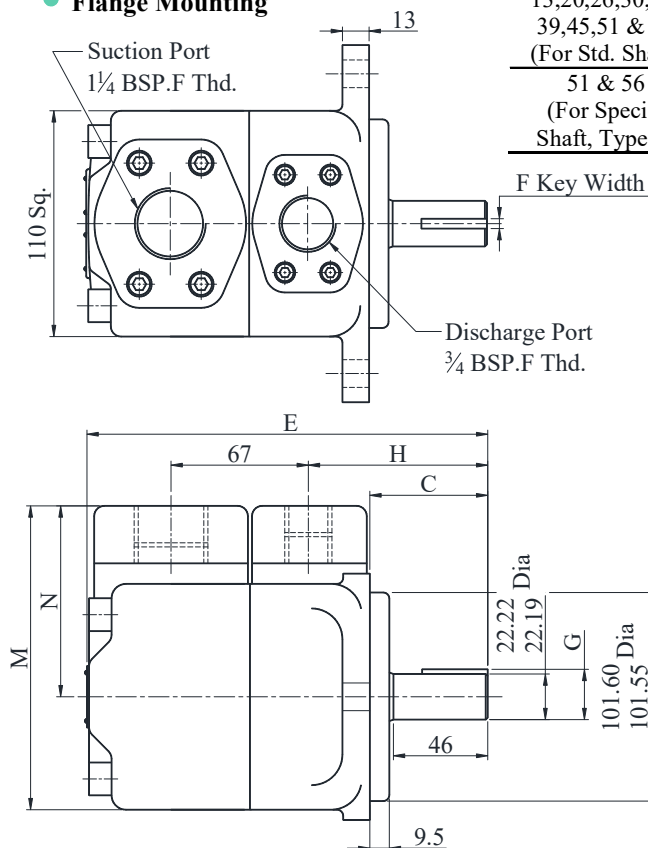
Cartridge Kit Model Number

CPVR50	-13	-R	-31
Model Number	Nominal Delivery	Shaft Rotation	Design No.
CPVR50	13	R: Clockwise (Normal)	31
	20		
	26		
	30		
	36	L: Counter- Clockwise	
	39		
	45		
	51		
56			

* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

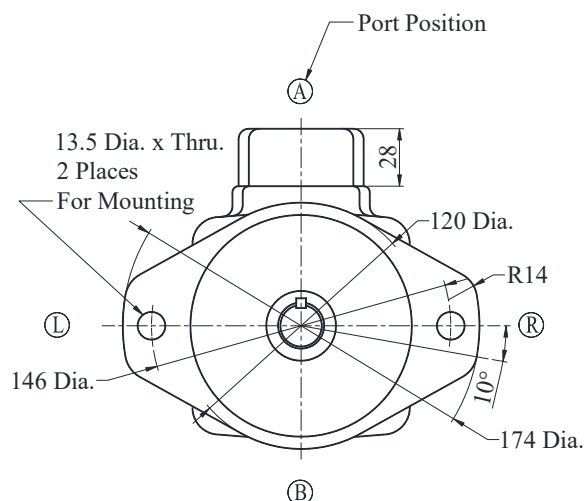
PVR50-F-※-※-※※※※-3280

● **Flange Mounting**



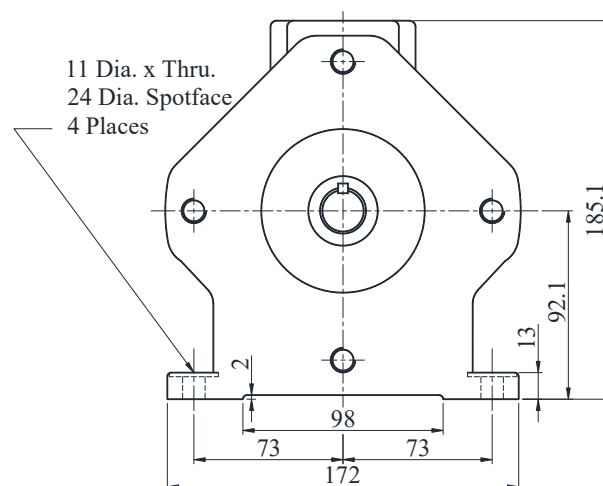
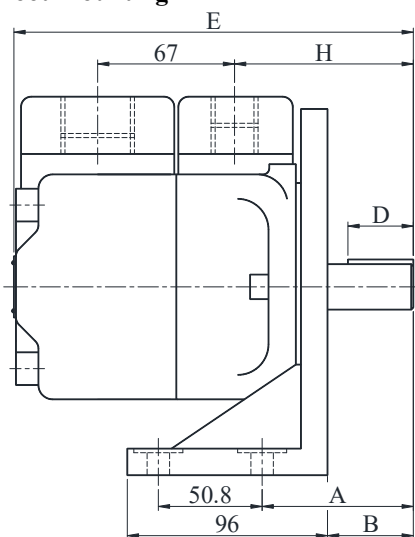
Capacity	A	B	C	D	E	F	G	H
13,20,26,30,36, 39,45,51 & 56 (For Std. Shaft)	74	42	59	32	197	4.79 4.76	24.500 24.330	87.5
51 & 56 (For Special Shaft, Type-1)	86.4	54.4	71.4	38	209.4	6.38 6.35	24.925 24.774	100

Model	M	N
PVR50-※-F-	148	93
PVR50-※-T-	136	81



PVR50-L-※-※-※※※※-3280

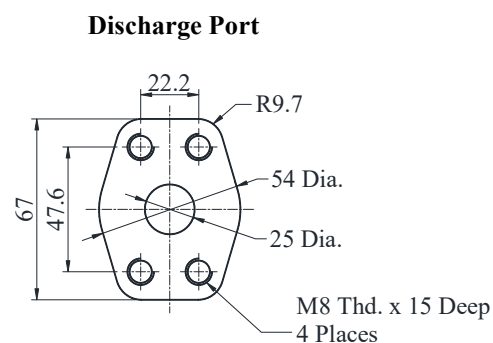
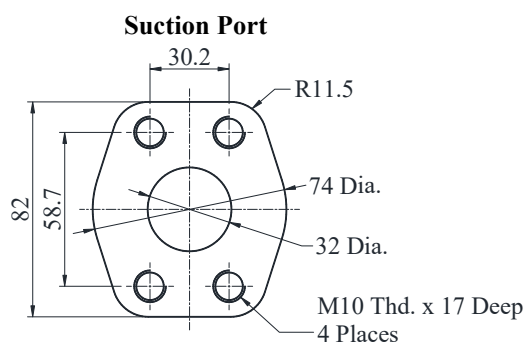
● **Foot Mounting**



**DIMENSIONS IN
MILLIMETRES**

For Other Dimensions see Flange Mounting.

For Reference: Dimensions of Pipe Flange Mounting Surfaces



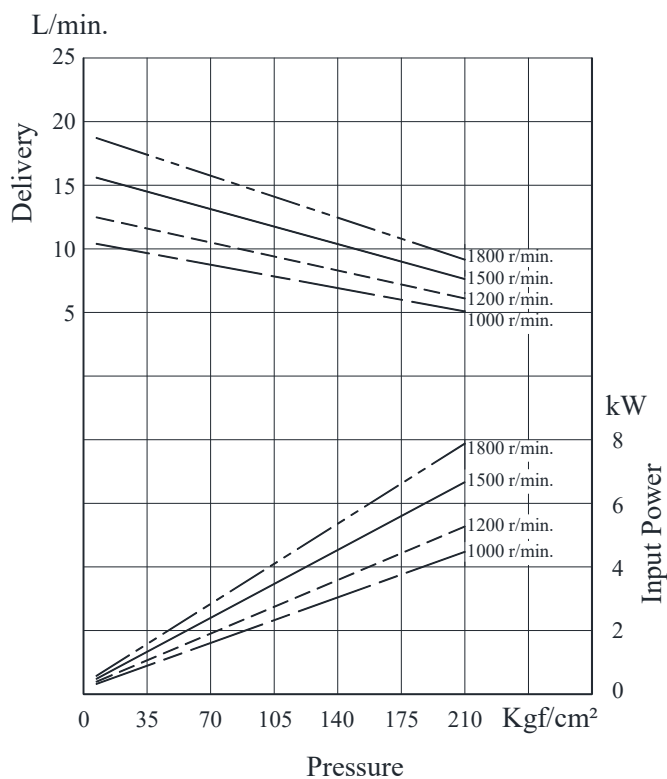
“PVR” Series Single Vane Pumps

B

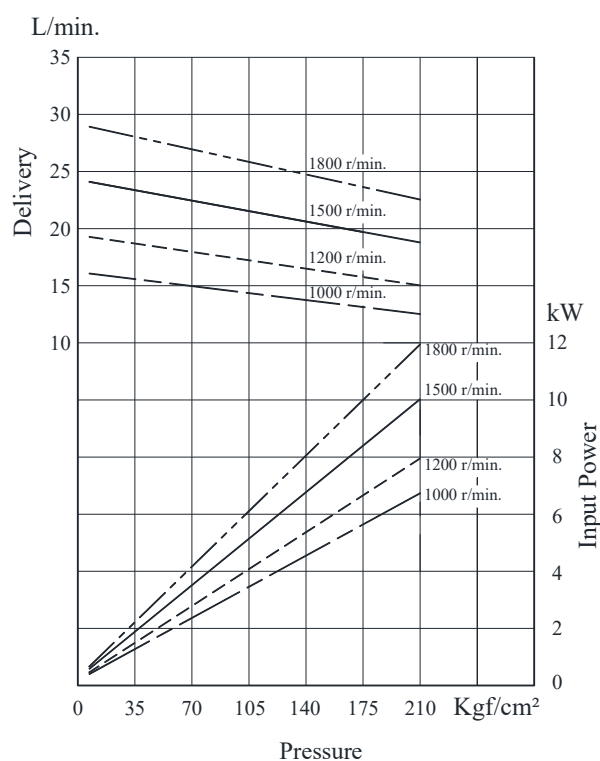
PVR Series
Single Vane Pumps

Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50⁰ C]

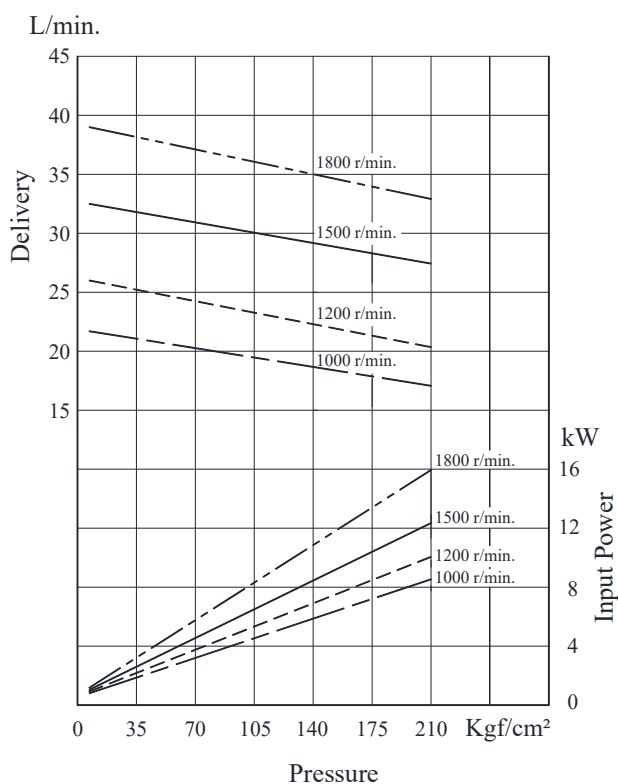
● **PVR50 - 13**



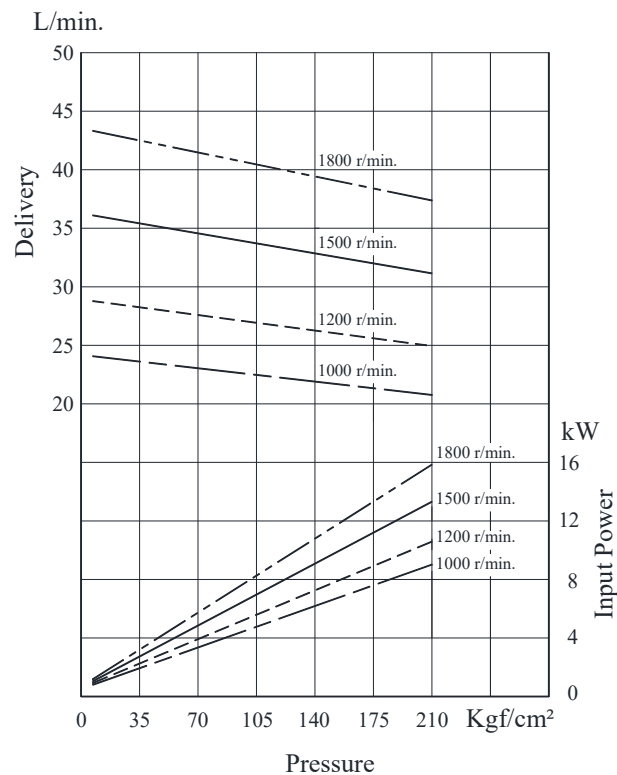
● **PVR50 - 20**



● **PVR50 - 26**

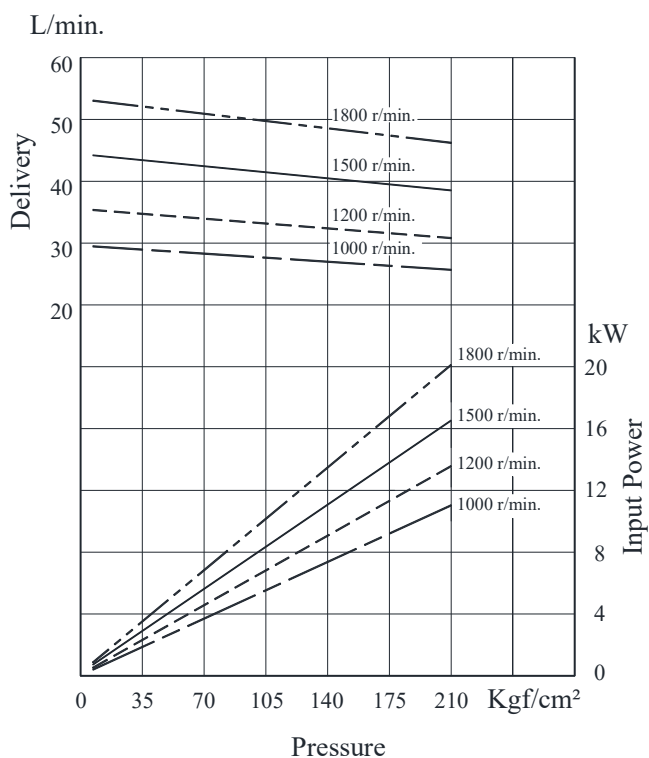


● **PVR50 - 30**

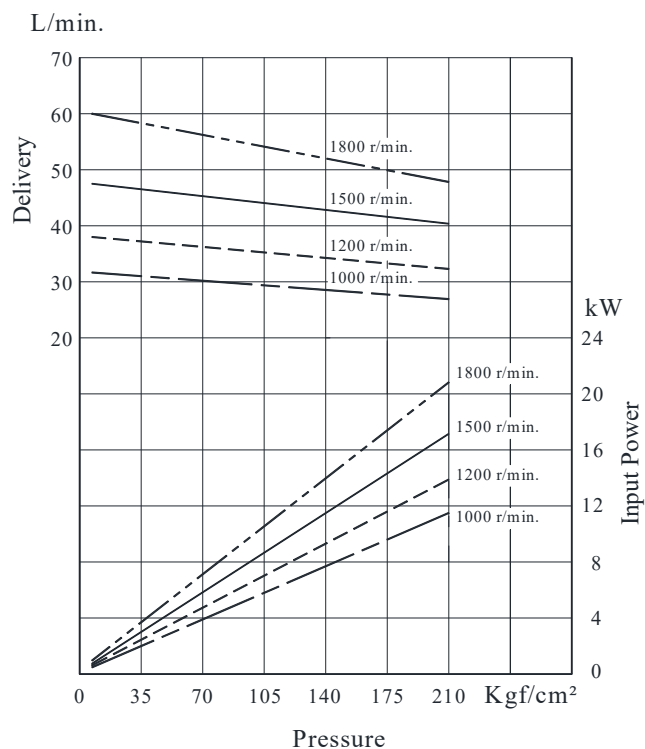


Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50⁰ C]

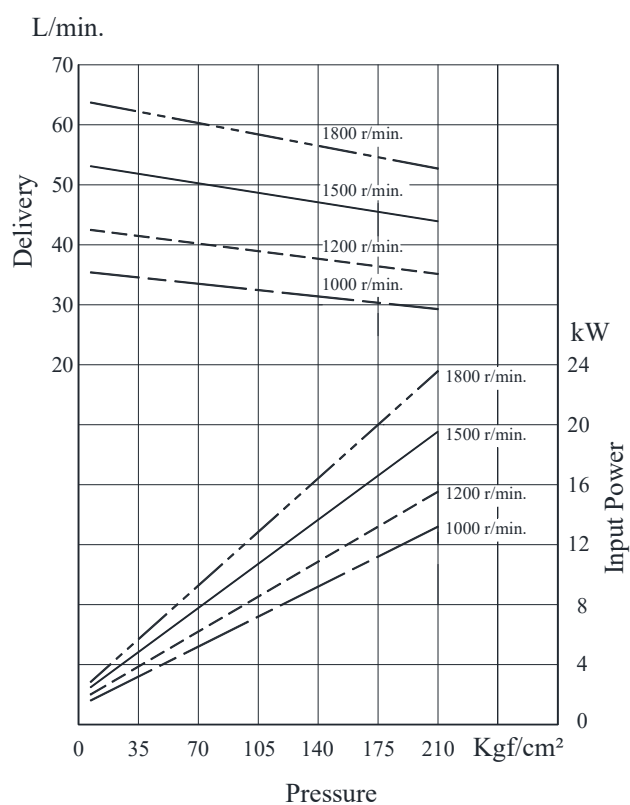
● PVR50 - 36



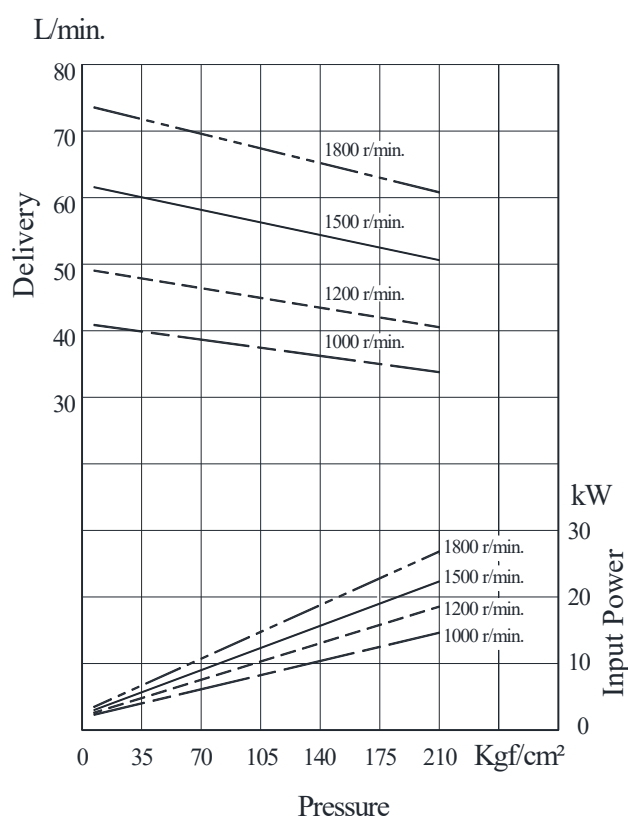
● PVR50 - 39



● PVR50 - 45

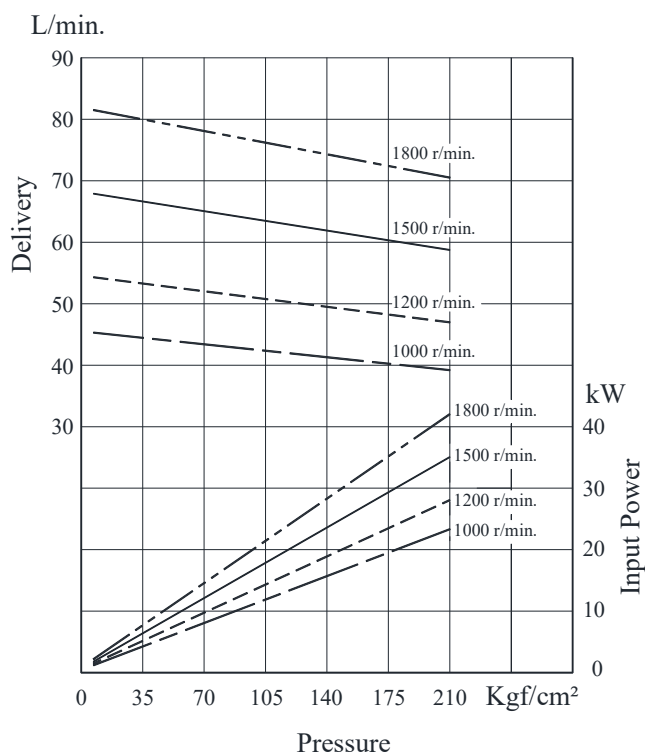


● PVR50 - 51



Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50⁰ C]

● PVR50 - 56



■ Flanges

Note: Please refer page no. 725 for flange details.

■ Spare Parts List

● List of Seals

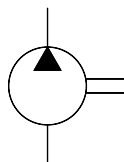
Sl. No.	Name of Part	Part Number	Qty.
1	O-Ring	SO-NA-G80	1
2	O-Ring	SO-NA-P41	1
3	O-Ring	SO-NB-G85	1
4	Backup-Ring	SO-BB-G80	1
5	Backup-Ring	SO-BB-P41	1
6	Oil Seal	ISPD 25388	1

Note: When ordering the seals, please specify the seal kit number KS-PVR50-3180.

PVR 150-Series Single Vane Pumps

These pumps are widely used as a source of hydraulic power. They combine stable performance and robust construction with a wide range of delivery rates.

Graphic Symbol



Specifications

Model Number	Geometric Displacement cm ³ /rev.	Max. Opr. Pressure Kgf/cm ²	Output Flow and Input Power	Shaft Speed Range r/min.		Mass (Approx.) Kg.	
				Max.	Min.	Flange Mounting	Foot Mounting
PVR150 – 60	47	210	Refer Page 115 & 116	1800*	600	29.3	35.9
PVR150 – 70	57						
PVR150 – 90	75						
PVR150 – 110	92						
PVR150 – 140	115						
PVR150 – 170	135						

* For speeds above 1500 r/min., consult factory for information.

Model Number Designation

F-	PVR150	-L	-F	-60	-R	A	A	-35	80
Special Seals **	Series Number	Type of Mounting	Type of pipe Connection	Nominal Delivery	Direction of Rotation	Discharge Port Position	Suction Port Position	Design * Number	Design Standard
As Viewed From Shaft End									
F: For Phosphate Ester Type Fluids (Omit if not required)	PVR150	L: Foot Type F: Flange Type	F: Flange Connection	60 70 90 110 140 170	R: Clockwise (Normal) L: Counter Clockwise			35	80

* Design numbers subject to change from 30 to 39, but installation dimensions remain as shown.

* For instructions regarding changing the port positions, consult YUKEN INDIA LTD.

** Before ordering the Special Seals, consult YUKEN INDIA LTD.

Cartridge Kit Model Number

CPVR150	-60	-R	-33
Model Number	Nominal Delivery	Shaft Rotation	Design No.
CPVR150	60	R: Clockwise (Normal)	33
	70		
	90		
	110	L: Counter-Clockwise	
	140		
	170		

* For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

DIMENSIONS IN
MILLIMETRES

[illegible]

Technical drawing of the 1000 Series Motor Mounting Flange, showing side and front views with dimensions.

Side View Dimensions:

- Overall Width: 260
- Distance between mounting holes: 88
- Distance from centerline to mounting hole center: 112
- Distance from centerline to mounting hole center (bottom): 76.2
- Distance from centerline to mounting hole center (bottom): 131
- Distance from centerline to mounting hole center (bottom): 92
- Distance from centerline to mounting hole center (bottom): 54

Front View Dimensions:

- Overall Width: 265
- Distance between mounting holes: 117.5
- Distance from centerline to mounting hole center: 117.5
- Distance from centerline to mounting hole center: 165
- Distance from centerline to mounting hole center: 109.5
- Distance from centerline to mounting hole center: 226.5
- Distance from centerline to mounting hole center: 16
- Distance from centerline to mounting hole center: 3
- Distance from centerline to mounting hole center: 15

Notes:

- 17.5 Dia. x Thru.
- 35 Dia. Spotface
- 4 Places

Other Dimensions See Flange Mounting

For Reference : Dimensions of Pipe Flange Mounting Surfaces

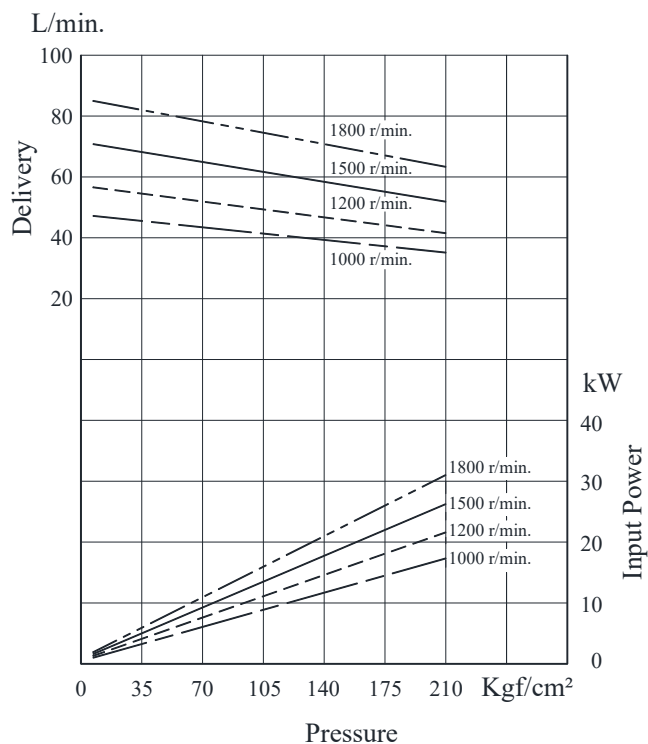
Technical drawing of a square flange with rounded corners. The drawing shows a central circular hole with a diameter of 98 mm. The outer square flange has a width of 110 mm and a height of 110 mm. The corners are rounded with a radius of R16. There are four mounting holes, each with a diameter of 55 mm. The distance between the centers of the mounting holes is 42.9 mm. The mounting holes are specified as M12 Thd. x 18 Deep, 4 Places.

Technical drawing of a hexagonal plate with the following dimensions and features:

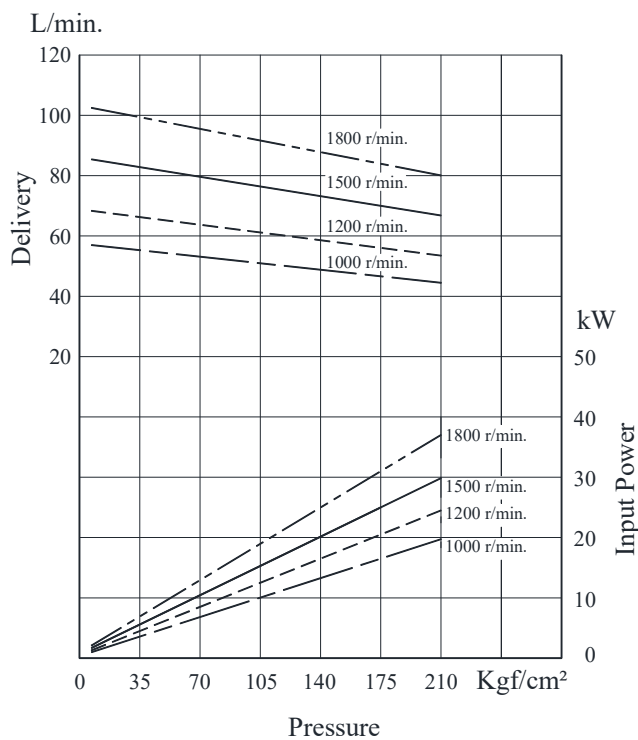
- Overall width: 30.2
- Overall height: 86
- Inner diameter (central hole): 74 Dia.
- Outer diameter (corner holes): 37 Dia.
- Corner radius: R13.5
- Central hole: M10 Thd. x 15 Deep
- Corner holes: 4 Places

Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50⁰ C]

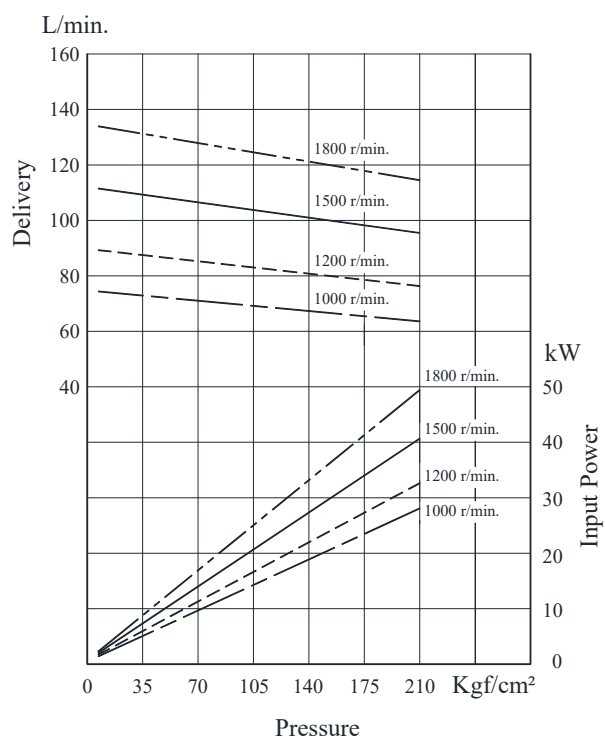
● PVR 150 - 60



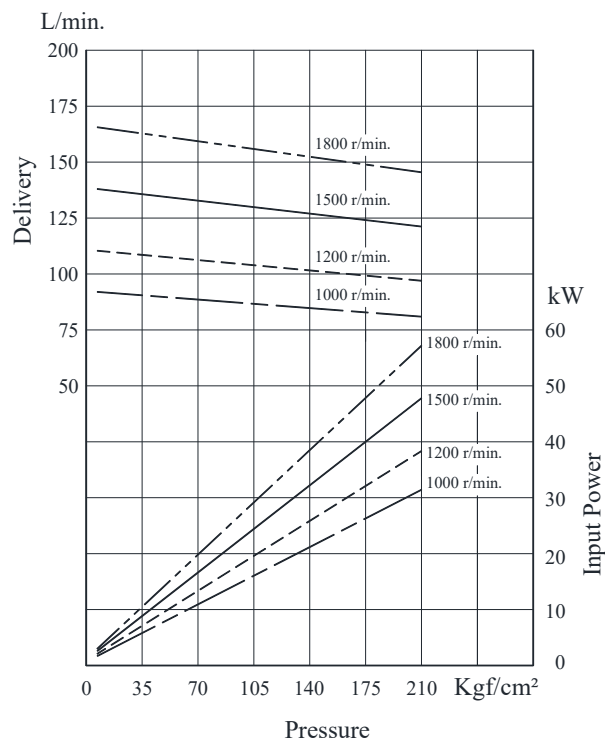
● PVR 150 - 70



● PVR 150 - 90

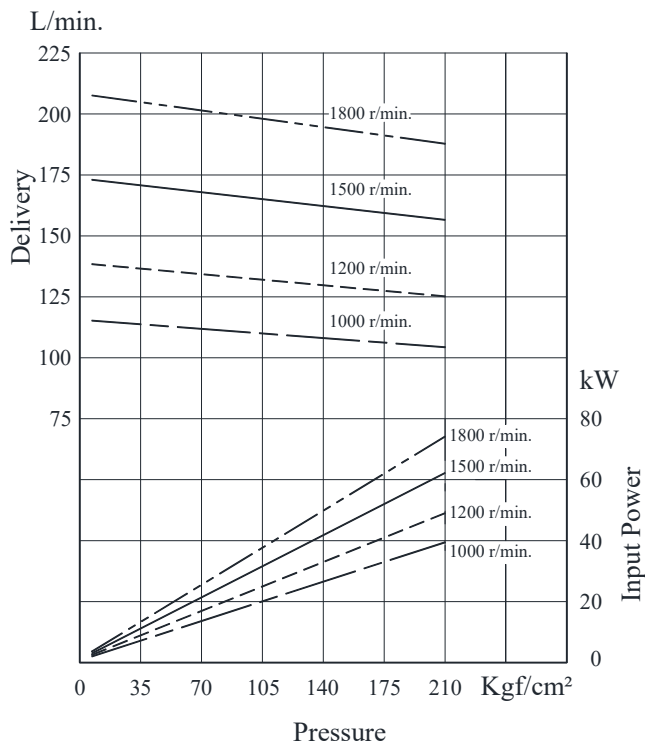


● PVR 150 - 110

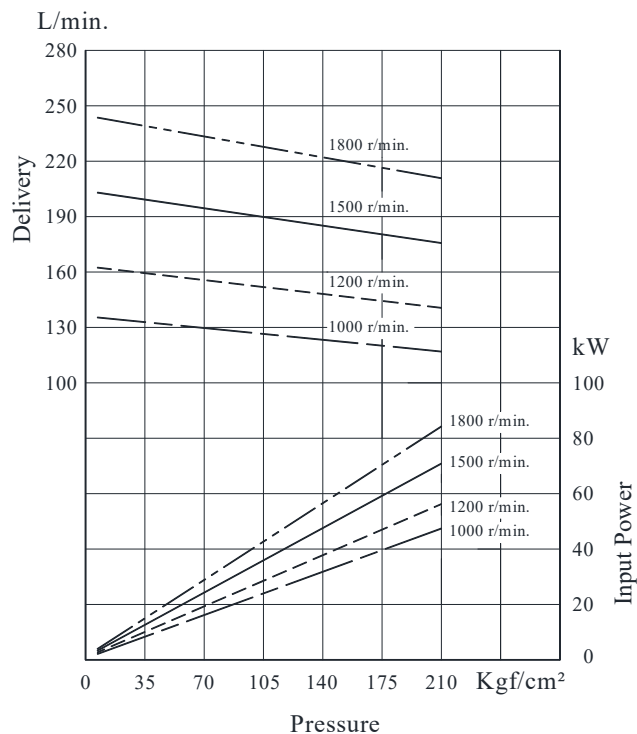


Typical Pump Characteristics Oil Viscosity 20 cSt [ISO VG 32, Temp 50⁰ C]

● PVR 150 - 140



● PVR 150 - 170



Spare Parts List

● List of Seals

Sl. No.	Name of Part	Part number	Qty.
1	O-Ring	SO-NA-G120Y	1
2	O-Ring	ARP568231	1
3	O-Ring	SO-NB-G125	1
4	Backup-Ring	JISW1516-G9	1
5	Backup-Ring	SO-BB-G120	1
6	Oil Seal	TC38558-7	1

Note: When ordering the seals, please specify the seal kit number KS-PVR150-3480.

Flanges

Note: Please refer page no. 749 for flange details.

Cartridge Kit Model Number

Pump Model Numbers	Cartridge Kit Number #
PVR1T-6-※-R※-2180	CPVR1T-06-R-20
PVR1T-10-※-R※-2180	CPVR1T-10-R-20
PVR1T-15-※-R※-2180	CPVR1T-15-R-20
PVR50-※-※-20-R※※-3280	CPVR50-20-R-31
PVR50-※-※-36-R※※-3280	CPVR50-36-R-31
PVR50-※-※-45-R※※-3280	CPVR50-45-R-31
PVR150-※-F-70-R※※-3580	CPVR150-70-R-33
PVR150-※-F-110-R※※-3580	CPVR150-110-R-33

1. For instructions regarding replacing cartridge kit, consult YUKEN INDIA LTD.

The above table does not include all combinations of cartridges available.

Only a few representative samples are shown.