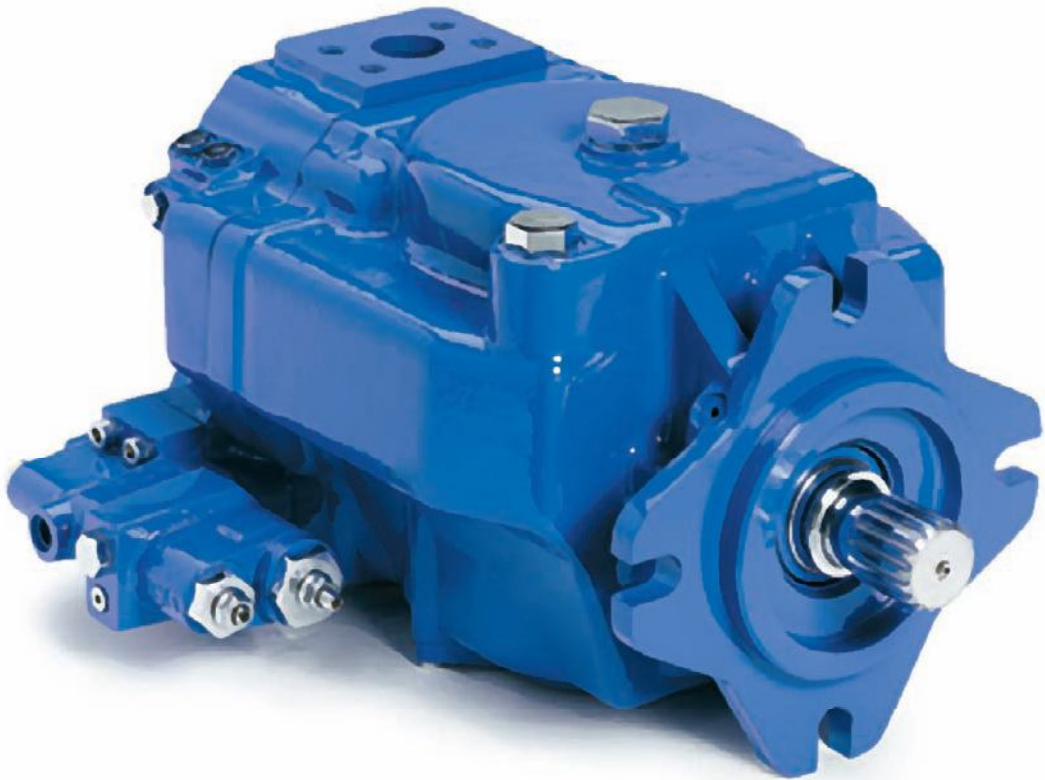


Vickers® PVH Piston Pumps

57-141 cc³
(3.5-8.6 in³)

H-Series
Industrial Variable
Displacement

H-Series
Mobile Variable
Displacement

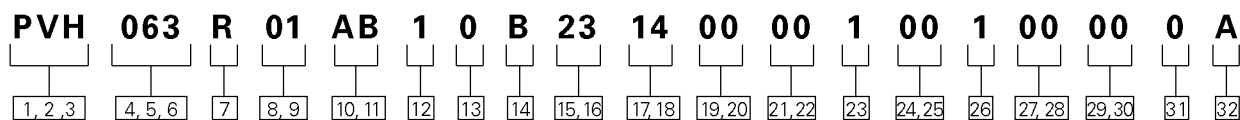


EATON

Powering Business Worldwide

Model Codes

PVH Piston Pump



1, 2, 3 **Pump Series**
PVH – PVH OC Piston Pump

4, 5, 6 **Displacement**
057 – 57.4 cm³/r [3.50 in³/r]
063 – 63.1 cm³/r [3.85 in³/r]
074 – 73.7 cm³/r [4.50 in³/r]
081 – 81.0 cm³/r [4.94 in³/r]
098 – 98.3 cm³/r [6.00 in³/r]
106 – 106.5 cm³/r [6.50 in³/r]
131 – 131.1 cm³/r [8.00 in³/r]
141 – 141.0 cm³/r [8.60 in³/r]

7 **Rotation**
R – Right-Hand Rotation (cw)
L – Left-Hand Rotation (ccw)

8, 9 **Front Mounting and Input Shaft**
01 – 4 Bolt C, 1-1/4 inch Dia. Keyed
02 – 4 Bolt C, 14T 12/24 DP Splined
03 – 4 Bolt C, 17T 12/24 DP Splined
04 – 4 Bolt C, 1-1/2 inch Tapered Shaft & Woodruff Keyway
05 – 4 Bolt C, 1-1/4 inch Dia. Tapered Keyed & 3/4-16 UNF-2A Ext Thread
08 – 2 Bolt B, 15T 16/32 DP Splined
0N – 4 Bolt M (ISO 125B4HW) with 32.1 (1.26) Dia Straight Keyed
10 – 4 Bolt C, 14T 12/24 DP Splined, 73.2 (2.88) Shaft Ext and 49.0 (1.93) Spline
13 – 4 Bolt C, 1-1/2 inch Dia Straight Keyed
16 – 4 Bolt C, 44.4 (1.75) Dia Straight Keyed
17 – 4 Bolt C, 1-1/4 in Dia Tapered Keyed & M20 x 1-1/2 in. Ext Thread

23 – 2 Bolt C, 17T 12/24 DP Splined Shaft
24 – 2 Bolt B 19T 24/48 DP Splined
30 – 4 Bolt C, 14T 12/24 DP Splined, 78.0 (3.07) Shaft Extension and 54.0 (2.12) Spline Length
51 – 2/4 Bolt C, 1-1/4 inch Dia Straight Keyed
52 – 2/4 Bolt C, 14T 12/24 DP Splined
53 – 2/4 Bolt C, 17T 12/24 DP Splined
58 – 2 Bolt B, 15T 16/32 DP Splined
60 – 2/4 Bolt C, 14T 12/24 DP Splined, 73.2 (2.88) Shaft Extension and 49.0 (1.93) Spline Length
62 – 2 Bolt C, 13T 8/16 DP Splined

10, 11 **Main Ports Size & Location**
AA – Side Ports; Suction 2 in. (Code 61) Pressure 1 in. (Code 61)
AB – Side Ports; Suction 2 in. (Code 61) - w/ M12 Threads; Pressure 1 in. (Code 61) - w/ M10 Threads
AC – Side Ports; Suction 2 in. (Code 61) - w/ M12 Threads; Pressure 1.25 in. (Code 61) - w/ M12 Threads
AD – Side Ports; Suction 2.5 in. (Code 61) w/ M12 Threads; Pressure 1 in. (Code 61) w/ M10 Threads

AE – Side Ports; Suction 2.5 (Code 61) w/ M12 Threads; Pressure 1.25 (Code 61) w/ M12 Threads
AF – Side Ports; Suction 2.5 in. (Code 61) ; Pressure - 1.25 in. (Code 62)
AG – Side Ports; Suction - 2.5 in. (Code 61) w/ M12 Threads; Pressure - 1.25 in. (Code 62) w/ M14 Threads
AH – Side Ports; Suction - 2.0 in. (Code 61) w/ M12 Threads; Pressure - 1.0 in. (Code 61) w/ M12 Threads
AJ – Side Ports; Suction 2.5 in. (Code 61); Pressure 1.0 in. (Code 61)
AL – Side Ports; Suction - 2.5 in. (Code 61); Pressure - 1.25 in. (Code 61)

12 **Drain Ports Size & Location**
1 – #8 SAE O-Ring Port - Bottom (Top Plugged)
2 – #8 SAE O-Ring Port - Top (Bottom Plugged)
3 – #10 SAE O-Ring Port - Bottom (Top Plugged)
4 – #10 O-Ring Port - Top (Bottom Plugged)
5 – #8 3/4-16 UNF-2B SAE O-Ring Port - Bottom (Top Plugged)
6 – #8 3/4-16 UNF-2B SAE O-Ring Port - Top (Bottom Plugged)
7 – #10 7/8-14 UNF-2B SAE O-Ring Port - Bottom (Top Plugged)
8 – #10 7/8-14 UNF-2B SAE O-Ring Port - Top (Bottom Plugged)

9 – #12 SAE O-Ring Port - Bottom (Top Plugged)
A – #12 SAE O-Ring Port - Top (Bottom Plugged)
B – M22 x 1.5 Metric O-Ring - Bottom (Top Plugged)
C – M22 X 1.5 Metric O-Ring - Top (Bottom Plugged)
F – Vertical Mount w/ G 1/2 BSPP - Bottom (Top Plugged)
G – Vertical Mount w/ G 1/2 BSPP - Top (Bottom Plugged)

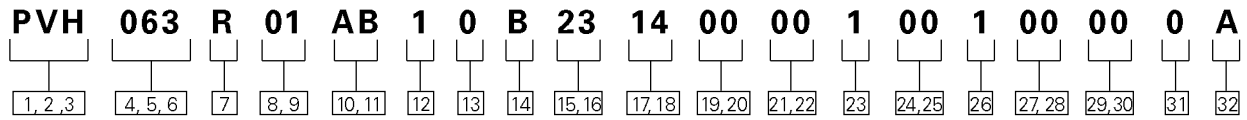
13 **Diagnostic Pressure Ports**
0 – No Diagnostic Pressure Ports

14 **Controller Type***
A – Pressure Compensator
B – Pressure And Flow Compensator
D – Pressure Compensator w/ Torque Sensing
E – Pressure And Flow Compensator w/ Torque Sensing
G – IC Pressure Compensator
H – IC Pressure and Flow Compensator
J – IC Pressure and Flow Compensator w/ Torque Sensing
K – Electronic Displacement Control
L – Electronic Displacement Control w/ Shuttle Valve
N – Pressure and Flow Compensator w/ Unload Valve

** Torque control is not available with case-to-inlet check valve. Specify "AA" Pump Special Features*

Model Codes

PVH Piston Pump



15,16 Pressure Comp. Setting
07 – 66-74 bar [957-1073 psi]
23 – 226-234 bar [3278-3394 psi]
25 – 246-254 bar [3568-3684 psi]
Other Settings Available by Request

17,18 Flow Compensator Setting
00 – No Flow Comp. Setting
14 – 13-15 bar [189-218 psi]
24 – 23-25 bar [334-363 psi]
AA – Unload Valve Standby 39-41 bar [334-363 psi]
Other Settings Available by Request

19,20 Torque Setting/ Other Comp.
00 – None
04 – 36-44 bar [522-638 psi]
14 – 136-144 bar [1973-2089 psi]
AA – Unload Valve 186.2-193 bar [2700-2800 psi]
 Reset 1578-164.6 bar [2288-2387 psi]
AB – Unload Valve 203.4-210.2 bar [2950-3050 psi]
 Reset 183-190 bar [2650-2748 psi]

21,22 Control Special Features
AB** – No Control Special Features
AA – Bleed Down Orifice 0.37 [.015] Ø
AR – Bleed Down Orifice 0.65 [.026] Ø
AV – 1.60 [.063] Ø Orifice (IC Control Only)
AW – 0.76 [.030] Ø Orifice (IC Control Only)

23 Maximum Displacement Option
1 – Standard Displacement (As given in code title)
2 – Adjustable Max Displacement (Set at Max)
F – Adjustable Max Displacement (Set at Max) w/ Extended Adjusting Screw
Other Settings Available by Request.

24,25 Auxiliary (Rear) Mount and Output Shaft
00 – No Auxiliary Mounting Features
AA – 2/4 Bolt C, 14T 12/24DP
AB – 2/4 Bolt B, 15T 16/32DP
AC – 2 Bolt A, 9T
AY – 2/4 Bolt B, 13T 16/32DP
AZ – 2/4 Bolt C, 17T 12/24DP
BA – 2 Bolt A, 11T 16/32DP

26 Shaft Seal
1 – Single, OneWay Shaft Seal, Viton®
3 – Single, OneWay Shaft Seal, Nitrile
5 – Double, TwoWay Shaft Seal, Viton®W/VHO Filter
6 – Double, TwoWay Shaft Seal, Nitrile W/VHO Filter

27,28 Pump Special Features
00 – No Pump Special Features
AA – No Case To Inlet Check Valve
AE – Q250 Valve Plate, No Case To Inlet Check Valve
AF – Q140 Valve Plate, No Case To Inlet Check Valve
AP – Pressure Lube Swashplate
AR – Pressure Lube Swashplate, No Case To Inlet Check Valve
SC – Q250 Valve Plate, Grooved Saddle Bearings, No Case To Inlet Check Valve
BH – Q250 Valve Plate, Pressure Lube Swashplate
BM – Q250 Valve Plate, Pressure Lube Swashplate, No Case To Inlet Check Valve
BR – Q140 Valve Plate, Grooved Saddle Bearings, No Case To Inlet Check Valve
29,30 Paint
00 – No Paint
01 – Blue Primer

31 Identification
0 – Standard

32 Design Code
A – First Design

Performance Data

Performance data is typical with SAE 10W anti-wear hydraulic oil at 50°C (120°F) and at zero pump inlet pressure, except where otherwise indicated.

Rated Characteristics of PVH Industrial Pumps*

Parameters	PVH057	PVH063	PVH074	PVH081	PVH098	PVH106	PVH131	PVH141
Geometric displacement, max. cm ³ /r (in ³ /r)	57,4 (3.5)	63,1 (3.85)	73,7 (4.5)	81,0 (4.94)	98,3 (6.0)	106,5 (6.50)	131,1 (8.0)	141,1 (8.60)
Rated pressure bar (psi)	250 (3625)†	230 (3300)†	250 (3625)†	230 (3300)†	250 (3625)†	230 (3300)†	250 (3625)†	230 (3300)†
Rated speeds in r/min at various inlet pressures								
127 mm Hg (5" Hg)	1500	1500	1500	1500	1500	1500	1200	1200
Zero inlet pressure	1800	1800	1800	1800	1800	1800	1500	1500
0,48 bar (7 psi)	1800	1800	1800	1800	1800	1800	1800	1800
Typical effective flow in l/min (USgpm) at 1500 r/min	83	102 (22)	140 (27)	186 (37)	186 (37)		(49)	
at 1800 r/min		98 (26)	125 (33)	170 (45)	170 (45)		223 (59)	

† In load sensing systems the compensator can be set at 280 bar (4060 psi).

* Industrial Valve Plates are specified in Pump Special Feature 'Q250' or 'Q140'

Ratings of PVH Industrial Pumps with Alternate Fluids

Parameters	Petroleum based	Polyol ester	Water glycol	HWBF(90-10) thickened
Max. pressure bar (psi)	250 (3625)	230 (3300)	172 (2500)	155 (2250)
Max. speed in r/min at:				
1,0 bar abs. (0 psi)	1800 ‡	1800	1800	1700
0,85 bar abs. (5" Hg)	1500 □	1500	1500	1500
Max. inlet temp. deg. C (deg. F)	93 (200)	65 (150)	50 (120)	50 (120)

‡ 1500 rpm for PVH131/141 only. □ 1200 rpm for PVH131/141 only.

Rated Characteristics of PVH Mobile Pumps ◊

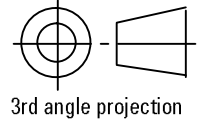
Parameters	PVH057	PVH063	PVH074	PVH081	PVH098	PVH106	PVH131	PVH141
Rated speeds in r/min at various inlet pressures								
127 mm Hg (5" Hg)	2000	2000	1850	1850	1750	1750	1650	1500
Zero inlet pressure	2400	2400	2200	2200	2100	2100	2000	2000
0,48 bar (7 psi)	3000	3000	2750	2750	2600	2600	2500	2500
Typical effective flow in l/min (USgpm) at 250 bar (3625 psi) and rated speed @ zero inlet pressure	134 (35)	146 (38)	156 (41)	172 (45)	202 (53)	216 (57)	249 (66)	272 (72)

◊ Displacements & rated pressure are same as for PVH*** industrial pumps.

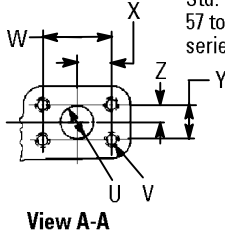
Installation Dimensions

Basic Pump with Pressure Compensator and Load Sense Controls

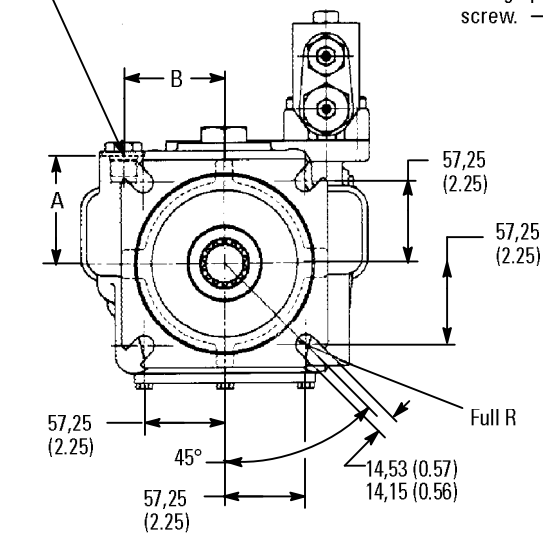
Dimensions in mm (inches)



Outlet port. SAE J518C 4-bolt flange.
Std. pressure (code 61) series for
57 to 98 sizes. High pressure (code 62)
series for 131 size.

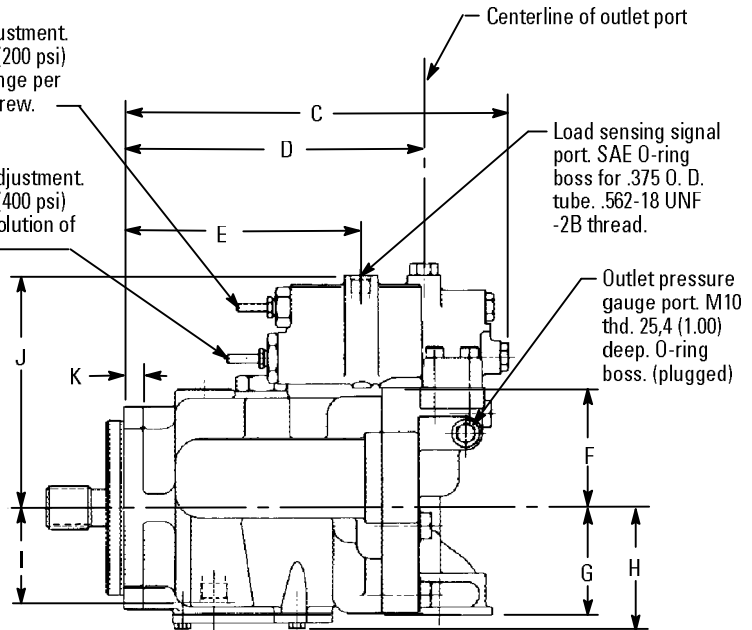


Optional drain port. For .500 O. D.
tube, .750-16 UNF-2B thread (PVH057
& 74). For .625 O. D. tube, .875-14
UNF-2B thread (PVH098 & 131).



Load sense adjustment.
Approx. 14 bar (200 psi)
differential change per
revolution of screw.

Compensator adjustment.
Approx. 28 bar (400 psi)
change per revolution of
screw.

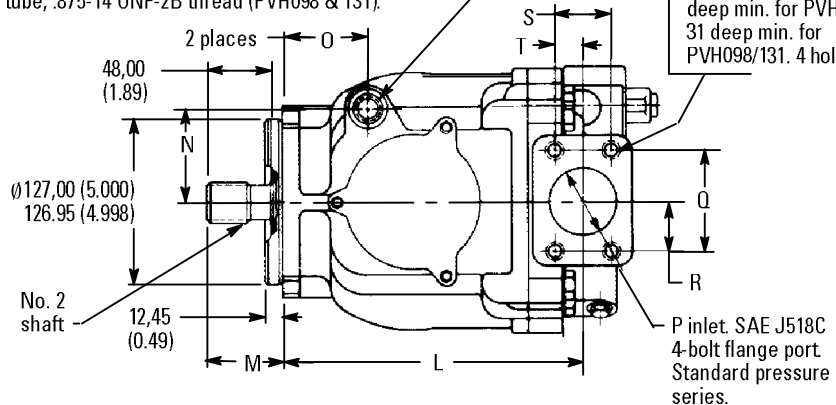


Drain port. SAE O-ring boss.
.500 O. D. tube, .750-16 UNF-2B thread (PVH057 & 074).
.625 O. D. tube, .875-14 UNF-2B thread (PVH098 & 131).

"F" model: .500-13 UNC
-2B thd. 1.06 deep min.
for PVH057/074. 1.19 deep
min. for PVH098/131.
4 holes.

"M" model: M12 thd. 29
deep min. for PVH057/074.
31 deep min. for
PVH098/131. 4 holes.

For shaft options and dimensions, see pages
16 and 17. Standard SAE pump mounting
flange shown; see page 26 for optional SAE
2-bolt/4-bolt and ISO flanges. See page 29
for shaft-up mounting option.



P inlet. SAE J518C
4-bolt flange port
Standard pressure
series.

Installation Dimensions

Basic Pump with Pressure Compensator and Load Sense Controls

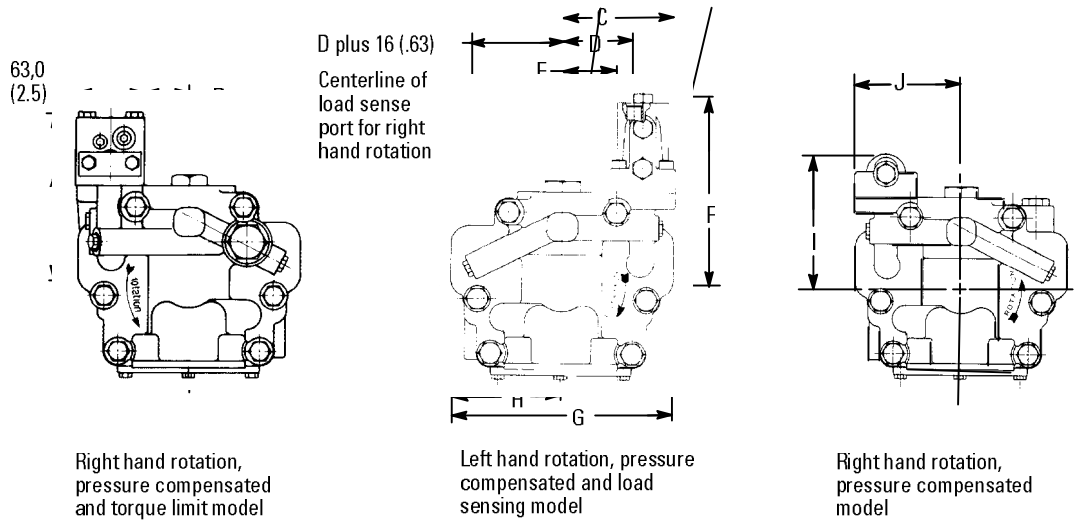
	A	B	C	D	E	F	G	H	I
PVH057	76,0	71,0	293,0	216,5	171,3	86,0	79,0	88,0	69,0
PVH063	(2.99)	(2.79)	(11.54)	(8.52)	(6.74)	(3.39)	(3.11)	(3.46)	(2.71)
PVH074	88,0	70,0	306,6	241,2	194,3	92,0	94,0	95,0	81,0
PVH081	(3.46)	(2.75)	(12.07)	(9.50)	(7.65)	(3.62)	(3.70)	(3.74)	(3.19)
PVH098	93,1	85,0	323,5	251,3	206,1	94,5	87,5	97,1	80,1
PVH106	(3.67)	(3.35)	(12.74)	(9.89)	(8.11)	(3.72)	(3.44)	(3.82)	(3.15)
PVH131	109,4	88,8	377,0	280,4	230,4	120,0	109,0	107,4	84,8
PVH141	(4.31)	(3.50)	(14.84)	(11.04)	(9.07)	(4.72)	(4.29)	(4.23)	(3.34)

	J	K	L	M	N	O	P	Q	R
PVH057	168,0	14,0	227,4	56,1	71,0	64,8	50,8	77,77	38,88
PVH063	(6.6)	(0.55)	(8.95)	(2.21)	(2.80)	(2.55)	(2.0)	(3.06)	(1.53)
PVH074	174,0	15,0	250,1	56,0	70,0	68,0	50,8	77,77	38,88
PVH081	(6.85)	(0.59)	(9.85)	(2.20)	(2.75)	(2.68)	(2.0)	(3.06)	(1.53)
PVH098	176,5	16,0	269,3	55,5	85,0	74,2	63,5	88,9	44,45
PVH106	(6.95)	(0.63)	(10.60)	(2.18)	(3.35)	(2.92)	(2.5)	(3.50)	(1.75)
PVH131	202,0	15,0	298,6	62,0	88,8	70,6	63,5	88,9	44,45
PVH141	(7.95)	(0.59)	(11.75)	(2.44)	(3.50)	(2.78)	(2.5)	(3.50)	(1.75)

	S	T	U	V	W	X	Y	Z
PVH057	42,88	21,44	25,4	M10x1,5	52,37	26,18	26,19	13,10
PVH063	(1.69)	(0.84)	(1.0)	(.375-16)	(2.06)	(1.03)	(1.03)	(0.52)
PVH074	42,88	21,44	25,4	M10x1,5	52,37	26,18	26,19	13,10
PVH081	(1.69)	(0.84)	(1.0)	(.375-16)	(2.06)	(1.03)	(1.03)	(0.52)
PVH098	50,8	25,4	25,4	M10x15	52,37	26,19	26,19	13,10
PVH106	(2.0)	(1.0)	(1.0)	(.375-16)	(2.06)	(1.03)	(1.03)	(0.52)
PVH131	50,8	25,4	31,75	M14x2,0	66,68	33,34	31,75	15,88
PVH141	(2.0)	(1.0)	(1.25)	(.500-13)	(2.63)	(1.31)	(1.25)	(0.63)

Installation Dimensions

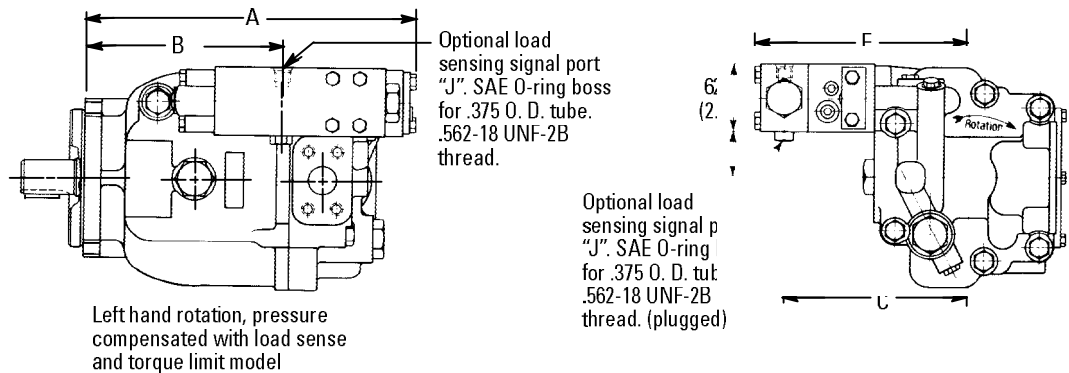
Basic Pump. Rear View with Various Controls



	A	B	C	D	E	F	G	H	I	J
PVH057	176,45	41,0	102,7	64,5	49,0	176,6	203,0	101,5	127,0	102,7
PVH063	(6.95)	(1.61)	(4.04)	(2.54)	(1.93)	(6.95)	(7.99)	(4.00)	(5.00)	(4.04)
PVH074	182,45	47,5	109,2	71,0	55,5	182,6	224,0	112,0	133,0	109,2
PVH081	(7.18)	(1.87)	(4.30)	(2.79)	(2.19)	(7.18)	(8.82)	(4.41)	(5.23)	(4.30)
PVH098	195,45	41,0	102,7	65,5	49,0	185,1	233,0	116,5	135,5	102,7
PVH106	(7.69)	(1.61)	(4.04)	(2.54)	(1.93)	(7.280)	(9.17)	(4.59)	(5.33)	(4.04)
PVH131	210,50	63,6	125,2	87,0	71,5	210,6	254,2	127,1	161,0	125,2
PVH141	(8.29)	(2.50)	(4.92)	(3.42)	(2.81)	(8.29)	(10.00)	(5.00)	(6.37)	(4.92)

*Add 16,0 (.63) to dimension D for right hand rotation model.

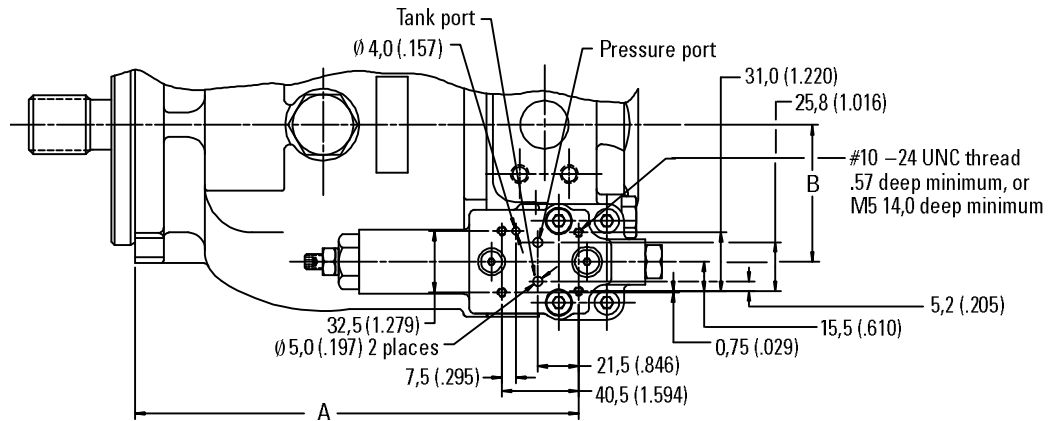
Pump with Pressure Compensation, Load Sense and Torque Limit Controls



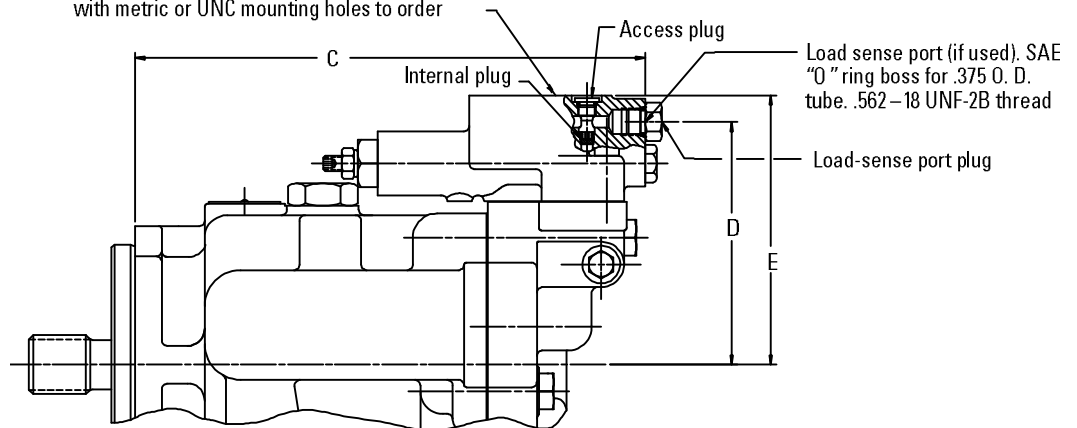
	A	B	C	D	E
PVH057	316,3	177,4	168,1	41,4	195,4
PVH063	(12.45)	(6.98)	(6.62)	(1.63)	(7.69)
PVH074	335,5	200,1	174,1	47,9	201,4
PVH081	(13.34)	(7.88)	(6.85)	(1.86)	(7.93)
PVH098	351,0	212,3	187,1	41,4	214,4
PVH106	(13.82)	(8.36)	(7.37)	(1.63)	(8.44)
PVH131	375,3	236,6	202,2	63,8	229,5
PVH141	(14.78)	(9.31)	(7.96)	(2.51)	(9.04)

Installation Dimensions

Pump with IC Compensator (Remotely Controllable Pressure Compensator, and Optional Load Sensing)



Control surface, ISO4401 size 03. Available with metric or UNC mounting holes to order



Pressure compensator:

Remove access plug, using 1/8 inch hex wrench. Remove internal plug, using 5/32 inch hex wrench. Replace access plug and torque to 12,1–12,4 Nm (107–110 lb. in.). Attach relief valve hardware (not supplied) to control surface. See page 15 for more details.

Pressure compensator with load sensing:

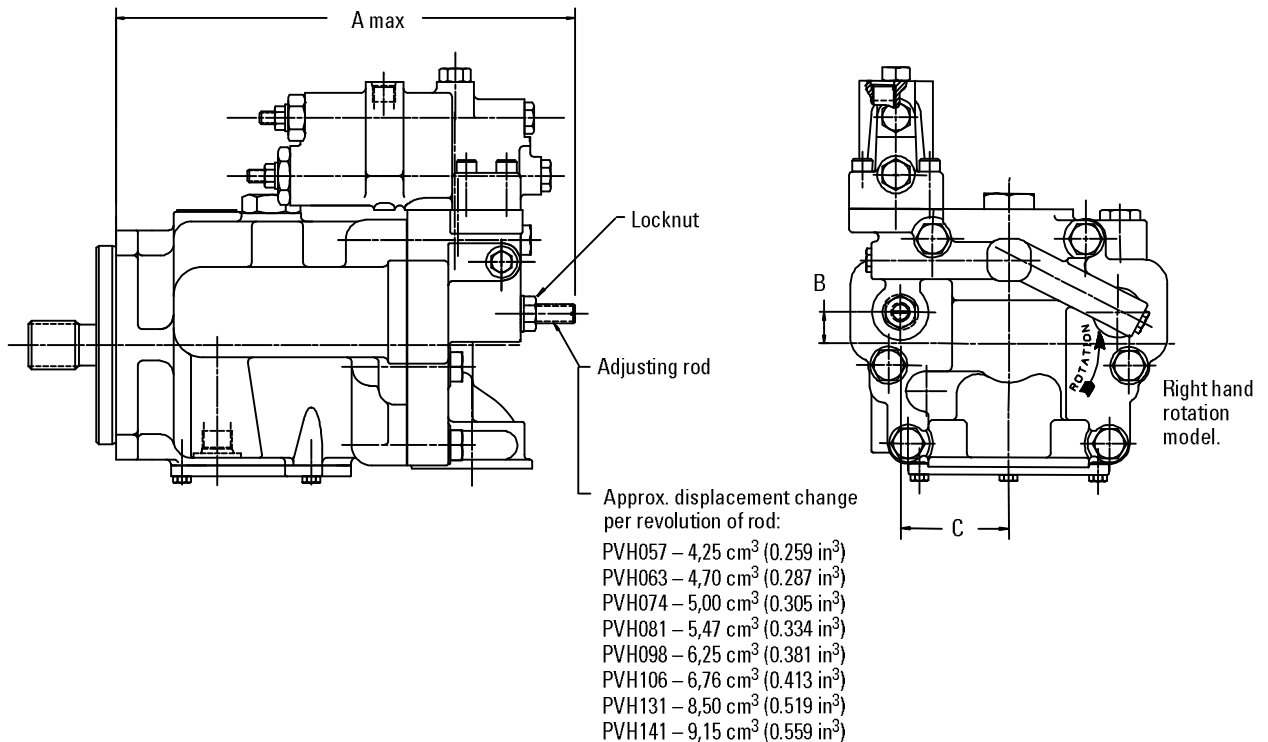
Remove load-sense port plug. (Internal plug must remain in place.) Attach line to load-sense port. Pressure decay rate of this line must not exceed 11 kbar/second (160 kpsi/second). Attach relief valve hardware (not supplied) to control surface. See page 15 for more details.

	A	B	C	D	E
PVH057	234,5	72,5	269,9	128,0	142,0
PVH063	(9.23)	(2.85)	(10.62)	(5.04)	(5.59)
PVH074	257,2	79,0	292,6	134,0	148,0
PVH081	(10.12)	(3.11)	(11.52)	(5.27)	(5.83)
PVH098	269,3	72,5	304,7	136,5	150,5
PVH106	(10.60)	(2.85)	(12.00)	(5.37)	(5.92)
PVH131	293,6	95,0	329,0	162,0	176,0
PVH141	(11.56)	(3.74)	(12.95)	(6.38)	(6.93)

Installation Dimensions

Pump with Adjustable Maximum Volume Stop

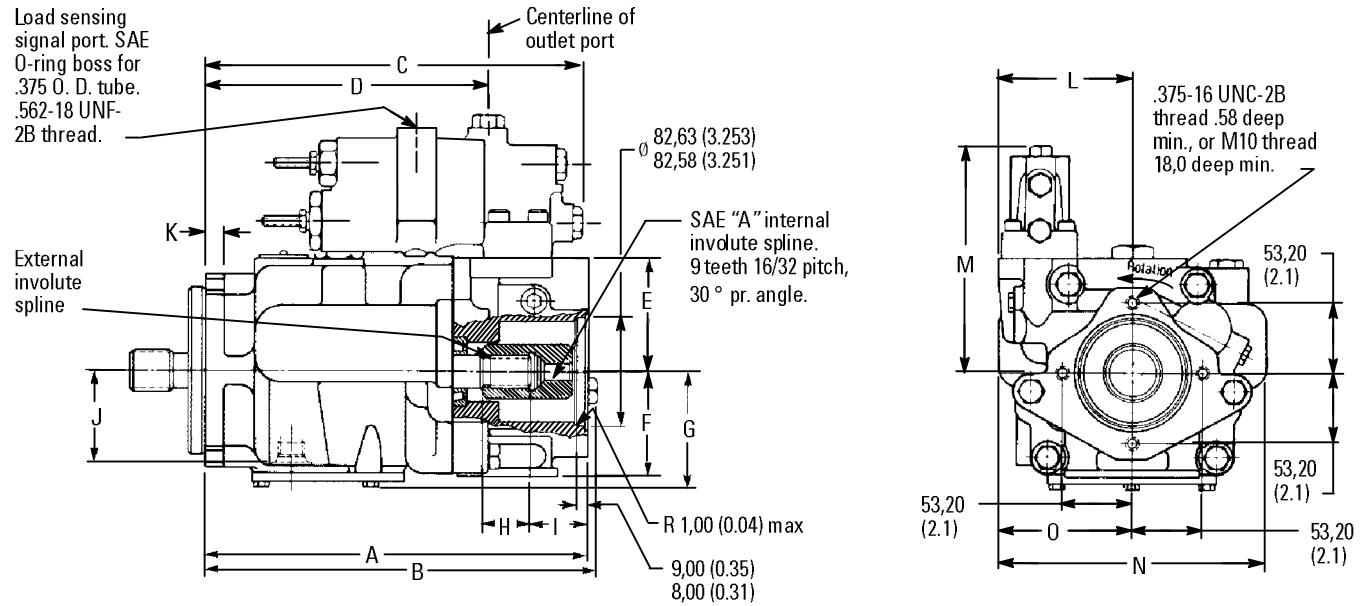
This option allows maximum pump delivery to be externally adjusted from 100 percent down to 25 percent. To assist initial priming, adjust stop to allow at least 40 percent of maximum delivery. Adjust by loosening locknut and turning adjusting rod clockwise to decrease maximum delivery, or counter-clockwise to increase maximum delivery. When desired setting is obtained, torque locknut to 25-50 Nm (18-36 lb. ft.).



	A	B	C
PVH057	293,0	20,0	69,5
PVH063	(11.53)	(.79)	(2.74)
PVH074	306,6	22,0	76,0
PVH081	(12.07)	(.87)	(2.99)
PVH098	323,5	27,5	81,0
PVH106	(12.74)	(1.08)	(3.19)
PVH131	377,0	37,5	88,8
PVH141	(14.84)	(1.48)	(3.50)

Installation Dimensions

Thru-drive Pumps with SAE "A" Rear Pad



For shaft options and dimensions, see page 16 and 17. See page 26 for optional cover for rear pad.

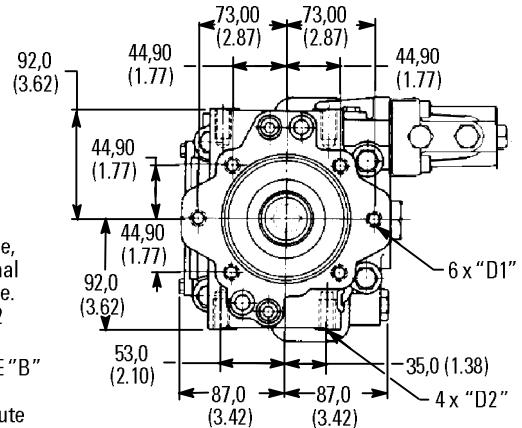
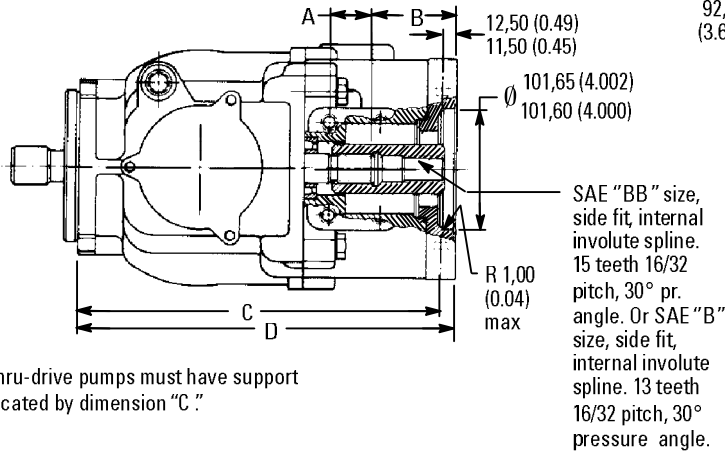
Note: The O-ring for sealing the rear mounting pad is furnished with the pump. The rear drive coupling shown must be ordered separately; see page 23.

	A	B	C	D	E	F	G	H
PVH057	287,9	295,4	275,8	216,4	86,0	79,0	88,0	36,4
PVH063	(11.3)	(11.6)	(10.86)	(8.52)	(3.38)	(3.11)	(3.46)	(1.43)
PVH074	310,6	318,1	300,5	241,2	92,0	94,0	95,0	38,5
PVH081	(12.23)	(12.52)	(11.83)	(9.50)	(3.62)	(3.70)	(3.74)	(1.51)
PVH098	322,8	N/A	312,7	251,3	94,5	87,5	97,1	33,0
PVH106	(12.71)		(12.31)	(9.89)	(3.72)	(3.44)	(3.82)	(1.30)
PVH131	347,1	N/A	337,0	280,4	120,0	109,0	107,4	35,3
PVH141	(13.660)		(13.27)	(11.04)	(4.72)	(4.29)	(4.23)	(1.39)

	I	J	K	L	M	N	O
PVH057	43,6	69,0	14,0	102,7	176,6	203,0	101,5
PVH063	(1.72)	(2.71)	(0.55)	(4.04)	(6.95)	(7.99)	(4.00)
PVH074	43,8	81,0	15,0	109,2	182,6	224,0	112,0
PVH081	(1.72)	(3.19)	(0.59)	(4.30)	(7.18)	(8.82)	(4.41)
PVH098	44,6	80,1	16,0	102,7	185,1	233,0	116,5
PVH106	(1.75)	(3.15)	(6.30)	(4.04)	(7.28)	(9.17)	(4.59)
PVH131	44,7	84,8	15,0	125,2	210,6	254,2	127,1
PVH141	(1.76)	(3.34)	(0.59)	(4.93)	(8.29)	(10.0)	(5.00)

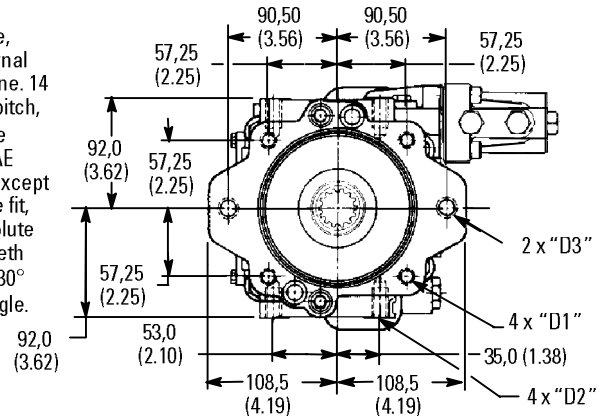
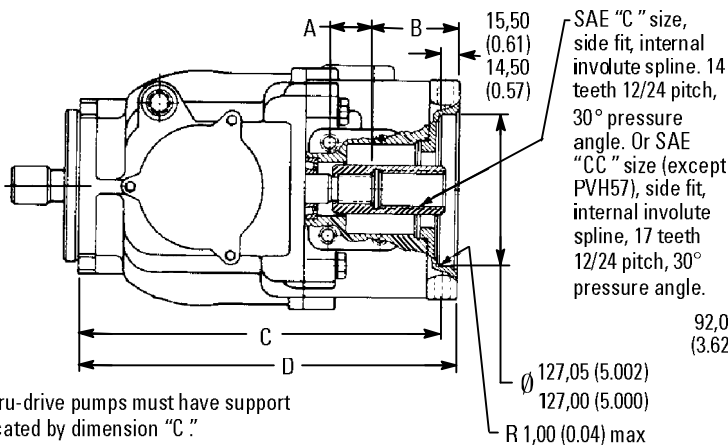
Installation Dimensions

Thru-drive Pumps with SAE "B" Rear Pad Adapter



SAE "B" rear mounting. Mounting pad is machined to accept AS568-155 O-ring. Mounting pad is connected to pump case and must be sealed.

Thru-drive Pumps with SAE "C" Rear Pad Adapter



SAE "C" rear mounting. Mounting pad is machined to accept AS568-159 O-ring. Mounting pad is connected to pump case and must be sealed.

Pump Model	A	B	C	D
PVH057	36,4	68,8	300,4	312,9
PVH063	(1.43)	(2.71)	(11.82)	(12.32)
PVH074	33,5	68,3	323,1	335,6
PVH081	(1.32)	(2.69)	(12.72)	(13.21)
PVH098	33,0	69,8	335,3	347,7
PVH106	(1.30)	(2.75)	(13.20)	(13.69)
PVH131	35,3	69,7	359,6	372,1
PVH141	(1.39)	(2.74)	(14.16)	(14.65)

	D1	D2	D3
Metric	M14x2,00	M12x1,75	M16x2,00
	25 deep	25 deep	25 deep
Inch	0.500-13	0.500-13	0.625-11
	UNC-2B	UNC-2B	UNC-2B
	1.0 deep	1.0 deep	1.0 deep

Note: The O-ring for sealing the rear mounting pad is furnished with the pump. The rear drive couplings shown must be ordered separately; see following page.

Installation Dimensions

Thru-drive Flange Kit and Shaft Coupling

Front Pump Model Series	SAE (J744) Mounting Flange for Rear Pump	Mounting Flange Adapter Kit Number*		Coupling Part Number**
		Metric Threads	Inch Threads	
PVH057	A (J744-82-2)	None required	None required	526682
PVH063	B (J744-101-2/4)	876394	876390	526694
	BB (J744-101-2/4)	876394	876390	526695
	C (J744-127-2/4)	876392	876389	526696
PVH074	A (J744-82-2)	None required	None required	864460
PVH081	B (J744-101-2/4)	876394	876390	864457
	BB (J744-101-2/4)	876394	876390	864459
	C (J744-127-2/4)	876392	876389	864458
	CC (J744-127-2/4)	876392	876389	864461
PVH098	A (J744-82-2)	None required	None required	877039
PVH106	B (J744-101-2/4)	876394	876390	877040
PVH131	BB (J744-101-2/4)	876394	876390	877044
PVH141	C (J744-127-2/4)	876392	876389	877045
	CC (J744-127-2/4)	876392	876389	877046

*The basic PVH thru-drive pump has an SAE "A" pad on the rear. An SAE "B" or "C" pad rear mounting requires flange adapters. Required adapters can be provided if specified in the pump model code. The best combination of price, availability and flexibility is achieved by ordering a PVH SAE "A" thru-drive model and the applicable PVH mounting flange adapter separately. For example, a PVH074C-RCF-3S-10-C25-31 may also be ordered as a PVH074C-RAF-3S-10-C25-31 and a 876389 flange adapter.

** Thru-drive shaft couplings must be ordered separately to drive the second pump.

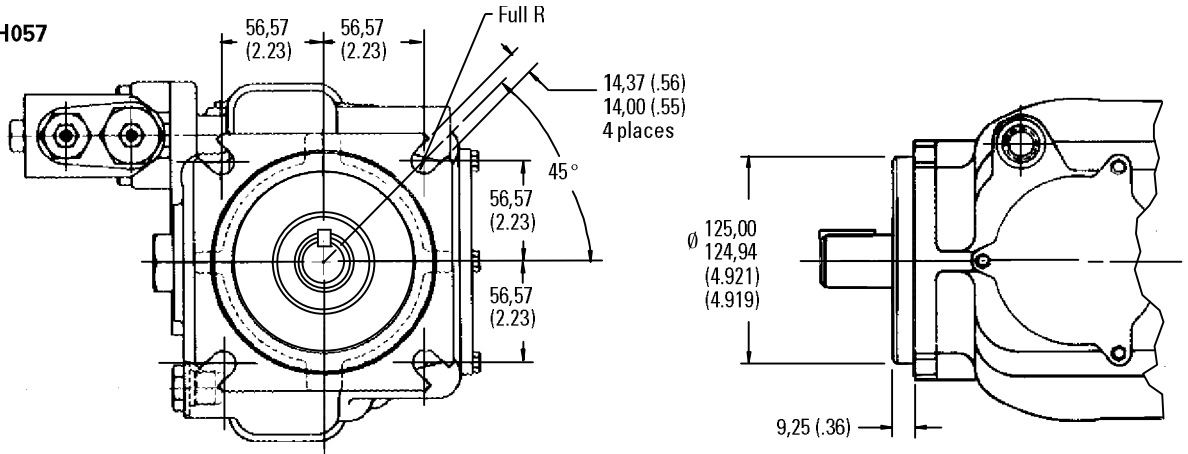
Typical Rear Pumps for Thru-drive Assemblies

Mounting	Piston pump Series	Shaft Code	Vane pump Series	Shaft Code
SAE A	PVQ10/13	3	V10	11
			V20	62
SAE B	PVQ20/32	3	20V	151
	PVQ40/45	3	25V	11
	PVE19/21	9	V2020	11
SAE BB	PVE19/21	2		
	TA19	2		
SAE C	PVH057/063	2	35V	11
	PVH074/081	2	352*V	11
	PVH098/106	2		
SAE CC	PVH131/141	3		

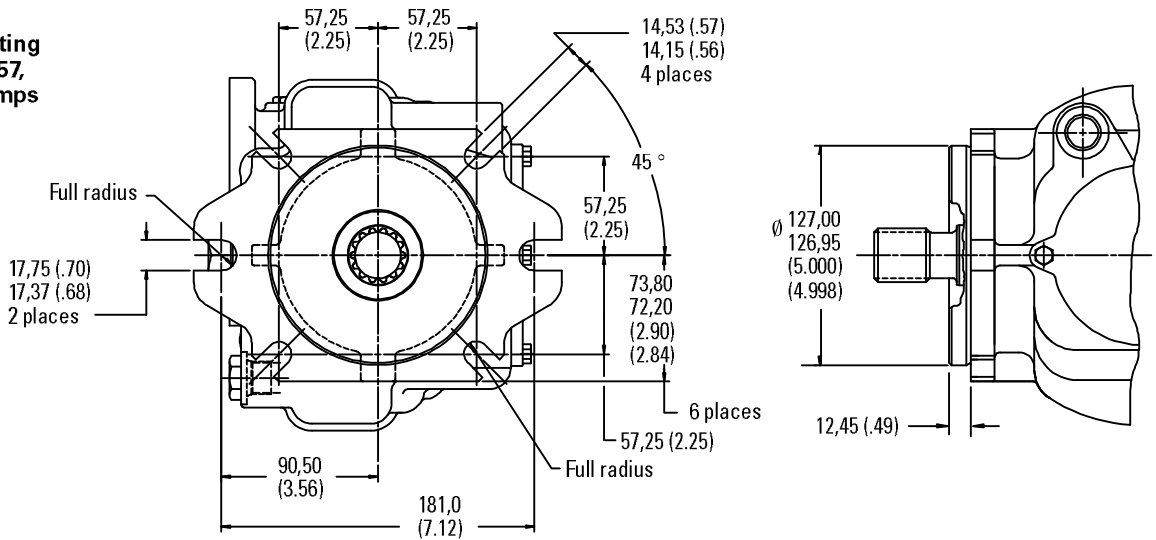
NOTE: The above Vickers pumps are examples of rear pumps for the thru-drive pumps dimensioned on pages 25 and 26. The thru-drive torque limits identified in the chart on page 16 must not be exceeded when applying these multiple pump systems.

Installation Dimensions

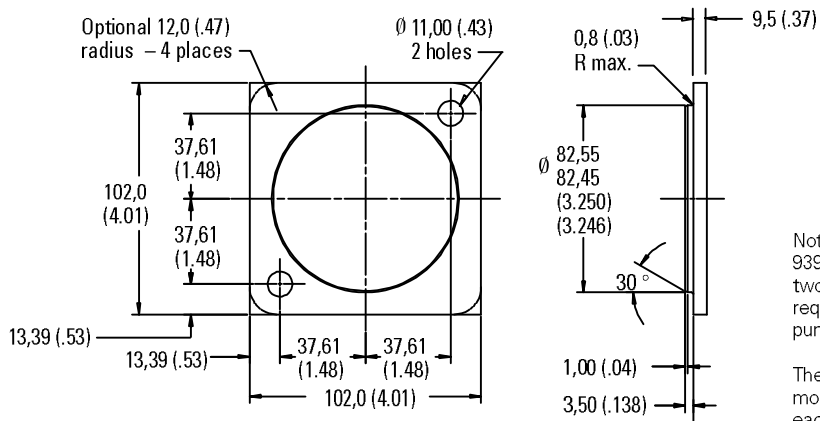
ISO 3019/2-125B4HW Mounting Flange for PVH057 and PVH074 Pumps



SAE 2-bolt/4-bolt Mounting ("027" Option) for PVH057, PVH074 and PVH098 Pumps



Cover ("031" Option) for Thru-drive SAE "A" Rear Mounting Flange



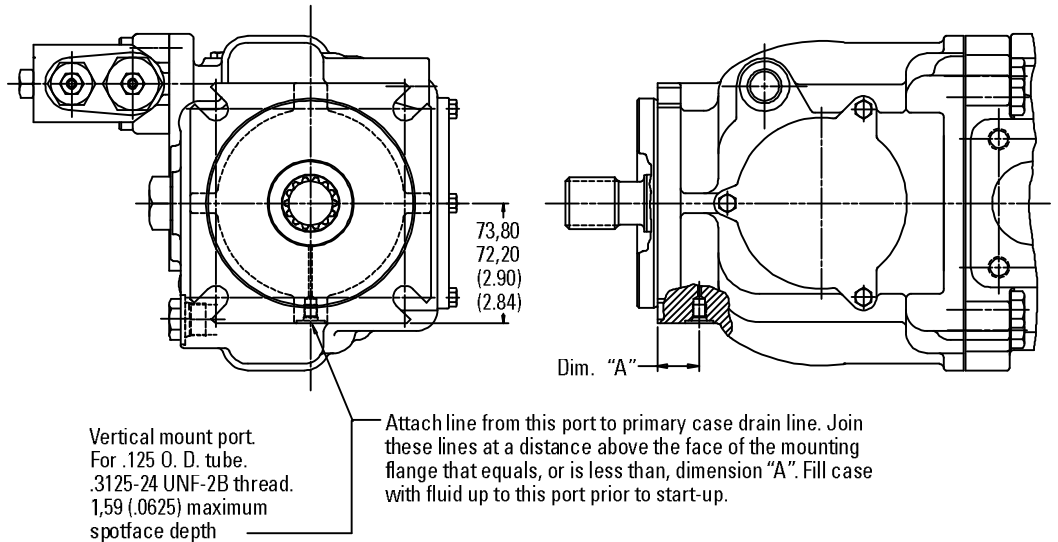
Note: When cover (part number 939790) is ordered as a separate part, two screws (part number 170177) are required to attach the cover to the pump's rear mounting flange.

The O-ring for sealing the rear mounting flange is furnished with each thru-drive pump.

Installation Dimensions

Pumps for Shaft-up Operation (Vertical Mount, "057" Option)

Model	Dim. "A"
PVH057	25,68/24,94
PVH063	(1.01/0.98)
PVH074	26,64/25,90
PVH081	(1.05/1.02)
PVH098	25,82/25,08
PVH106	(1.02/0.99)
PVH131	25,12/24,38
PVH141	(.99/0.96)



Model FB-C4-10 Foot Mounting Kit for All PVH Pumps

Each kit (part no. 02-143419) includes bracket shown and four screws for mounting to the pump. Kits are not included with pumps and must be ordered separately by model number.

