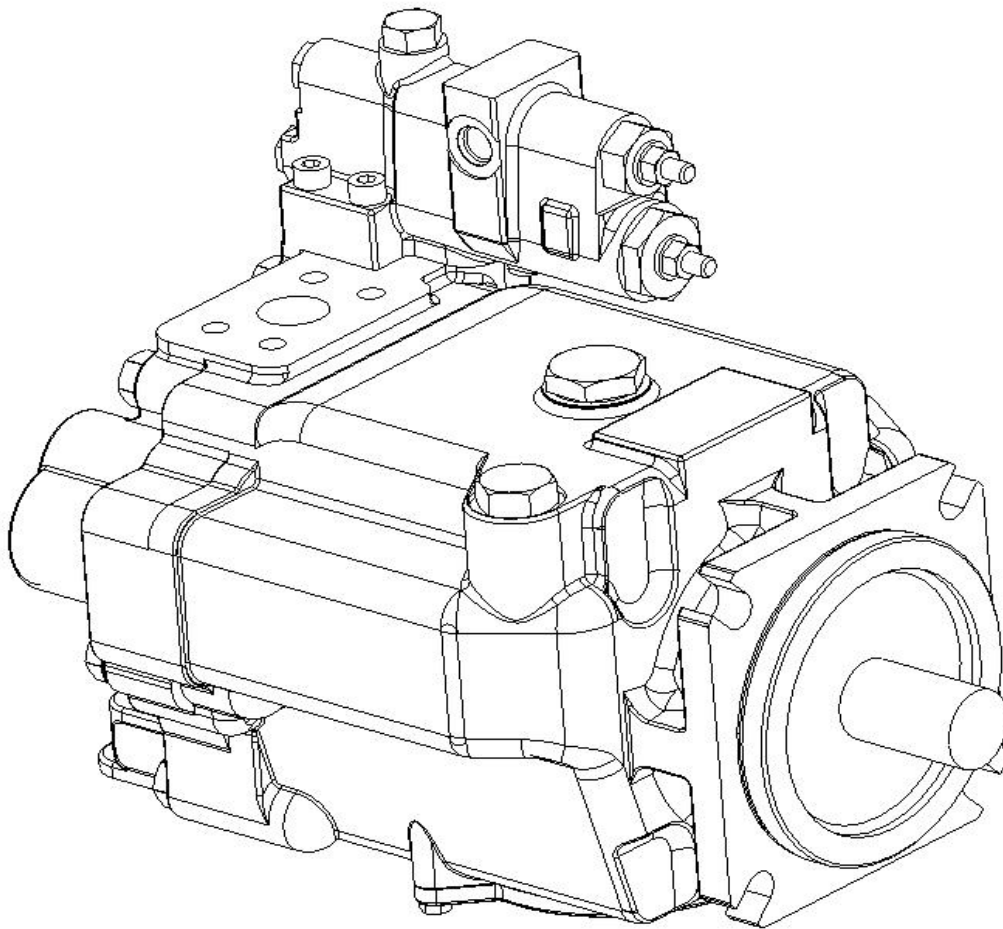




**PVH Open Circuit Piston Pump  
Model Codes**

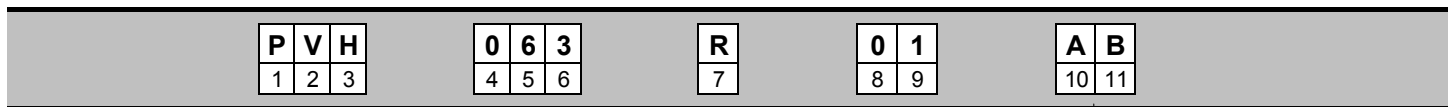
PVH057/063  
PVH074/081  
PVH098/106  
PVH131/141



# PVH Open Circuit Piston Pump Model Codes



The following 32 digit coding system has been developed to identify standard configuration options for the PVH Variable Displacement Pump. Use this code to specify a pump with the desired features. All 32-digits of the code must be present to release a new product number for ordering.



PUMP SERIES	
<b>PVH</b>	PVH OC Piston Pump

DISPLACEMENT	
<b>057</b>	57.4 cm <sup>3</sup> /r [3.50 in <sup>3</sup> /r]
<b>063</b>	63.1 cm <sup>3</sup> /r [3.85 in <sup>3</sup> /r]
<b>074</b>	73.7 cm <sup>3</sup> /r [4.50 in <sup>3</sup> /r]
<b>081</b>	81.0 cm <sup>3</sup> /r [4.94 in <sup>3</sup> /r]
<b>098</b>	98.3 cm <sup>3</sup> /r [6.00 in <sup>3</sup> /r]
<b>106</b>	106.5 cm <sup>3</sup> /r [6.50 in <sup>3</sup> /r]
<b>131</b>	131.1 cm <sup>3</sup> /r [8.00 in <sup>3</sup> /r]
<b>141</b>	141.0 cm <sup>3</sup> /r [8.60 in <sup>3</sup> /r]

ROTATION	
<b>R</b>	Right-Hand Rotation (cw)
<b>L</b>	Left-Hand Rotation (ccw)

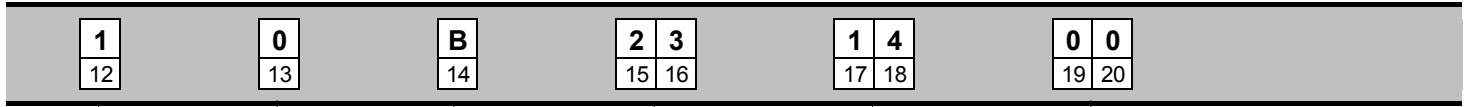
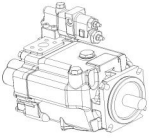
FRONT MOUNT AND INPUT SHAFT	
<b>01</b>	4 Bolt C (SAE J744-127-4) w/ $\varnothing$ 31.8 [1.25] Straight Key Shaft(Key Incl.), 56.0 [2.20] Shaft Ext
<b>02</b>	4 Bolt C (SAE J744-127-4) w/ 14T 12/24 DP Splined Shaft, 56.0[2.20] Shaft Ext
<b>03</b>	4 Bolt C (SAE J744-127-4) w/ 17T 12/24 DP Splined Shaft, 62.0 [2.44] Shaft Ext
<b>04</b>	4 Bolt C (SAE J744-127-4) w/ Tapered Shaft & Woodruff Keyway (Key Not Incl.)
<b>13</b>	4 Bolt C (SAE J744-127-4) w/ $\varnothing$ 38.1 [1.50] Straight Key Shaft (Key Incl.), 62.0 [2.44] Shaft Ext
<b>28</b>	4 Bolt C (SAE J744-127-4) w/ 17T Spline Shaft w/ 7/16 UNC Internal Threaded End
<b>33</b>	4 Bolt C (SAE J744-127-4) w/ $\varnothing$ 38.1 [1.50] Straight Woodruff Key Shaft (Key Incl.) 62.0 [2.44] Shaft Ext
<b>51</b>	2/4 Bolt C (SAE J744-127-2/4) w/ $\varnothing$ 31.8 [1.25] Straight Key Shaft (Key Incl.), 56.0 [2.20] Shaft Ext
<b>52</b>	2/4 Bolt C (SAE J744-127-2/4) w/ 14T 12/24 DP Splined Shaft, 56.0 [2.20] Shaft Ext
<b>53</b>	2/4 Bolt C (SAE J744-127-2/4) w/ 17T 12/24 DP Splined Shaft, 62.0 [2.44] Shaft Ext

MAIN PORTS SIZE & LOCATION	
<b>AA</b>	Side Ports; Suction - 2.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ 1/2-13 UNC-2B Threads; Pressure - 1.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ 3/8-16 UNC-2B Threads
<b>AB</b>	Side Ports; Suction - 2.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads; Pressure - 1.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M10 X 1.50 Threads
<b>AC</b>	Side Ports; Suction - 2.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads; Pressure - 1.250 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads
<b>AD</b>	Side Ports; Suction - 2.500 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads; Pressure - 1.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M10 X 1.50 Threads
<b>AE</b>	Side Ports; Suction - 2.500 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads; Pressure - 1.250 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads
<b>AF</b>	Side Ports; Suction - 2.500 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ 1/2-13 UNC-2B Threads; Pressure - 1.250 SAE 4-Bolt Split Flange Port High Pressure Series (Code 62) w/ 1/2-13 UNC-2B Threads
<b>AG</b>	Side Ports; Suction - 2.500 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads; Pressure - 1.250 SAE 4-Bolt Split Flange Port High Pressure Series (Code 62) w/ M14 X 2 Threads
<b>AH</b>	Side Ports; Suction - 2.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads; Pressure - 1.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ M12 X 1.75 Threads
<b>AJ</b>	Side Ports; Suction - 2.500 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ 1/2-13 UNC-2B Threads; Pressure - 1.000 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ 3/8-16 UNC-2B Threads
<b>AL</b>	Side Ports; Suction - 2.500 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ 1/2-13 UNC-2B Threads; Pressure - 1.250 SAE 4-Bolt Split Flange Port Standard Pressure Series (Code 61) w/ 7/16-14 UNC-2B Threads

\*\* Standard/Preferred Configurations

(Continued on Next Page)

# PVH Open Circuit Piston Pump Model Codes



↓

FLOW COMPENSATOR SETTING	
<b>00</b>	No Flow Comp. Setting
<b>14</b>	13-15 bar [189-218 lbf/in <sup>2</sup> ]
<b>24</b>	23-25 bar [334-363 lbf/in <sup>2</sup> ]
<b>AA</b>	Unload Valve Standby 39-41 bar [334-363 lbf/in <sup>2</sup> ]
<i>Other Settings Available by Request</i>	

↓

PRESSURE COMP. SETTING	
<b>07</b>	66-74 bar [957-1073 lbf/in <sup>2</sup> ]
<b>23</b>	226-234 Bar [3278-3394]
<b>25</b>	246-254 Bar [3568-3684]
<i>Other Settings Available by Request</i>	

↓

CONTROLLER TYPE	
<b>A</b>	Pressure Compensator
<b>B</b>	Pressure And Flow Compensator
<b>D</b>	Pressure Compensator w/ Torque Sensing
<b>E</b>	Pressure And Flow Compensator w/ Torque Sensing
<b>G</b>	IC Pressure Compensator
<b>H</b>	IC Pressure And Flow Compensator
<b>J</b>	IC Pressure And Flow Compensator w/ Torque Sensing
<b>K</b>	Electronic Displacement Control
<b>L</b>	Electronic Displacement Control w/ Shuttle Valve
<b>N</b>	Pressure And Flow Compensator w/ Unload Valve

↓

DIAGNOSTIC PRESSURE PORTS	
<b>0</b>	No Diagnostic Pressure Ports

↓

DRAIN PORTS SIZE & LOCATION	
<b>1</b>	.750-16 UNF-2B SAE O-Ring Port - Bottom (Top Plugged)
<b>2</b>	.750-16 UNF-2B SAE O-Ring Port - Top (Bottom Plugged)
<b>3</b>	.875-14 UNF-2B SAE O-Ring Port - Bottom (Top Plugged)
<b>4</b>	.875-14 UNF-2B SAE O-Ring Port - Top (Bottom Plugged)
<b>5</b>	Vertical Mount W/ .750-16 UNF-2B SAE O-Ring Port - Bottom (Top Plugged)
<b>6</b>	Vertical Mount W/ .750-16 UNF-2B SAE O-Ring Port - Top (Bottom Plugged)
<b>7</b>	Vertical Mount W/ .875-14 UNF-2B SAE O-Ring Port - Bottom (Top Plugged)
<b>8</b>	Vertical Mount W/ .875-14 UNF-2B SAE O-Ring Port - Top (Bottom Plugged)
<b>9</b>	1.0625-12 UN-2B SAE O-Ring Port -Bottom (Top Plugged)
<b>A</b>	1.0625-12 UN-2B SAE O-Ring Port -Top (Bottom Plugged)
<b>B</b>	M22 x 1.5 Metric O-Ring Port w/ Ridge - Bottom (Top Plugged)
<b>C</b>	M22 X 1.5 Metric O-Ring Port w/ Ridge - Top (Bottom Plugged)
<b>F</b>	Vertical Mount W/ G 1/2 Bspg Straight Thread Port - Bottom (Top Plugged)
<b>G</b>	Vertical Mount W/ G 1/2 Bspg Straight Thread Port - Top (Bottom Plugged)

↓

FORQUE SETTING / OTHER COMP.	
<b>00</b>	None
<b>04</b>	36-44 bar [522-638 lbf/in <sup>2</sup> ]
<b>14</b>	136-144 Bar [1973-2089 Lbf/In2]
<b>AA</b>	Unload Valve 186.2-193 bar [2700-2800 lbf/in <sup>2</sup> ] Reset 157.8-164.6 bar [2289-2387 lbf/in <sup>2</sup> ]
<b>AB</b>	Unload Valve 203.4-210.2 bar [2950-3050 lbf/in <sup>2</sup> ] Reset 182.7-189.5 bar [2650-2748 lbf/in <sup>2</sup> ]

**\*\* Standard/Preferred Configurations**

# PVH Open Circuit Piston Pump Model Codes



<b>0 0</b>	<b>1</b>	<b>0 0</b>	<b>1</b>	<b>0 0</b>	<b>0 0</b>	<b>0</b>	<b>A</b>
21 22	23	24 25	26	27 28	29 30	31	32

**CONTROL SPECIAL FEATURES**

<b>00**</b>	No Control Special Features
<b>AA</b>	Bleed Down Orifice 0.37 [.015] ∅
<b>AR</b>	Bleed Down Orifice 0.65 [.026] ∅
<b>AV</b>	1.60 [.063] ∅ Orifice (IC control Only)
<b>AW</b>	0.76 [.030] ∅ Orifice (IC control Only)

**MAXIMUM DISPLACEMENT OPTION**

<b>1</b>	Standard Displacement (As given in code title)
<b>2</b>	Adjustable Max Displacement (Set At Max)
<b>F</b>	Adjustable Max Displacement (Set At Max) w/ Extended Adjusting Screw

*Other Settings Available by Request*

**AUXILIARY (REAR) MOUNT AND OUTPUT SHAFT**

<b>00</b>	No Auxiliary Mounting Features
<b>AA</b>	2/4 Bolt C Adaptor (SAE J744-127-2/4) w/ 14T 12/24DP Internal Splined Coupling (ASA B5.15 1960)
<b>AB</b>	2/4 Bolt B Adaptor (SAE J744-101-2/4) w/ 15T 16/32DP Internal Splined Coupling (ASA B5.15 1960)
<b>AC</b>	2 Bolt A (SAE J744-82-2) w/ 9T 16/32DP Internal Splined Coupling (ASA B5.15 1960)
<b>AY</b>	2/4 Bolt B Adaptor (SAE J744-101-2/4) w/ 13T 16/32DP Internal Splined Coupling (ANSI B92.1A 1976)
<b>AZ</b>	2/4 Bolt C Adaptor (SAE J744-127-2/4) w/ 17T 12/24DP Internal Splined Coupling (ANSI B92.1A 1976)
<b>BA</b>	2 Bolt A (SAE J744-82-2) w/ 11T 16/32DP Internal Splined Coupling (ANSI B92.1A 1976)

**SHAFT SEAL**

<b>1</b>	Single, One-Way Shaft Seal, Fluorocarbon
<b>3</b>	Single, One-Way Shaft Seal, Nitrile
<b>5</b>	Double, Two-Way Shaft Seal, Fluorocarbon W/ VHO Filter
<b>6</b>	Double, Two-Way Shaft Seal, Nitrile W/ VHO Filter

**PAINT**

<b>00</b>	No Paint
<b>01</b>	Blue Primer

**PUMP SPECIAL FEATURES**

<b>00</b>	No Pump Special Features
<b>AA</b>	No Case To Inlet Check
<b>AE</b>	Q250 Valve Plate, No Case To Inlet Check Valve
<b>AF</b>	Q140 Valve Plate, No Case To Inlet Check Valve
<b>AP</b>	Pressure Lube Swashplate
<b>AR</b>	Pressure Lube Swashplate, No Case To Inlet Check Valve
<b>BC</b>	Q250 Valve Plate, Grooved Saddle Bearings, No Case To Inlet Check Valve
<b>BH</b>	Q250 Valve Plate, Pressure Lube Swashplate
<b>BM</b>	Q250 Valve Plate, Pressure Lube Swashplate, No Case To Inlet Check Valve
<b>BR</b>	Q140 Valve Plate, Grooved Saddle Bearings, No Case To Inlet Check Valve

**Design Code**

<b>A</b>	First Design
----------	--------------

**Identification**

<b>0</b>	Standard
----------	----------

# Standard Model Codes

MODEL CODES	ASSEMBLY #
PVH057R01AA10A070000002001AE010A	02-348028
PVH057R01AA10A25000000100100010A	877003
PVH057R02AA10A25000000100100010A	02-466471
PVH057R02AA10A250000001001AE010A	02-341159
PVH063R01AA10A230000001001AE010A	02-347028
PVH063R02AA10A070000002001AE010A	02-348230
PVH074R01AA10A070000001001AE010A	02-315216
PVH074R01AA10A250000001001AE010A	02-315214
PVH074R01AA10A25000000200100010A	02-152361
PVH074R02AA10A25000000100100010A	877008
PVH074R02AA10A25000000200100010A	02-334353
PVH098R01AJ30A070000001001AE010A	02-315302
PVH098R01AJ30A250000001001AE010A	02-315300
PVH098R01AJ30A250000002001AE010A	02-315298
PVH098R02AJ30A070000001001AE010A	02-341256
PVH098R02AJ30A25000000100100010A	877011
PVH098R02AJ30A25000000200100010A	02-315241
PVH131R02AF30A25000000100100010A	02-315606
PVH131R02AF30A250000001001AE010A	02-347755
PVH131R03AF30A07000000100100010A	02-143491
PVH131R03AF30A25000000100100010A	877456

Eaton  
 14615 Lone Oak Road  
 Eden Prairie, MN, 55344  
 USA  
 Tel: 952 937-9800  
 Fax: 952 974-7722  
 www.hydraulics.eaton.com

Eaton  
 20 Rosamond Road  
 Footscray  
 Victoria 3011  
 Australia  
 Tel: (61) 3 9319 8222  
 Fax: (61) 3 9318 5714

Eaton  
 Dr.-Reckeweg-Str. 1  
 D-76532 Baden-Baden  
 Germany  
 Tel: (49) 7221 682-0  
 Fax: (49) 7221 682-788

© 2005 Eaton Corporation  
 All rights reserved  
 Printed in USA  
 Document No. E-PUPI-TH002-E  
 November 2005

