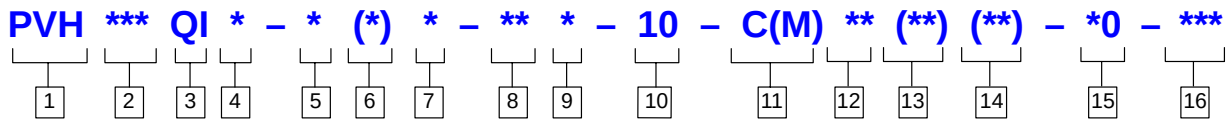
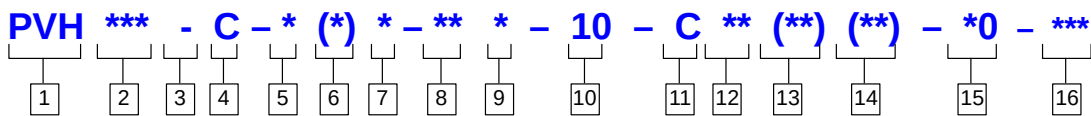


# Model Code

## Industrial pumps



## Mobile pumps



**1** Piston pump, variable displacement

**2** Maximum geometric displacement

57 = 57.4 cm<sup>3</sup>/r (3.5 in<sup>3</sup>/r)  
 74 = 73.7 cm<sup>3</sup>/r (4.5 in<sup>3</sup>/r)  
 98 = 98.3 cm<sup>3</sup>/r (6.0 in<sup>3</sup>/r)  
 131 = 131.1 cm<sup>3</sup>/r (8.0 in<sup>3</sup>/r)

**3** Industrial version

**4** Mounting flange, prime mover end

C = SAE "C" 4-bolt type  
 (SAE J744-127-4)  
 M = ISO 3019/2-125B4HW  
 (Option for PVH57QI and  
 PVH/74QI only)

**5** Shaft rotation, viewed at prime mover end

R = Right hand, clockwise  
 (Standard on QI models)  
 L = Left hand, counterclockwise  
 (Optional on QI models)

**6** Configuration

Blank = Non-thru-drive (single pump)  
 A = Thru-drive pump with SAE  
 "A" 2-bolt rear flange mounting  
 (SAE J744-82-2)  
 B = Thru-drive pump with SAE "B"  
 2- and 4-bolt rear flange  
 mountings\* (SAE J744-101-2/4)  
 C = Thru-drive pump with SAE  
 "C" 2- and 4-bolt rear  
 flange mountings♦ (SAE  
 J744-127-2/4)  
 S = Adjustable maximum volume  
 stop (non-thru-drive and  
 non-torque-control pumps only)

**7** Main ports

F = SAE 4-bolt flange pads  
 (standard)  
 M = SAE 4-bolt pads with metric  
 mounting bolt threads (PVH57 &  
 PVH74 only)

**8** Shaft-end type, at prime mover end

N = ISO 3014/2-  
 E32N Short straight  
 keyed  
 1 = SAE "C"  
 (J744-32-1) Straight  
 keyed  
 2 = SAE "C"  
 (J744-32-4) Splined 14 tooth  
 12/24 D.P.  
 3 = SAE "C"  
 (J744-38-4) Splined 17 tooth  
 12/24 D.P.  
 12 = SAE "D"  
 (J744-44-4) Splined 13 tooth  
 8/16 D.P.  
 13 = SAE "C"  
 (J744-38-1) Straight  
 keyed  
 16 = SAE "D"  
 (J744-44-1) Straight  
 keyed

**9** Shaft seal, prime mover end

S = Single, one-way (standard)  
 D = Double, two-way (optional)  
 Recommended on second pump  
 of tandem assembly  
 (PVH\*\*/ PVH\*\*)

**10** Pump design number

10 (Subject to change. Installation  
 dimensions unaltered for design  
 numbers 10 to 19 inclusive. )

**11** Pressure compensator adjustment range

C = 70-250 bar (1015-3625 psi)  
 (standard)  
 CM = 40-130 bar ((580-1885 psi)  
 (optional QI version)  
 IC = Industrial control  
 UV = Unloading valve control for  
 accumulator circuits

♦ Built from pump with SAE "A" rear pad to which suitable flange adapter is bolted. For best availability and flexibility, order PVH SAE "A" thru-drive pump and SAE "B" or "C" adapter kit separately.

**12** Pressure compensator factory setting in tens of bar

25 = Normal factory setting of 250  
 bar for "C" models.  
 7 = Normal factory setting of 70  
 bar for "CM" models.

**13** Additional control functions

Blank = No additional controls  
 V = Load sensing, 20 bar differential  
 pressure setting  
 T = Torque limiter  
 VT = Load sensing and torque limiter

**14** Torque limiter factory setting

\*\* = Customer desired torque limiter  
 setting specified in ten bar  
 (145 psi) increments, e.g.:  
 8 = 80 bar (1160 psi);  
 18 = 180 bar (2610 psi).  
 The torque setting range is from  
 30-80% of the specified  
 compensator setting.

**15** Control design number

31 = C, CM, or C\*\*V controls.  
 13 = C\*\*T controls  
 14 = C\*\*VT controls  
 10 = UV and IC controls

**16** Special features suffix

027= Composite 2-bolt/4-bolt mounting  
 conforming to SAE "C" (except  
 PVH131)  
 031= Thru-drive SAE "A" pad cover  
 041= No case-to-inlet relief (for use with  
 supercharged circuits)  
 057= Shaft-up operation (vertical mount)

▪ Torque restrictions apply to #2 shaft in PVH74 and 98 thru-drive, and PVH131 single and thru-drive, pumps. Vickers is not responsible for misapplied usage of these shafts. Please contact a Vickers representative for review of your application.

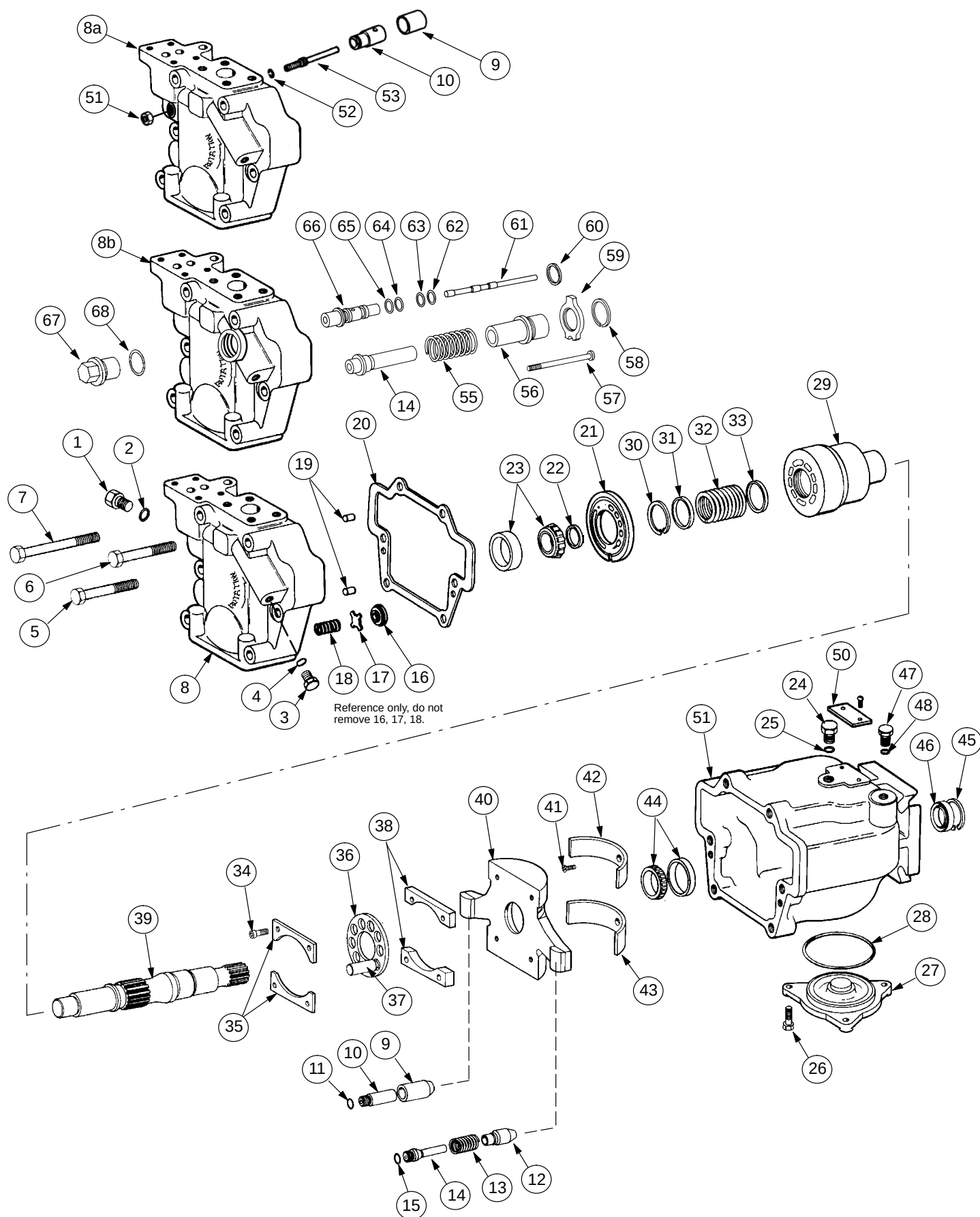


Figure 29: Exploded View of PVH Pump

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