NACHI

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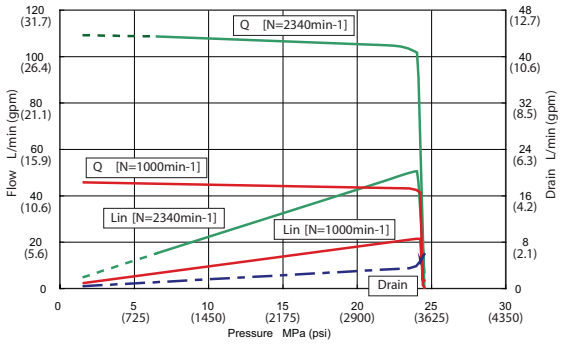
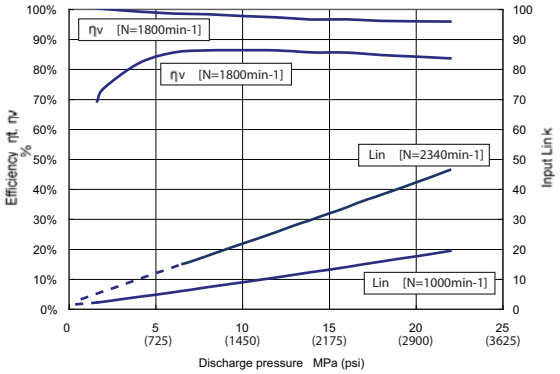
PVS-2B for Mobile Applications

Variable Displacement Piston Pump

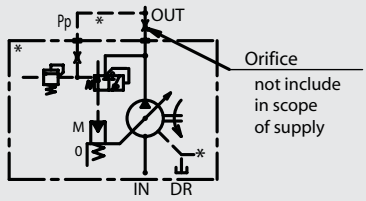
Pressure-Flow Volume Characteristics



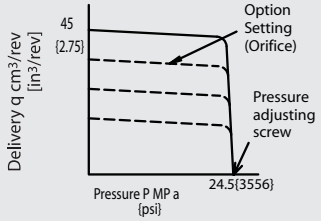
General Performance

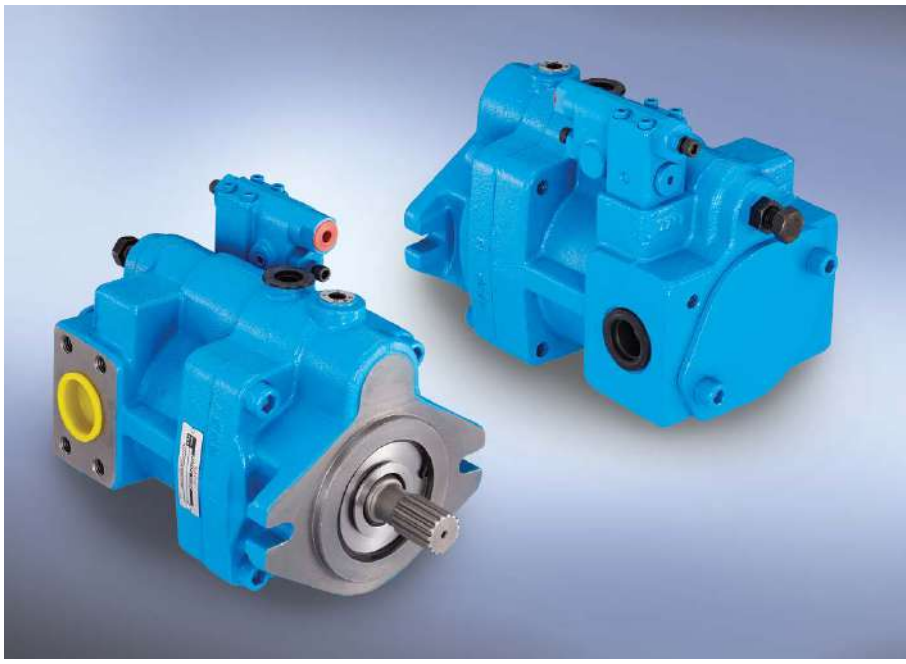


JIS Symbol



Pressure-Flow





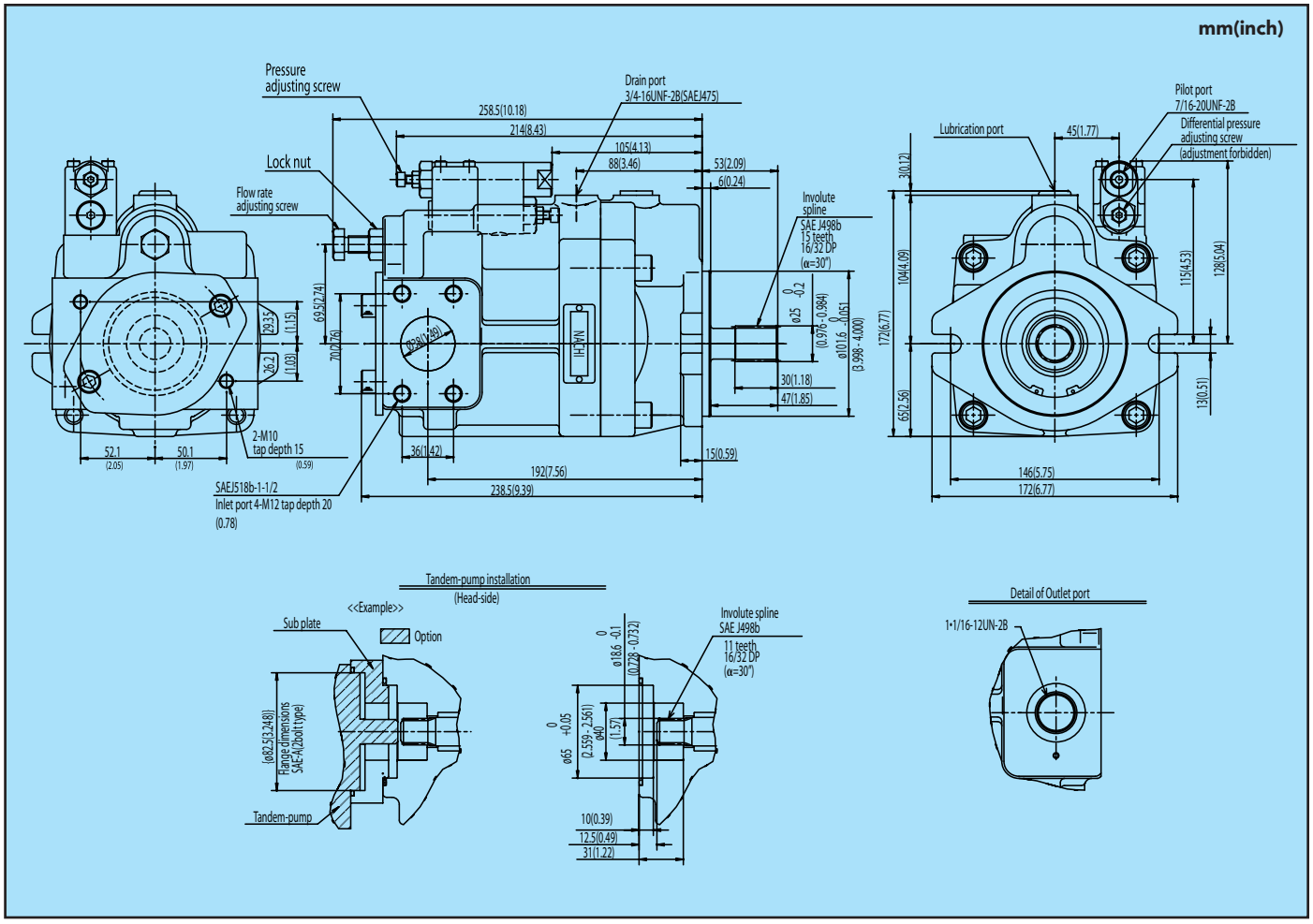
Features

- Low Noise and Low Pulsation Due to Use of 11 Pistons
- Load Sensing Control Type
- Flange Type Inlet Port (SEA J518b-1-1/2), Thread Type Outlet Port (1-1/16-12UN-2B)
- Tandem Pump Installation Is Possible (SAE A 2 Bolts Flange Mounting)
- Counter-Clockwise Direction of Rotation
- SAE B 2 Bolts Flange Mounting
- Shaft Dimension is 30° Involute Spline with **15T** and 16/32 Dp

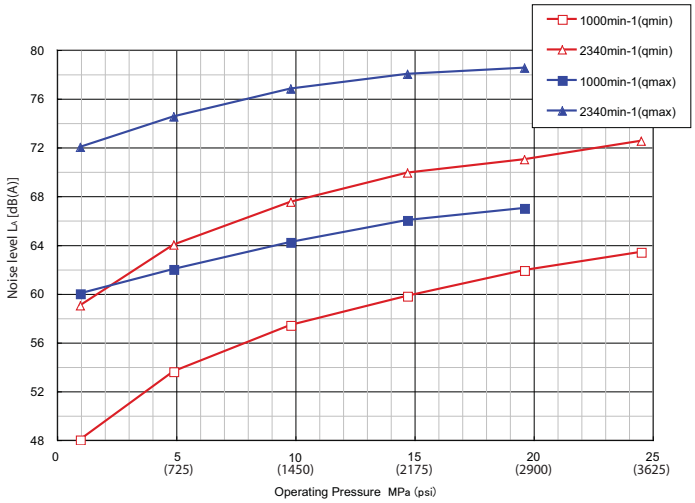
Specifications

Model	Max. Volume cm3/rev (in3/rev)	Pressure adjustment MPa (psi)	Permitted peak pressure MPa (psi)	Rotating speed min-1	Mass kg(lbs)
PVS-2B-45R3-L-E5127Z	45 (2.75)	2 (290) - 24.5 (3556)	29.4 (4267)	500 - 2340	25 (55.1)

Dimensional Drawings



Noise Characteristics



The noise characteristics depend on the installation floor base conditions and the presence of the surrounding substance reflecting the sound, and may therefore be different from the above description in some cases.

Measurement Conditions

- Noise characteristics
  Operating oil: ISO VG 46
  Oil temperature: 50°C (122°F)
  Place: anechoic chamber
  Microphone: 1m (3.3feet) from pump
- Other characteristics
  Operating oil: ISO VG 46
  Oil temperature: 70°C (158°F)

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