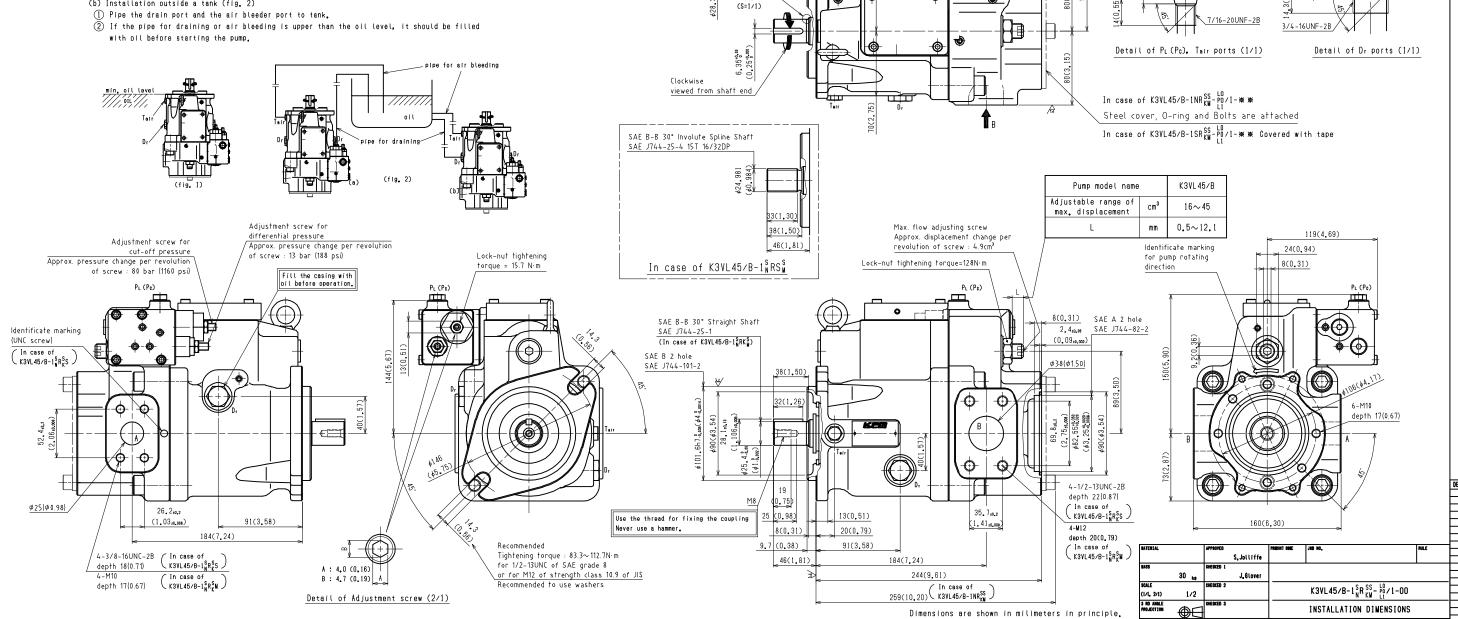
	Port name	Port size	On delivery	Tightening tarque (lbf•FT)
A	Delivery part	SAE J518C Std. pressure (code 61) 1"	Covered with tape	57 (42.0)
В	Suction port	SAE J5180 Std. pressure (code 61) 1 1/2**	Covered with tape	98 (72.3)
Dr	Drain port	SAE J1926/1 Straight thread O-Ring boss 1/2" O. D Tube 3/4-16UNF-2B	Attached with steel plug	98 (72.3)
P _L Pc	Load sensing port (Type LO,L1) Pressure control port (Type PO)	SAE J1926/1 Straight thread O-Ring boss 1/4 0. D Tube 7/16-20UNF-2B	Attached with steel plug	12 (8,8)
Tair	Air bleeder port	SAE J1926/1 Straight thread O-Ring boss 1/4" O. D Tube 7/16-20UNF-2B	Attached with steel plug	12 (8.8)

Notes on mounting and operation

- (1) The pump shaft and flange surfaces should be cleaned. Remove an anti-rust material.
- (2) Do not apply any form of axial loading to the pump shaft.
- (3) The uppermost drain port should be used and the drain piping should be so connected as to keep the casing filled with oil.
- (4) Keep the casing pressure below 1 bar (14 psi) normally, and below 4 bar (58 psi) at its peak.
- (5) Make sure the drain piping led into the oiltank is kept below the surface of the oil (to prevent airation).
- (6) Make sure the suction pressure in the suction flange is kept above 0 bar (0 psi) normally.
- (7) Mineral antiwear type hydraulic oil should be used.
- (8) For satisfactory service life of the pump in application, the operating fluid should be continuously filtered to a minimum cleanliness level of NAS1638 class 9 or 18/15 to ISO/DIS 4406.
- (9) Provide a 150 mesh ($100 \mu m$) strainer in the suction line.
- (10) Install a $10\,\mu\text{m}$ filter in the return line.
- (11) Allowable oil temperature range : $-20 \sim 95 \circ$.
- (12) Oil viscosity range : $10\sim1000$ cSt when $200\sim1000$ cSt, take warming up before real working,
- (13) Caution for the vertical mounting.
 - The oil level in the tank should be upper than the pump mounting flange, (fig. 1) if the oil level is lower than the pump level, forced lubrication should be made from the air bleeder port. (flow 1~2 l/min)
- (a) Installation within a tank
- 1 Open the drain port and the air bleeder port.
- (b) Installation outside a tank (fig. 2)



Operating specifications

45 (2.75)

320 (4600)

350 (5000)

2700 Clockwise viewed

K3VL45/B-1 SR KM - PO /1-00

from shaft end)

154(6.06)

For Type L1/1

Figures in parenthesis are shown in inches.

This orifice is pluged.

cm³ (in³)

min⁻¹

bar (psi)

bar (psi)

Displacement

priming speed

Rated pressure

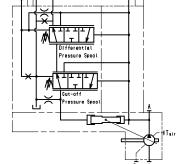
Peak pressure

Pump model name

1,5(0,06)

Max. self



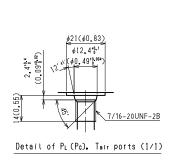


- ENERGED S - CHECKED S - DHESSED S - APPROVED -

Hydraulic circuit (Type L0/1, L1/1)

ressure Spo

Hydraulic circuit (Type PO/1)



ø30(ø1.18) ø20.6'8' (\$0.81 to 004)

INSTALLATION DIMENSIONS KL100097 30.11.2017 N_ Gothan

Kawasaki Precision M