		Port name	Port size	On delivery	Tightening N·m
@	A	Delivery port	SAE J518C High pressure (code 62) 1·1/2"	Covered with tape	235
@	В	Suction port	SAE J518C Std. pressure (code 61) 3"	Covered with tape	235
	Dr	Drain port	SAE J1926/1 Straight thread O-Ring boss 3/4" O. D Tube 1.1/16-12UN-2B	Attached with steel plug	167
	Pι	Load sensing port (Type LO, L1)	SAE J1926/1 Straight thread 0-Ring boss	Attached with steel plug	12
	Pc	Pressure control port (Type PO)	1/4" O. D Tube 7/16-20UNF-2B	Attached with steel plug	12
	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

## 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 ciltank is kept below the surface of the cil (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  $10\,\mu$  m filter in the return line.
- (11) Allowable oil temperature range : -20 $\sim$ 95°.
- (12) Oil viscosity range :  $10\sim1000$ cSt when  $200\sim1000$ cSt, take warming up before real working.
- 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  $1\sim2$  l/min)
- (a) Installation within a tank

(13) Caution for the vertical mounting.

- 1 Open the drain port and the air bleeder port.
- (b) Installation outside a tank (fig. 2)

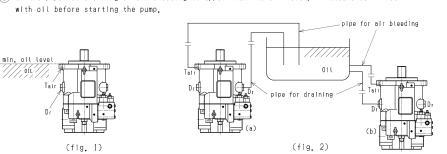
61.9±0.3

4-5/8-11UNC-2B (In case of K3VL200/B-1SLKS)

K3VL200/B-1%LKM-

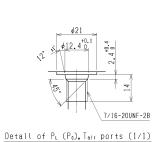
4-M16 depth 24 / In case of

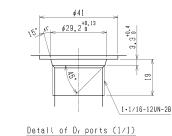
- 1) Pipe the drain port and the air bleeder port to tank.
- (2) If the pipe for draining or air bleeding is upper than the oil level, it should be filled





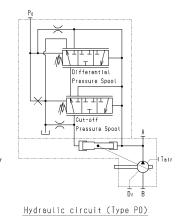
Cm3	200	
min <sup>-1</sup>	1900 <sup>( C.</sup> clockwise viewed from shaft end )	
MPa	32	
MPa	35	
	K3VL200/B-1 <sup>S</sup> L <sup>SS</sup> - P0 L1	
	mīn <sup>-1</sup> MPa	





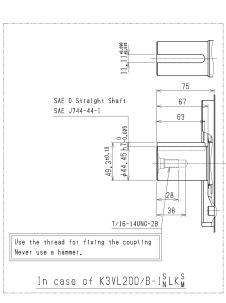
Hydraulic circuit (Type L0, L1)

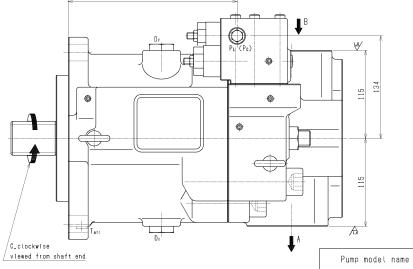
For Type L1 This orifice is pluged.



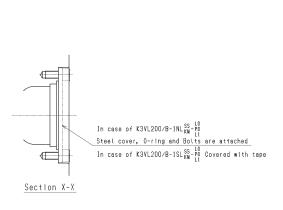
LATEST CHECKER OR ANN N. Yourmoto DIECKED 3 Y. Wito CHECKED 2 - DIECKED 1 K. Watsude APPROVED K. Ogeta

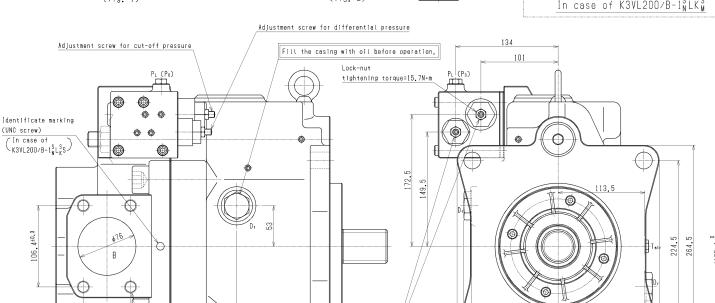
1. (A) x4 Revised





K3VL200





A : 4.0

Detail of

B : 4.7

adjustment screw (2/1)

123.3

\4-ø22 through

Recommended

264.5

Tightening torque: 367~496N·m for M20 of strength class 10.9 of JIS Recommend to use washers

123.3



 $\odot$ 

0

36.5±0.3

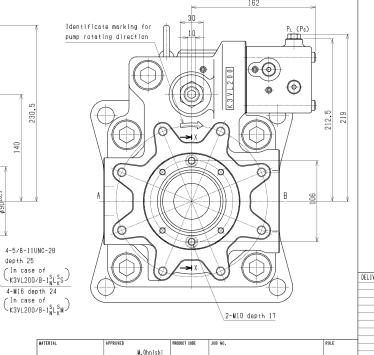
360 (In case of K3VL200/B-1NL SS KW

0

-

depth 25 (In case of

SAE



KPT Kawasaki Precision Machinery Ltd.

K3VL200/B-18L SS - PO

INSTALLATION DIMENSIONS

02430-4721A

K. Watsuda

1/2.5

Sep. 29, 2005

Involute Spline Shaft SAE J744-44-4 13T 8/16DP

16-0.5 26

122

SAE E : 4 hole

SAE J744-165-4