Pt Load sensing port of Pc Pressure control port Tair Air bleeder port (13) Caution for the vertical mounting. (12) Oil viscosity range :  $10\sim1000$ cSt when  $200\sim1000$ cSt, take warming up before real working (10) Install a 10μm filter in the return line. (8) For satisfactory service life of the pump in application, the operating fluid should be continuously filtered to a minimum cleanliness level of NASI638 class 9 or 18/15 to ISO/DIS 4406. (6) Make sure the suction pressure in the suction flange is kept above 0 bar (0 psi) normally.
(7) Mineral antiweer type hydraulic oil should be used. (3) The uppermost drain port should be used and the drain piping should be so connected as to keep the casing filled with oil. (9) Provide a 150 mesh (100  $\mu$ m) strainer in the suction line. (5) Make sure the drain piping led into the ciltank is kept below the surface of the cil (to prevent airation). (1) The pump shaft and flange surfaces should be cleaned. Remove an anti-rust material. (4) Keep the casing pressure below 1 bar (14 psi) normally, and (2) Do not apply any form of axial loading to the pump shaft. Notes on mounting and operation (a) installation within a tank

(b) installation outside a tank (fig. 2)

(c) installation outside a tank (fig. 2)

(d) Pipe the drain port and the air bleeder port to tank.

(e) If the pipe for draining or air bleeding is upper than the oil level, it should be filled 79.4±0.3 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  $1{\sim}2$  l/min) Load sensing port (Type LO,LI)
Pressure control port (Type PO) Drain port Suction port Delivery port with oil before starting the pump 36.5±0.3 Adjustment screw for cut-off pressure Φ Ф Ф 0 Ф • © • below 4 bar (58 psi) at its peak. 4-5/8-IIUNC-28 (În case of ABPER)
depth 25 (K3VL200/8-INRS)
4-W16 depth 24 (K3VL200/8-INRSW) 0 SAE J0586 Sed, pressure (code 81) 1-1/2" Covered with tapo
SAE J0592-5 Steinjen thread G-Birma boss Atteched with steat plug
3/m (D. 10mb :1-10-1200-20
SAE J0592-5 Steinjen thread G-Birma boss Atteched with steat plug
1/m (D. 10mb :17-0-2006-20
1/m (D. 10mb :17-0-2006-20
1/m (D. 10mb :17-0-2006-20
1/m (D. 10mb :17-0-2006-20 SAE J5180 High pressure (code 62) 3" Adjustment screw for differential pressure Fill the casing with oil before operation. Covered with tape (fig. 2) tightening torque=15.7N·m Detail of adjustment screw (2/1) 8: 4.0 A 149.5 Tightening N.m 167 235 235 12 6 123.3 Recommended Tightening torque : 357∼495N⋅n for W2O of strength class IO,9 of JIS Recommend to use washers 4-¢22 through Max. self priming speed Pump model name Peak pressure Rated pressure Displacement Operating specifications Use the thread for Never use a hammer. 0 In case of K3VL200/B-1NRKN SAE D Straight Shaft SAE J744-44-1 123.3 fixing the coupling ⊒. ⊃\_ MРа MPa C∭3 7/16-14UNC-2B ∮44.45 h7-K3VL200/B-1NR SS-10 35 32 200 SAE D 30° Involute Spline Shaft SAE J744-44-4 13T 8/16DP 1900 (Clockwise viewed from shaft end 224.5 264.5 ∮165.1-0.05 SAE E : 4 hole SAE J744-165-4 ø154 \$44.447 vlewed from shaft end Detail of Pt (Po), Tair ports (1/1) 16-0.5 7/16-20UNF-2B K3 V L 2 0 0 Lock-nut tightening torque=235N·m Nax, flow adjusting screw Approx, displacement change p revolution of screw : ii.5cm<sup>3</sup> 359 360 (K3VL200/B-1NRKW) Detail of Dr ports (1/1) Φ 1-1/16-12UN-2B Adjustable range of cm<sup>3</sup> Pump model name SAE A 2 hote SAE J744-82-2 (In case of K3VL200/B-IN/RS)
4-N16 depth 24
(In case of K3VL200/B-IN/RS) This orifice is pluged. Hydraulic circuit (Type LO, L1) 230.5 mm S RD ANGLE PROJECTION Sep. 09, 2005 15.8~25.3 K3VL200/B 100~200 103 kg # 1/2.5 Section X-X E GENCED 3 Kawasaki Precision Machinery Ltd. W. Ohnish Y, Mito In case of K3VL2DD/B-INR SS = 0 Steel cover, 0-ring and Bolts are attached In case of K3VL2DD/B-ISR SS = 0 Overed with tape Hydraulic circuit (Type PO) INSTALLATION DIMENSIONS K3VL200 2-N10 depth 17 K3VL200/B-18R8S-F0 (6) • 02430-4696 212.5