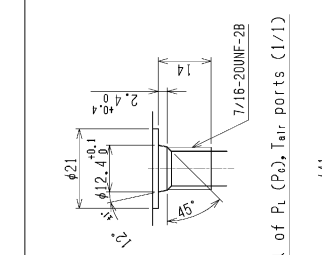


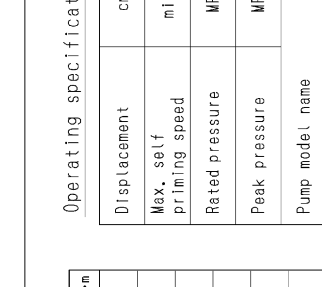
Surface roughness (Ra)	0.8 (0.32)
2.5 (0.1)	0.4 (0.16)
1.25 (0.05)	0.2 (0.08)
0.63 (0.025)	0.1 (0.04)
0.32 (0.0125)	0.05 (0.02)
0.16 (0.0063)	0.025 (0.01)
0.08 (0.0032)	0.0125 (0.005)

The recommended pressure supplied to P_{sv} is 4MPa.
(The minimum pressure should be 3.0MPa.)



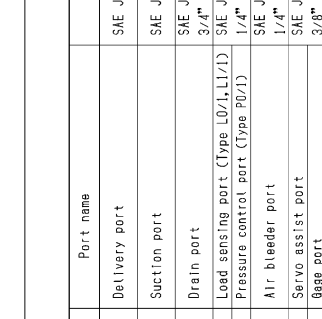
For Type LI/1
This orifice is plugged.

The recommended pressure supplied to P_{sv} is 4MPa.
(The minimum pressure should be 3.0MPa.)



In case of K3YL200/B-1SR/SS/LO
Steel cover, O-ring and Bolts are attached
In case of K3YL200/B-1SR/SS/LO
Covered with tape

Hydraulic circuit (Type PD/1)



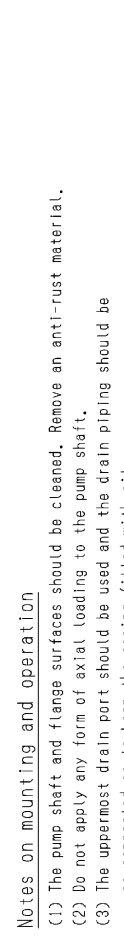
Section X-X

Adjustable range of max. displacement

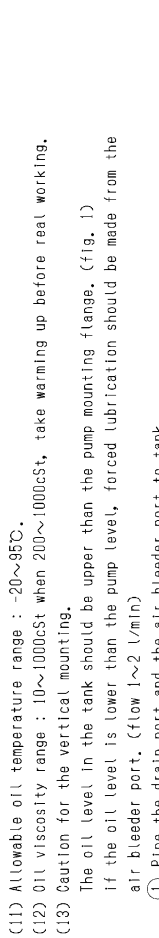
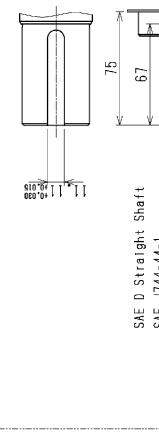
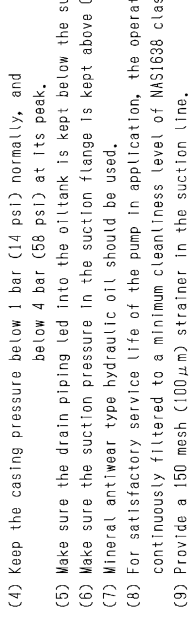
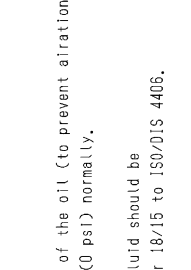
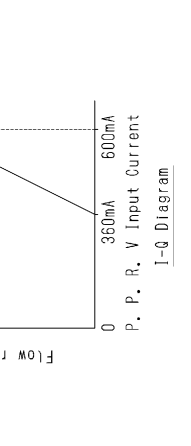
Displacement	200
Max. self priming speed	1900 (Clockwise viewed from shaft end)
Rated pressure	32
Peak pressure	35
Pump model name	K3YL200/B-1SR/SS/LO NR/P/1-E0

Port name	Port size	On delivery	Tightening torque
A	SAE J518C High pressure (Code 62) 1-1/2"	Covered with tape	235
B	SAE J518C Std. pressure (Code 61) 3"	Covered with tape	235
Dr	SAE J1926/1 Straight thread O-ring boss 3/4" 0.0 Tube 1-1/16-12UN-2B	Attached with steel plug	167
P _{sv}	SAE J1926/1 Straight thread O-ring boss 1/4" 0.0 Tube 7/16-20UNF-2B	Attached with steel plug	12
T _{air}	SAE J1926/1 Straight thread O-ring boss 1/4" 0.0 Tube 7/16-20UNF-2B	Attached with steel plug	12
P _{sv}	SAE J1926/1 Straight thread O-ring boss 3/8" 0.0 Tube 9/16-18UNF-2B	Attached with vinyl plug	45

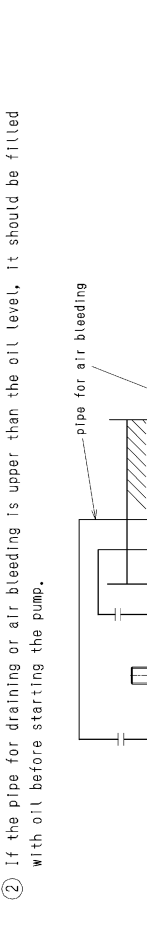
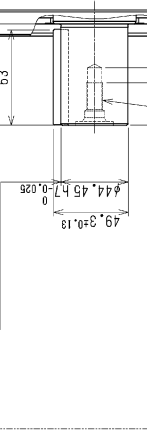
Operating specifications



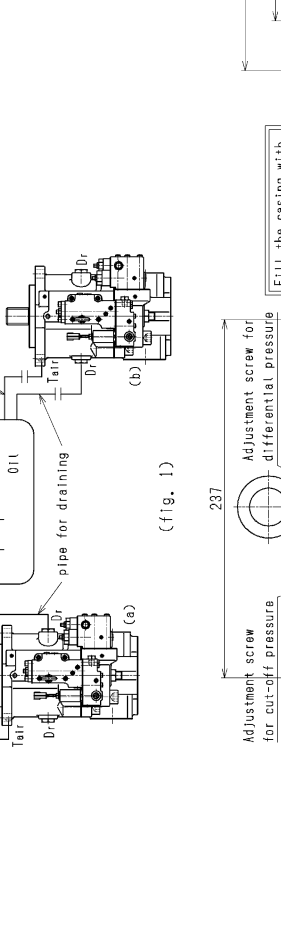
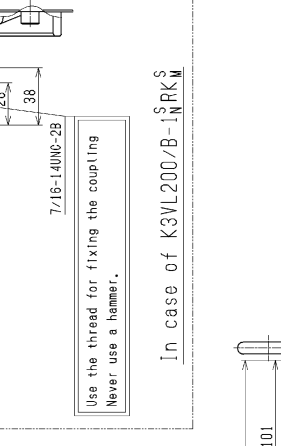
SAE D Straight Shaft SAE J744-44-1



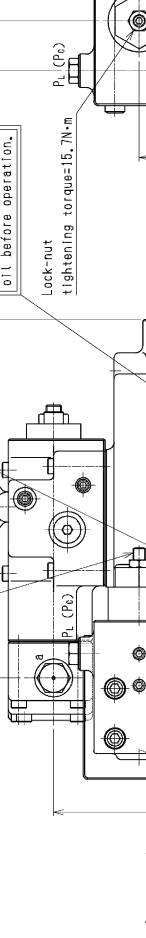
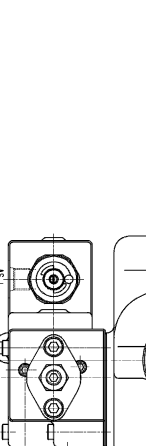
SAE D Straight Shaft SAE J744-165-4



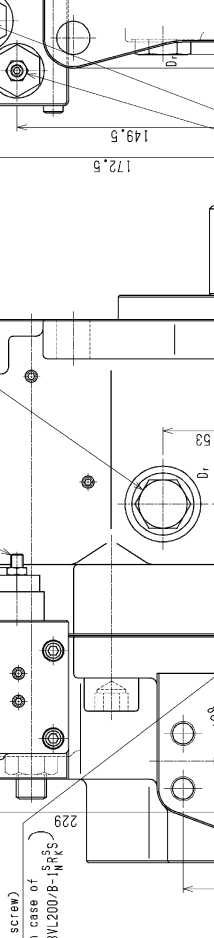
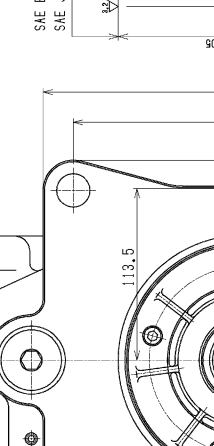
SAE E : 4 hole SAE J744-165-4



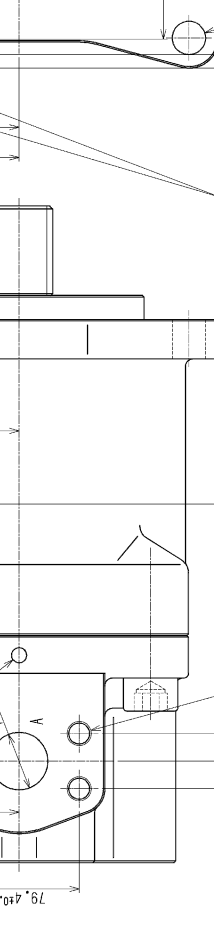
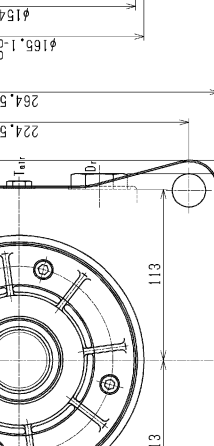
SAE A 2 hole SAE J744-82-2



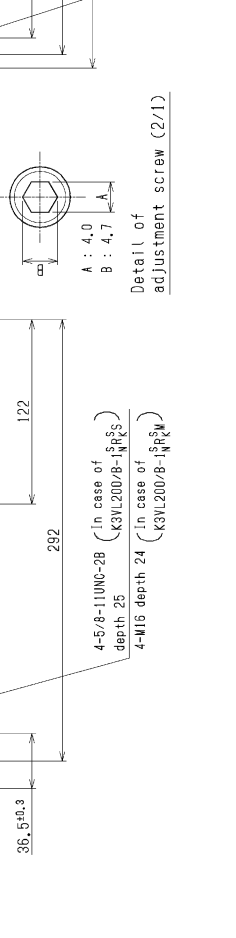
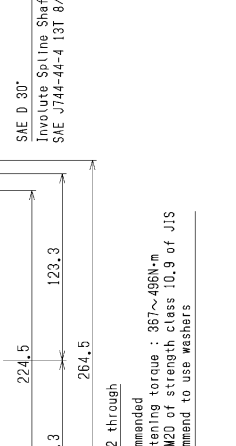
SAE A 2 hole SAE J744-82-2



SAE A 2 hole SAE J744-82-2



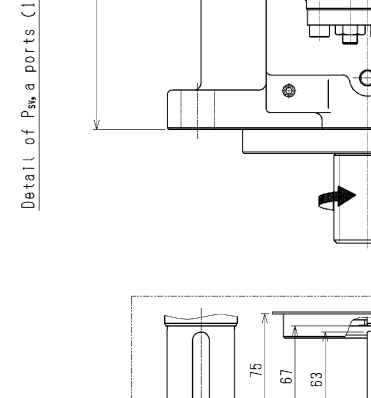
SAE A 2 hole SAE J744-82-2



SAE A 2 hole SAE J744-82-2

- 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 suction piping led into the oil tank is kept below the surface of the oil (to prevent aeration).
 - (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/01S 4406.
 - (9) Provide a 150 mesh (100µm) strainer in the suction line.
 - (10) Install a 10µm filter in the return line.
 - (11) Allowable oil temperature range : -20~95°C.
 - (12) Oil viscosity range : 10~1000cSt when 200~1000cSt, 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)

- 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 with oil before starting the pump.



(Fig. 1)

