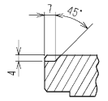
LATEST CHECKED	DRAWN	CHECKED 1	CHECKED 2	CHECKED 3	APPROVED
	A.Ogaki	-	-	S.Oka	Y.Kon(sh)

Surface roughness(Ra)
12.5a(▽ , equivalent to 50 Σ)
3.2a(▽▽ , equivalent to 12.5Σ)
0.8a(▽▽▽ , equivalent to 3.2Σ)
0.2a(▽▽▽▽, equivalent to 0.8Σ)
Grade of screw thread : JIS Grade 2

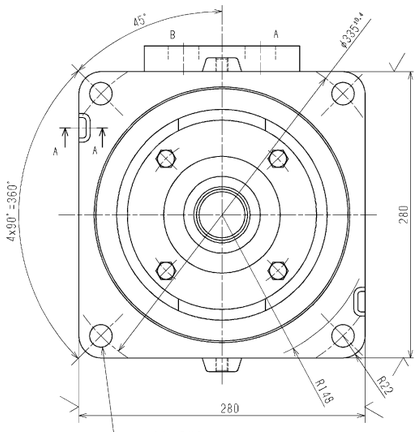
Revision	
①	x1.Reflect the actual dimension. July 04,2008.

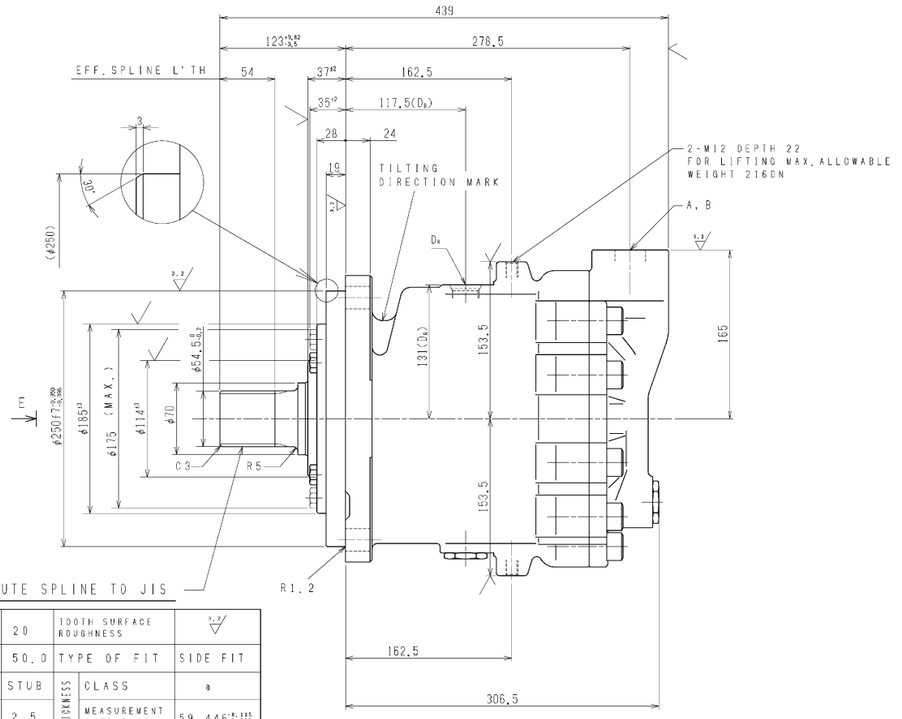
ROTATION

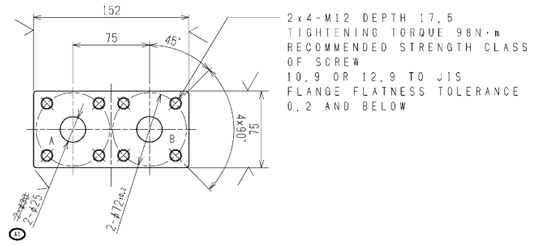
INLET PORT	OUTLET PORT	DIRECTION OF ROTATION VIEWED FROM E
A	B	CLOCKWISE
B	A	COUNTERCLOCKWISE

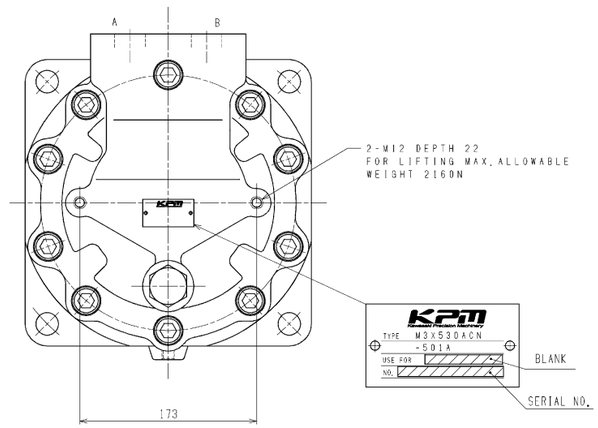


SECTION A-A(2 SPOTS)



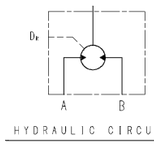






INVOLUTE SPLINE TO JIS

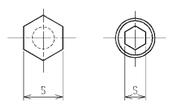
NO. OF TEETH		20	TOOTH SURFACE ROUGHNESS		3.2 ▽
STANDARD P.C.D		50.0	TYPE OF FIT		SIDE FIT
TOOL	PROFILE	STUB	TOOTH THICKNESS	CLASS	a
	MODULE	2.5		MEASUREMENT OVER PINS	59.446 -0.185 -0.329
	PRESS. ANGLE	20°		PIN DIAMETER	φ4.5
ADDENDUM MODIFICATION COEFFICIENT		0.800	RULE		JIS



HYDRAULIC CIRCUIT

SPECIFICATION

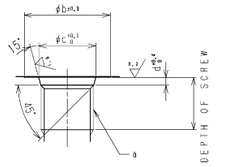
HYD. MOTOR	TYPE	M3X530ACN-501A
	DISPLACEMENT	533 cm³
	RATED PRESS.	29.4 MPa
	MAX. PRESS.	34.3 MPa
	MAX. FLOW	746 L/min
	MAX. SPEED	1400 min⁻¹
	THEORETICAL OUTPUT TORQUE	2490 N·m (at 29.4MPa)
	OIL	ISO VG 32~68
	OIL TEMPERATURE RANGE	-20~+90°C
	OIL VISCOSITY RANGE	10~1000 mm²/s
	MASS	100kg(DRY)



#3 S:WIDTH ACROSS FLATS

PORT SIZE

PORT NAME	SYMBOL	SIZE	TIGHTENING TORQUE N·m	WIDTH ACROSS FLATS (S) #3	ON DELIVERY
MAIN PORT	A, B	2-φ30	——	——	SEAL UP WITH TAPE
DRAIN PORT	Dk	PF3/4-21	167	36	ATTACHED WITH STEEL PLUG



DETAIL OF PORTS

DIMENSION / NAME	a	b	c	d
Dk	PF3/4	45	30.8	3.5

OPERATING CONDITION

SET PRESS. OF MAIN RELIEF VALVE	xx.xMPa
RATED FLOW RATE	xxx L/min
MAX. FLOW RATE	xxx L/min

Please let us know when the above operating condition is changed.

NOTE

1. Fill the motor casing with oil before operation.
2. The drain piping should be connected to the drain port Dk shown in the drawing.
3. The allowable pressures at the motor casing is 0.2 MPa.
4. The max. flow rate of drain is 22 L/min.
   (at starting condition of inlet press. 30.9 MPa
   outlet press. 0 MPa and oil temp. 90°C).
   Keep the drain pressure inside the motor casing
   below 0.2 MPa.
   Select a drain pipe larger than the drain port size of 3/4".
   If your operating condition exeeds the above specifications, please consult us.
5. The lower of the pressures at A or B of this motor
   must be less than 4.9 MPa.
   If the motor is operated at a pressure exceeding the above, please consult us.
6. The anti-rust material on the shaft and flange surface
   must be completely removed prior to use.
7. For satisfactory service life of the motor in application,
   it is recommended that the operating fluid be continuously
   filtered to a minimum cleanliness level of NAS1638 class 9.

MATERIAL: -	APPROVED: A.Miyamoto	PRODUCT CODE: 37	JOB NO.	RULE
MASS: kg	CHECKED 1: A.Miyamoto			
SCALE: 1/3	CHECKED 2: S.Oka	M3X530ACN-501A		
3 RD ANGLE PROJECTION	CHECKED 3: -	INSTALLATION DIMENSIONS		
DATE: Apr.22,'00	DRAWN: Y.Miyoshi	PART NO.: 37WXL501A	DWG.NO.: 02480-1508A	

DELIVERY / SPARE / TOTAL

(A1)

KPM Kawasaki Precision Machinery Ltd.