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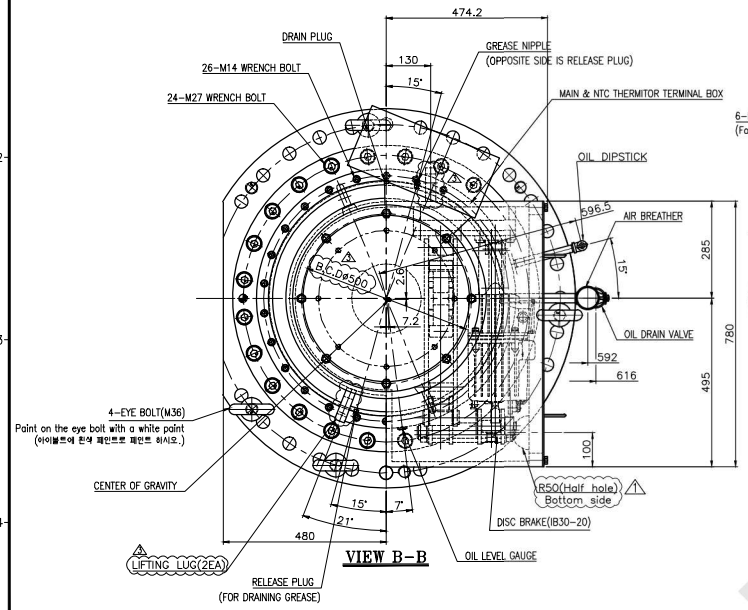
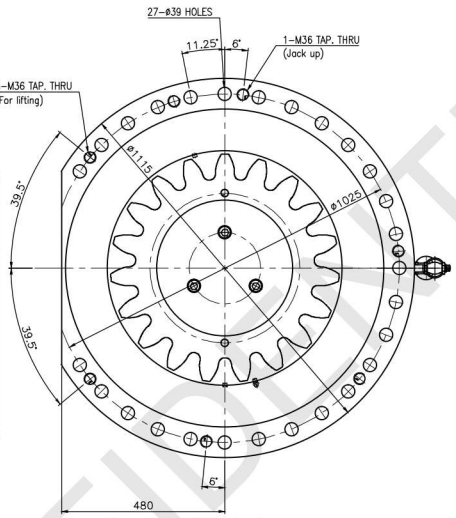
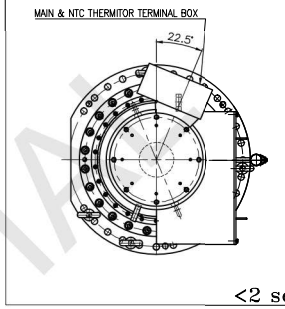
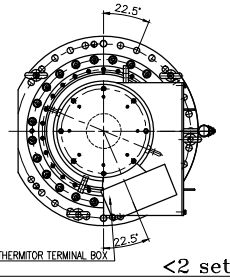
DATE : 2019.05.24

FOR APPROVAL





REDUCER SPECIFICATION

TERMINAL BOX POSITION-No.1	TERMINAL BOX POSITION-No.2
	
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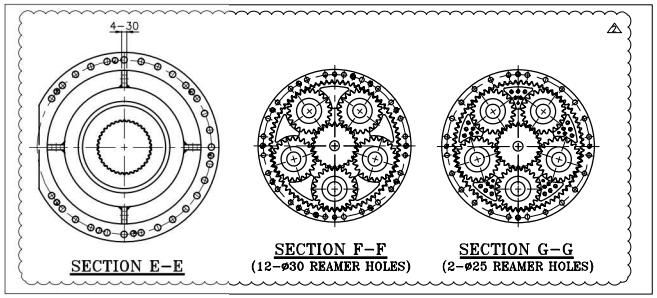

GEAR SPECIFICATION	PLANETARY (1 st)			PLANETARY (2 nd)			PLANETARY (3 rd)			PLANETARY (4 th)			PINION GEAR
	SUN GEAR	PLANETARY	INTERNAL	SUN GEAR	PLANETARY	INTERNAL	SUN GEAR	PLANETARY	INTERNAL	SUN GEAR	PLANETARY	INTERNAL	PINION
TOOTH OF FORM	SPUR			SPUR			SPUR			SPUR			SPUR
MODULE	5			5			9			10			32
PRESSURE ANGLE	20°			20°			20°			25°			20°
NUMBER OF PLANETS	3			3			4			5			-
NUMBER OF TEETH	25T	56T	137T	21T	56T	137T	20T	25T	72T	25T	24T	75T	19T
PITCH CIRCLE DIA.	125	280	685	105	280	685	180	225	648	250	240	750	608
MODIFICATION COEFFICIENT	-0.1	+0.1	+0.1	+0.3967	(+0.8444) ⚠	+0.1	+0.44	(+0.5088) ⚠	+0.389	+0.4513	+0.2916	0	0
MATERIAL	SCM420H			SCM420H			SCM420H			SCM420H		SCM440	SCM440
HEAT TREATMENT	CARBURIZING			CARBURIZING			CARBURIZING			CARBURIZING		Q.T	Q.T&INDECTION HARDENING
HARDNESS (HRc)	58 - 62			58 - 62			58 - 62			58 - 62	58 - 62	Hs 38 - 42	Hs 65 - 75
FACE WIDTH	31	25	31	71	62	71	140.7	129.5	132	190	180	196	310
CLASS (JIS)	2		2	2		2	2		2	2		4	5
CENTER DISTANCE	202.5H7			198.447H7			210.4H7			252H7			

1. MOTOR POWER	37kWx6P
2. INPUT SPEED	1,000 rpm
3. OUTPUT SPEED	1.115 rpm
4. TOTAL RATIO	1/900 (Actual:1/897.08)
5. OUTPUT TORQUE	276,300 N.m(Normal)
	653,300 N.m(Max')
6. OVERHANG LOAD	863.4 kN(Normal)
	2,041.6 kN(Max')
7. DRY WEIGHT	APPROX. 6,000 Kg (with Motor)
8. OIL CAPACITY	APPROX. 131 Liter (ISO VG220)
9. PAINT PRIMER COAT	Epoxy Primer : EP170(80㎛)
INTERMEDIATE COAT	Epoxy M.I.O(110㎛)
FINISH COAT	Urethane : 2.5G 6/2(50㎛)
10. QUANTITY	4 SET

NO.	DESCRIPTION	MAT'(KS)	UNIT QUANTITY	TOTAL	PER.UNIT WEIGHT(kg)	TOTAL	REMARK'S
1	BOOM SLEWING (320-201)	-	-				WORK No.:BK1BA88

WOORIM MACHINERY

⚠	2019.05.24	Motor flange BCD change due to motor change Add Lifting lug	S.H.MIN	S.H.MIN	Y.G.YUN	Y.J.KIM	WOORIM	SIGNATURE	DRAWN	CHECKED	REVIEWED	APPROVED	USER	DRAWN	CHECKED	REVIEWED	APPROVED
⚠	2019.01.29	Change the structure of the 4th carrier, No.P28 bearing size and position from down to up Add' No.36 collar component	H.B.KIM	H.B.KIM	Y.G.YUN	Y.J.KIM		S.H.MIN	S.H.MIN	Y.G.YUN	Y.J.KIM						
⚠	2018.06.25	Add' R50 Half hole Modify mistake : MODIFICATION COEFFICIENT	S.H.MIN	S.H.MIN	Y.G.YUN	Y.J.KIM		DATE	2018.02.05	2018.02.05	2018.02.05	2018.02.05					
NO.	DATE	REVISIONS & DESCRIPTION	DRAWN	CHECKED	REVIEWED	APPROVED											

TITLE	Tanjung Jati B(2500T/H)_BOOM SLEWING	SCALE	1/7
	37kW * 1000RPM * 1/900	PROJECTION	
		SIZE	A1
		DIMENSION	mm
REF.DWG. NO.		REF'NO.	1801-036
		DRAWING NO.	1801-036-01-00B
CUSTOMER		REV.	
IUK		3	

A1(841*594 ㎜/m)

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