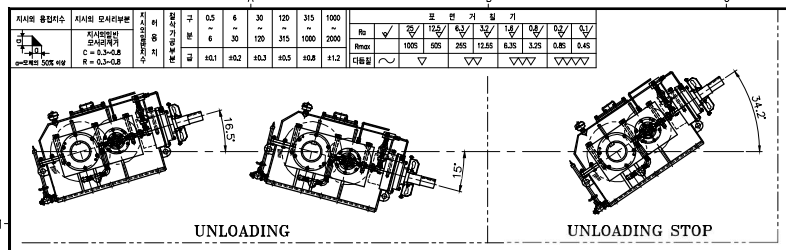
Downloaded on 30 September 2024 11:08 | Tri Okta Ervina - ENG BJS



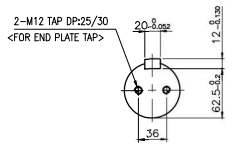
DATE : 2018.04.16

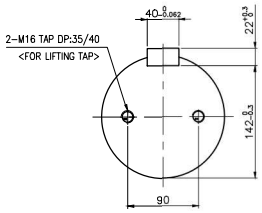
FOR APPROVAL

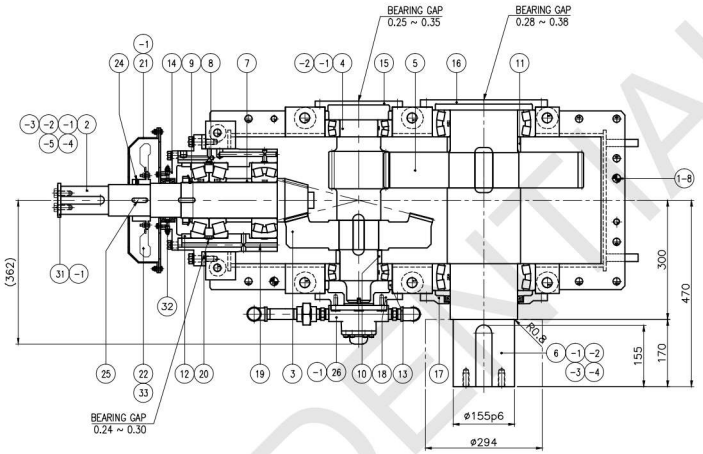
REDUCER SPECIFICATION

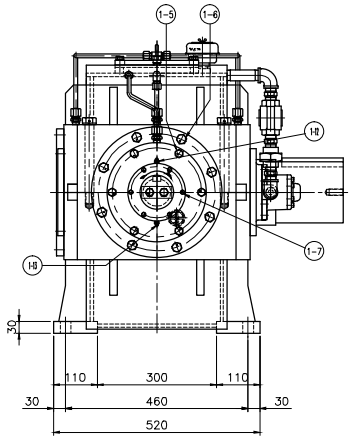
1. MOTOR POWER	:	132 kW
2. INPUT SPEED	:	1500 r.p.m
3. OUTPUT SPEED	:	109.192 r.p.m
4. TOTAL RATIO	:	1/14(ACTUAL:1/13.738)
5. OUTPUT TORQUE	:	1,177.5 kg-m
		1,766.25 kg-m <Max.>
6. TOTAL WEIGHT	:	810 kg(APPROX)
7. OIL CAPACITY	:	85 liter(ISO VG #220)
8. QUANTITY	:	2 SET
9. PAINT	:	PRIMER COAT : Epoxy Primer : EP170(80 ㎛)
		INTERMEDIATE COAT : Epoxy M.I.O(110 ㎛)
		FINISH COAT : Urethane : 2.5G 6/2(50 ㎛)

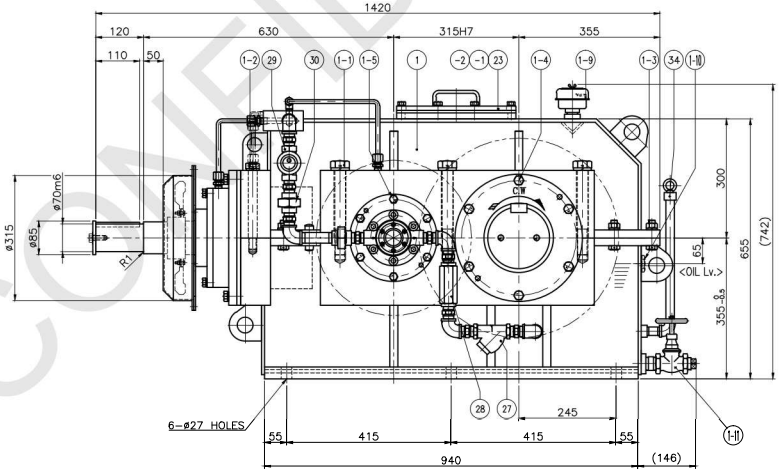
SPECIFICATION	1 STAGE		2 STAGE	
	PINION	GEAR	PINION	GEAR
TOOTH OF FORM	SPIRAL BEVEL		SINGLE HELICAL	
MODULE(NORMAL)	5.5		6.0	
PRESSURE ANGLE	20°			
NUMBER OF TEETH	18T	68T	22T	80T
HELIX ANGLE	35°		12.25°	
HAND OF HELIX	RIGHT	LEFT	LEFT	RIGHT
OPERATING P.C.D	99.000	374.000	135.882	494.118
MATERIAL	SCM420H			
HEAT TREATMENT	CASE CARBURIZING			
HARDNESS(Hs)	78 ~ 85			
FACE WIDTH	60	60	95	90
CENTER DISTANCE	–		315 H7	
CLASS	JIS 2			











NO.	DESCRIPTION	MAT'(KS)	UNIT QUANTITY		PERUNIT WEIGHT(kg)	TOTAL WEIGHT(kg)	REMARK'S
33	HEX' BOLT,S/W	10.9	SET	12			M6x20L
34	OIL DIP STICK,M-N/P,E/B	PUR-	EA	1			PT 1/2"
32	COLLAR	SS400	EA	1			
-1	HEX'BOLT,S/W	10.9	SET	2			M12x30L
31	STOP,END PLATE	SS400	SET	1			EP-85
30	UNION	PUR-	EA	2			PT 3/4"
29	SIGHT GLASS	PUR-	EA	1			PT 3/4"
28	CHECK VALVE	PUR-	EA	1			PT 3/4"
27	Y-STRAINER	PUR-	EA	1			PT 3/4"
-1	WRENCH BOLT	12.9	EA	6			M10x25L
26	TROCHOID PUMP(NOP)	PUR-	EA	1			TOP-2RA-12C
25	PARALLEL KEY	SCM440	EA	1			10x8x30L(SQ)
24	SET SCREW	10.9	EA	1			M8x15L
-2	PACKING(2t), ACRYL(5t)	ACRYL	SET	1			(IS-3)
-1	HEX'BOLT,S/W	10.9	SET	10			M10x25L
23	INSPECTION COVER	SS400	EA	1			(IS-3)
22	COOLING FAN	SS400	EA	1			
-1	HEX.BOLT,NUT,S/W	10.9	SET	6			M6x20L
21	FAN COVER	SS400	EA	1			
20	SHIM PLATE	SS400	EA	1			
19	BEARING HOUSING	SS400	EA	1			
18	BEARING COVER	SS400	EA	1			
17	BEARING COVER	SS400	EA	1			
16	BEARING COVER	SS400	EA	1			
15	BEARING COVER	SS400	EA	1			
14	BEARING COVER	SS400	EA	1			
13	COLLAR	FC300	EA	2			CL170-22
12	COLLAR	FC300	EA	1			CL190-22
11	SPACER	SS400	EA	1			
10	SPACER	FC300	EA	1			CL115-35
9	SPACER	SS400	EA	1			CL110-6
8	COLLAR	SS400	EA	1			
7	SPACER	FC300	EA	1			CL110-64.5
-4	OIL SEAL (NOK)	PUR-	EA	1			ø170xø200x16B
-3	BEARING	PUR-	EA	2			#23034
-2	PARALLEL KEY	SCM440	EA	1			40x22x155L(1R)
-1	PARALLEL KEY	SCM440	EA	1			45x25x89L(SQ)
6	OUTPUT SHAFT	SCM440	EA	1			
5	2ND GEAR	SCM420H	EA	1			
-2	BEARING	PUR-	EA	2			#22219
-1	PARALLEL KEY	SCM440	EA	1			28x16x73L(SQ)
4	2ND PINION SHAFT	SCM420H	EA	1			
3	1ST GEAR	SCM420H	EA	1			
-5	LOCK NUT, WASHER	PUR-	SET	1s			AN18, AW18
-4	OIL SEAL (NOK)	PUR-	EA	2			ø85xø110x13B
-3	BEARING	PUR-	EA	2			#30318-C3
-2	BEARING	PUR-	EA	1			#22318-C3
-1	PARALLEL KEY	SCM440	EA	1			20x12x110L(1R)
2	INPUT PINION SHAFT	SCM420H	EA	1			
-13	GREASE RIFLEF NIPPLE	PUR-	EA	1			PT 1/8"
-12	GREASE NIPPLE	PUR-	EA	1			PT 1/8"
-11	DRAIN VALVE,M-N/P,MAGNET PLUG	PUR-	SET	1			PT 1"
-10	OIL LEVEL GAUGE	PUR-	EA	1			PF 1"
-9	AIR BREATHER (STAINLESS)	PUR-	EA	1			PT 3/4"
-8	TAPER PIN	S45C-N	EA	2			ø20x60L
-7	HEX' BOLT,S/W	10.9	SET	6			M6x15L
-6	HEX' BOLT,S/W	10.9	SET	8			M14x50L
-5	HEX' BOLT,S/W	10.9	SET	18			M12x35L
-4	HEX' BOLT,S/W	10.9	SET	12			M14x40L
-3	HEX' BOLT,NUT,S/W	10.9	SET	8			M16x65L
-2	HEX' BOLT,S/W	10.9	SET	2			M20x210L-50S
-1	HEX' BOLT,S/W	10.9	SET	6			M27x220L-60S
1	GEAR CASE	SS400	SET	1			

WOORIM MACHINERY

TITLE: Tanjung Jati B(2500T/H)_BOOM CONVEYOR
For 132kW x 1500RPM x 1/14

SCALE 1/6 PROJECTION
SIZE A1 DIMENSION mm
REF'NO. 1801-036-02
DRAWING NO. 1801-036-02-00

WOORIM	DRAWN	CHECKED	REVIEWED	APPROVED	USER	DRAWN	CHECKED	REVIEWED	APPROVED
SIGNATURE	S.H.KIM	S.H.KIM	S.H.KIM	Y.J.KIM					
DATE	2018.02.01	2018.02.01	2018.02.01	2018.02.01					

CUSTOMER: IUK REV. 0

NO.	DATE	REVISIONS & DESCRIPTION	DRAWN	CHECKED	REVIEWED	APPROVED
0						

<BK1BA88> (CLASS:430-201)

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