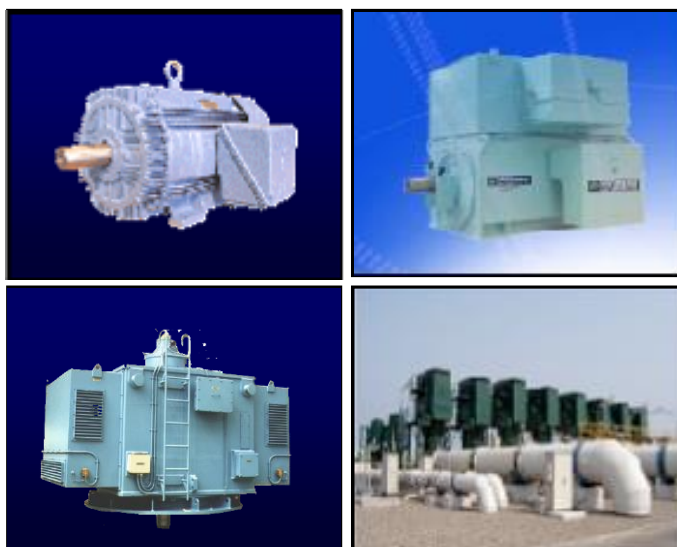


Customer :
Project Name :
Project No. :
Revision No. :

SPECIFICATION for INDUCTION MOTOR



Contents

1 . Data Sheet of AC Induction Motor	- 1Sheets
2 . Speed-Torque & Current Curve	- 1Sheets
3 . Outline Dimension Drawing	- 1Sheets
4 . Main Terminal Box Drawing	- 1Sheets

		AC INDUCTION MOTOR DATA SHEET						
Model No.or RFQ No.		3806KSTD40SSDS1STFE3351DL0SDS		Item No.		Rev. No.	[]	
Project Name				Project No.		Quantity		
GENERAL SPECIFICATION				PERFORMANCE DATA				
Frame Size		200L		Rated Output		30 kW 40 HP		
Type		HLP-30/6		Number of Poles		6		
Enclosure(Protection)		Totally Enclosed (IP55)		Rotor Type		Squirrel Cage		
Method of Cooling		IC411(FC)		Starting Method*		☒ D.O.L ☐ Y-Δ		
Rated Frequency		60 Hz		Rated Voltage		380 V		
Number of Phases		3		Current		Full Load 60.5 A		
Insulation Class		☒ F ☐ B ☐ H		Locked-rotor**		720 %		
Temp. Rise at full load (by resistance method)				Efficiency				
at 1.0 S.F		80 deg. C		50% Load		94.0 %		
Motor Location		☒ Indoor ☐ Outdoor		75% Load		94.3 %		
Altitude		Less than 1000		100% Load		94.1 %		
Relative Humidity		Less than 80 %		Power Factor(p.u)				
Ambient Temp.		40 deg. C (Max.)		50% Load		0.660		
Duty Type		Continuous(S1)		75% Load		0.757		
Service Factor		1.15		100% Load		0.801		
Mounting		☐ B3 ☐ B5 ☐ V1 ☒ B3/B5		Speed at Full Load		1185 r.p.m		
Bearing	Type	Anti-Friction		Torque				
	DE/N-DE	6313ZC3 / 6211ZC3		Full Load		24.7 kg·m		
	Lubricant	Grease(Gadus S2 V 100 2)		Locked-rotor**		150 %		
External Thrust		Not applicable		Breakdown**		220 %		
Coupling Method		☒ Direct ☐ V-Belt		Moment of Inertia (J)				
Shaft Extension		☒ Single ☐ Double		Load(Max.)		50.000 kg·m²		
Terminal Box	Main	☐ Steel ☒ Cast Iron		Motor		0.380 kg·m²		
	Aux.	☐ Yes ☒ No		Sound Pressure Level (No-load & mean value at 1m from motor)				
	Location	Refer to Outline Drawing				70 dB(A)		
Application				Vibration		2.2 mm/sec (r.m.s)		
Area classification		Not applicable		Permissible number of consecutive starts		Cold 3 times		
Type of Ex-Protection		Non-Hazardous				Hot 2 times		
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)		Paint	Munsell No.	4.4PB5.5/5.6(VL-451)		
ACCESSORIES				SUBMITTAL DRAWING				
				Outline Dimension Drawing		\ Motor Weight(Approx.)		
				B3/B5		LM-T1205B4PL001	327 kg	
				Main T-Box Ass'y		3M-145864		
				REMARK				
				*.Premium Efficiency(IE3)				
				*.For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise				
SPARE PARTS								
				Date	DSND	CHKD	CHKD	APPD
				2018-04-25	R.G. KIM	-	O.J. KIM	S.K. HAN
Note: Others not mentioned in this data sheet shall be in accordance with maker standard. Above technical data are only design values and shall be guaranteed with tolerance of applicable standard. Inspection and performance test shall be maker standard, if not mentioned. * In case of Inverter-Fed Motor, performance data is based on sine wave tests. ** The data are based on rated voltage & frequency, and data are expressed as a percentage of full load value.								

Type : **HLP-30/6**

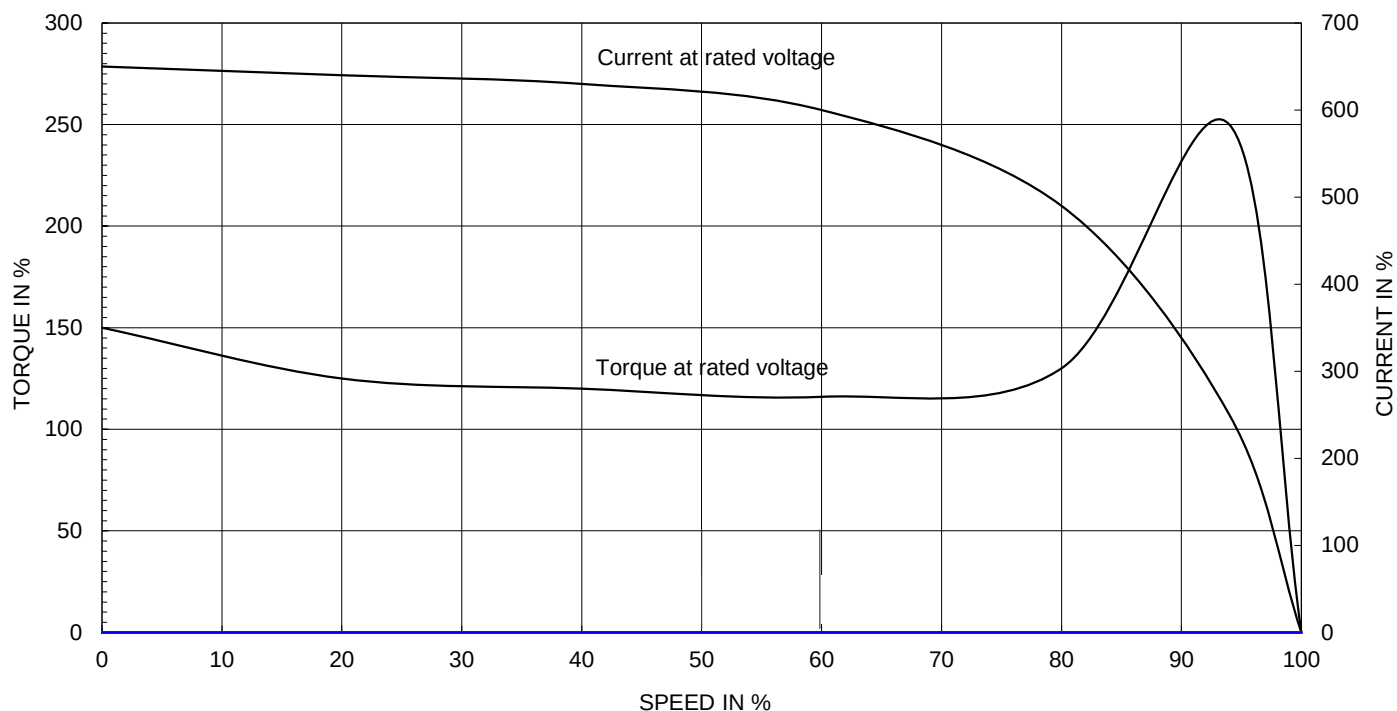
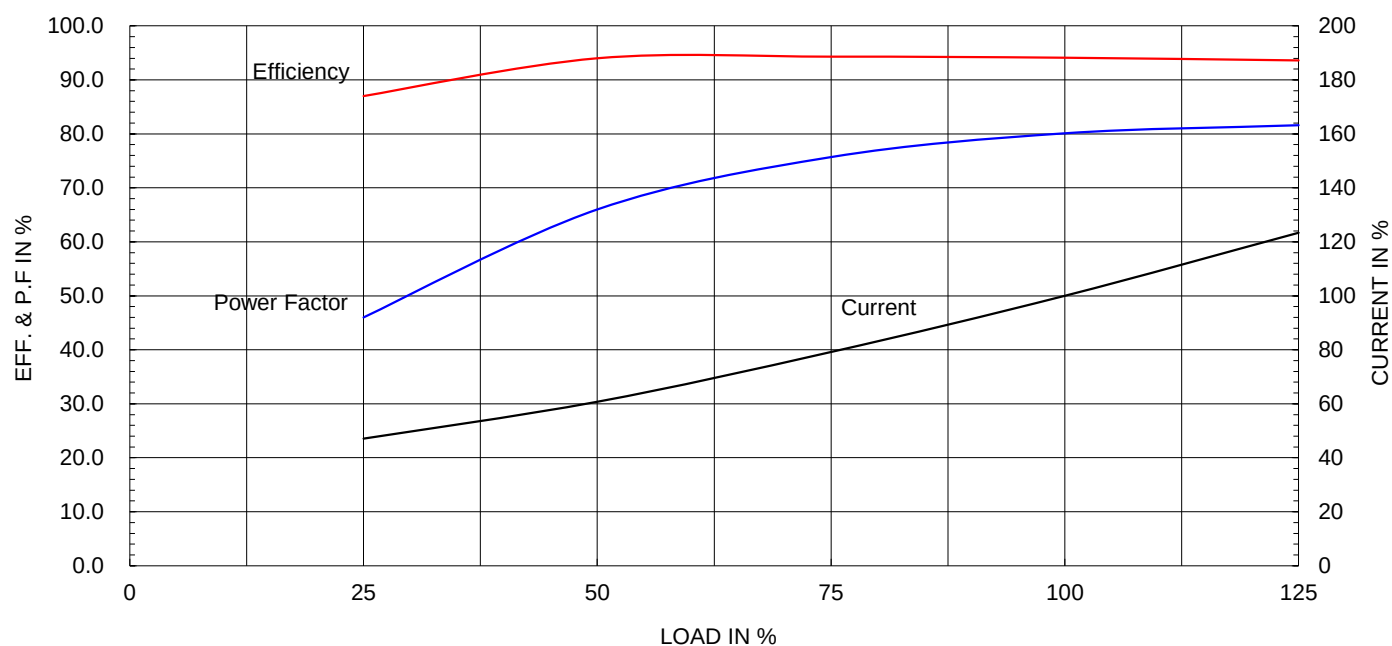
 Full Load Torque : **24.7** kg.m

 Motor moment of Inertia (J) : **0.380** kg.m²

 Load moment of Inertia (J) : **50.000** kg.m²
30 kW
6 P
60 Hz

 Speed at Full Load : **1185** RPM

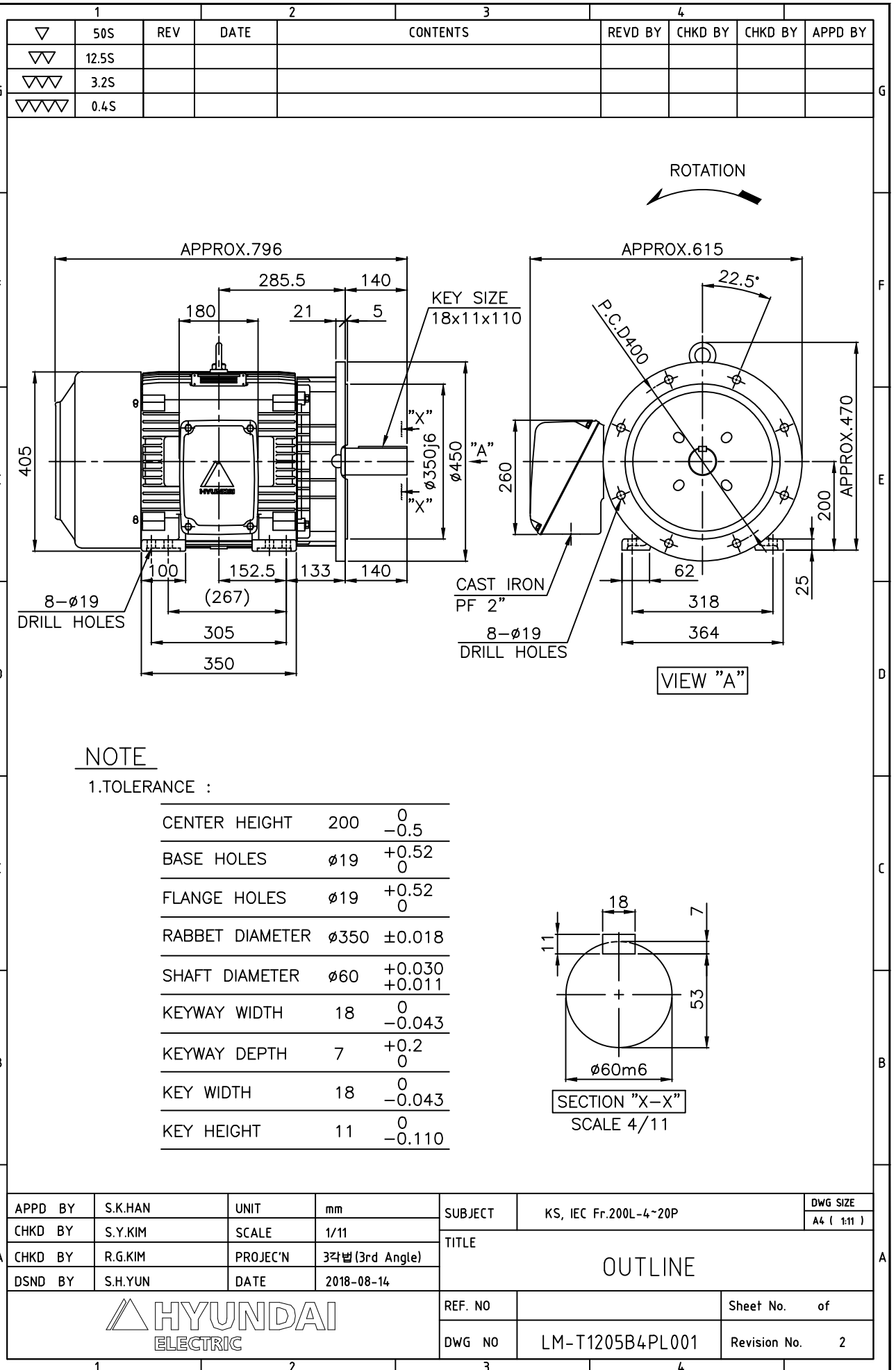
 Rated Voltage **380V**

 Full Load Current **60.5A**
SPEED VS TORQUE & CURRENT CURVE

OUTPUT VS EFF., P.F & CURRENT CURVE


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허가없이 복사할 수 없음 (취급주의)

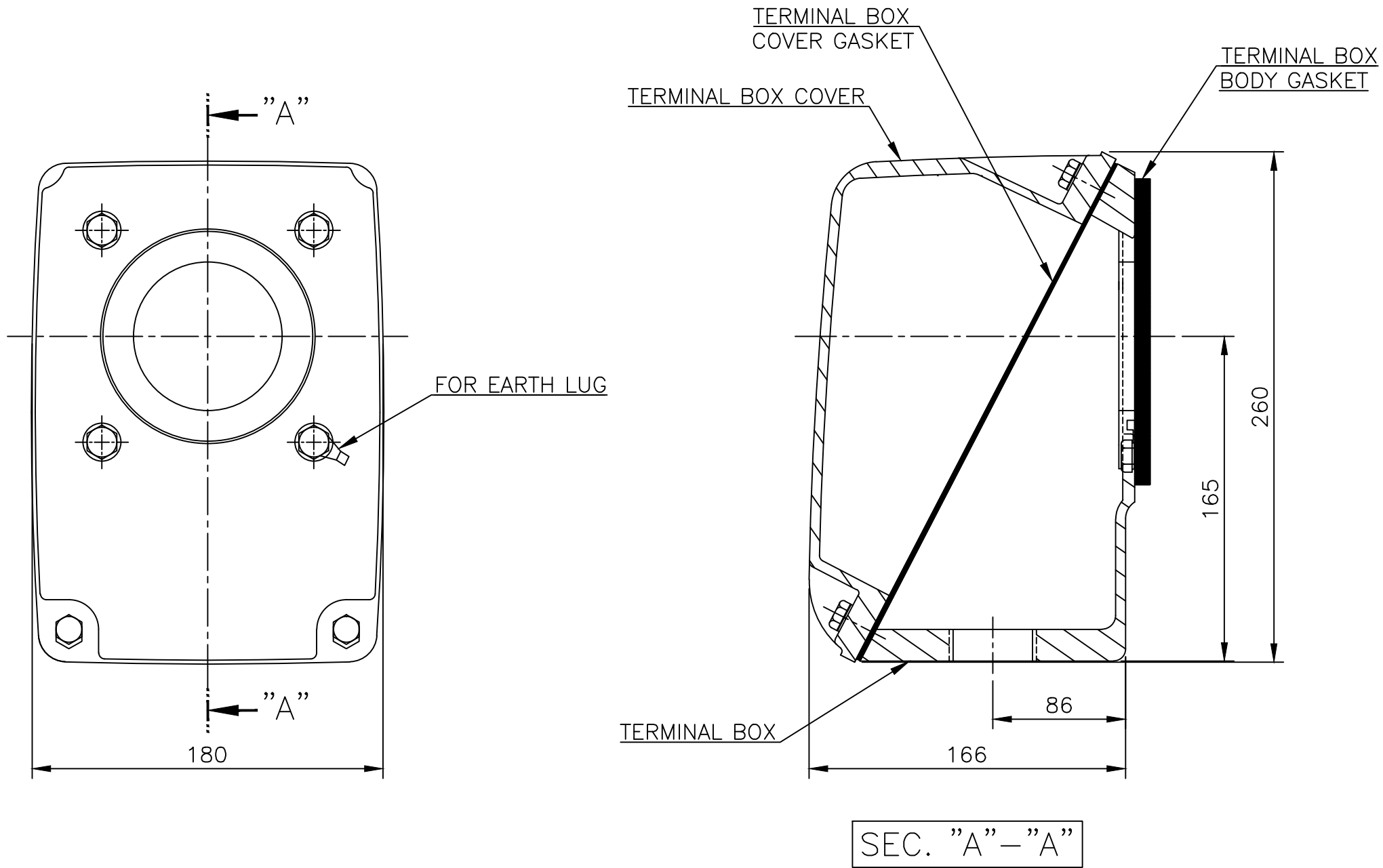
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▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY	일반기공차	일반재공차
							1-4 ±0.1	6-30 ±0.5
							4-18 ±0.2	30-120 ±0.8
							18-63 ±0.3	120-315 ±1.2
							63-250 ±0.5	315-1000 ±2.0
							250- ±0.8	1000- ±3.0

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	S.K.HAN	UNIT	mm	SUBJECT	FR.200 (CAST IRON)	DWG SIZE	
CHKD BY	S.Y.KIM	SCALE	1/2			A3 (1:2)	
CHKD BY	R.G.KIM	PROJEC'N	3각법 (3rd Angle)	TITLE	Main Terminal Box Assembly		
DSND BY	H.K.LEE	DATE	2011-08-30	REF. NO	227B8003CB5	Sheet No.	of
HYUNDAI ELECTRIC				DWG NO	3M-145864	Revision No.	2