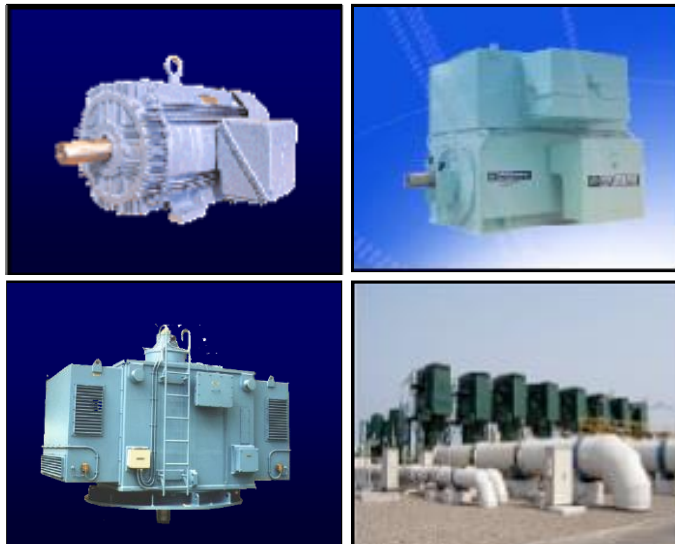


Customer :
Project Name :
Project No. :
Revision No. :

SPECIFICATION for INDUCTION MOTOR



Contents

1 . Data Sheet of AC Induction Motor	- 1Sheets
2 . Speed-Torque & Current Curve	- 1Sheets
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		AC INDUCTION MOTOR DATA SHEET											
Model No.or RFQ No.		3806KSTD40SSDS1STFE3B51DL0SD3		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									
		Location		Refer to Outline Drawing									
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.)					
				B5		LM-T1205B5PL001		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

30 kW

6 P

60 Hz

Full Load Torque : 24.7 kg.m

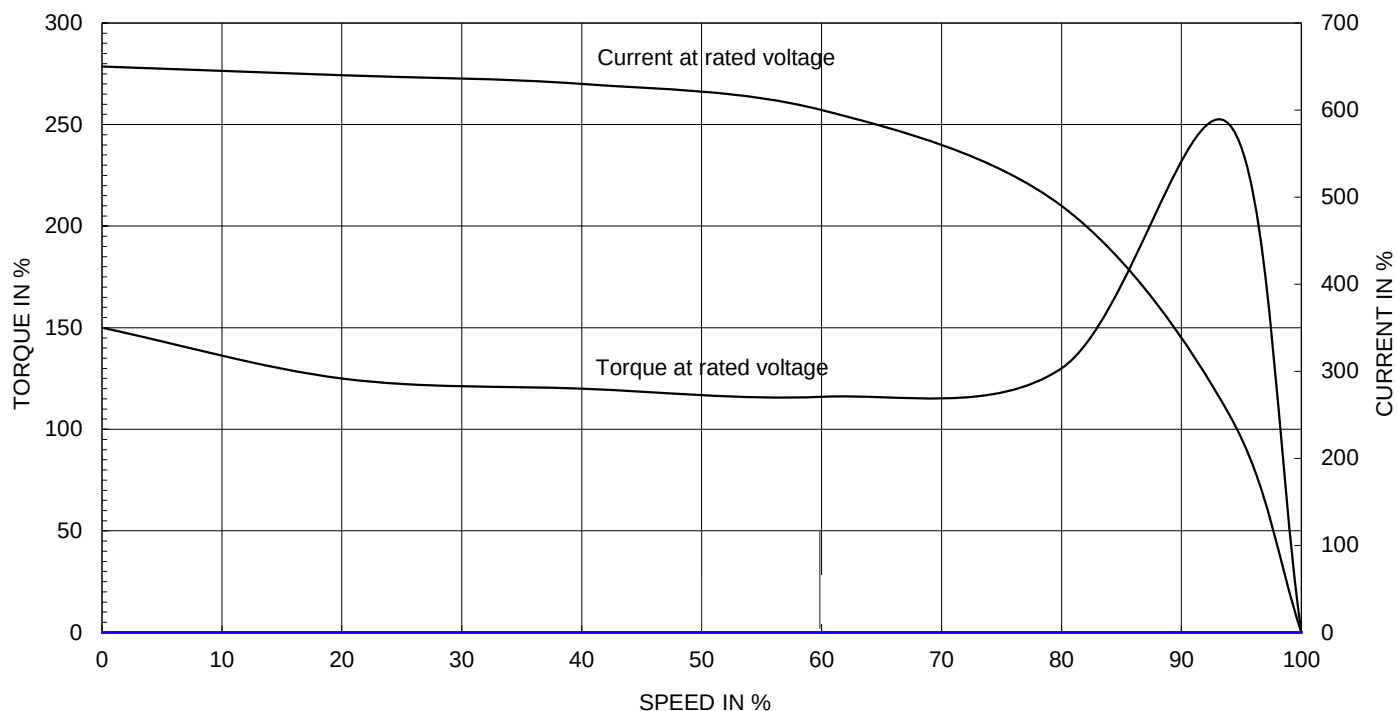
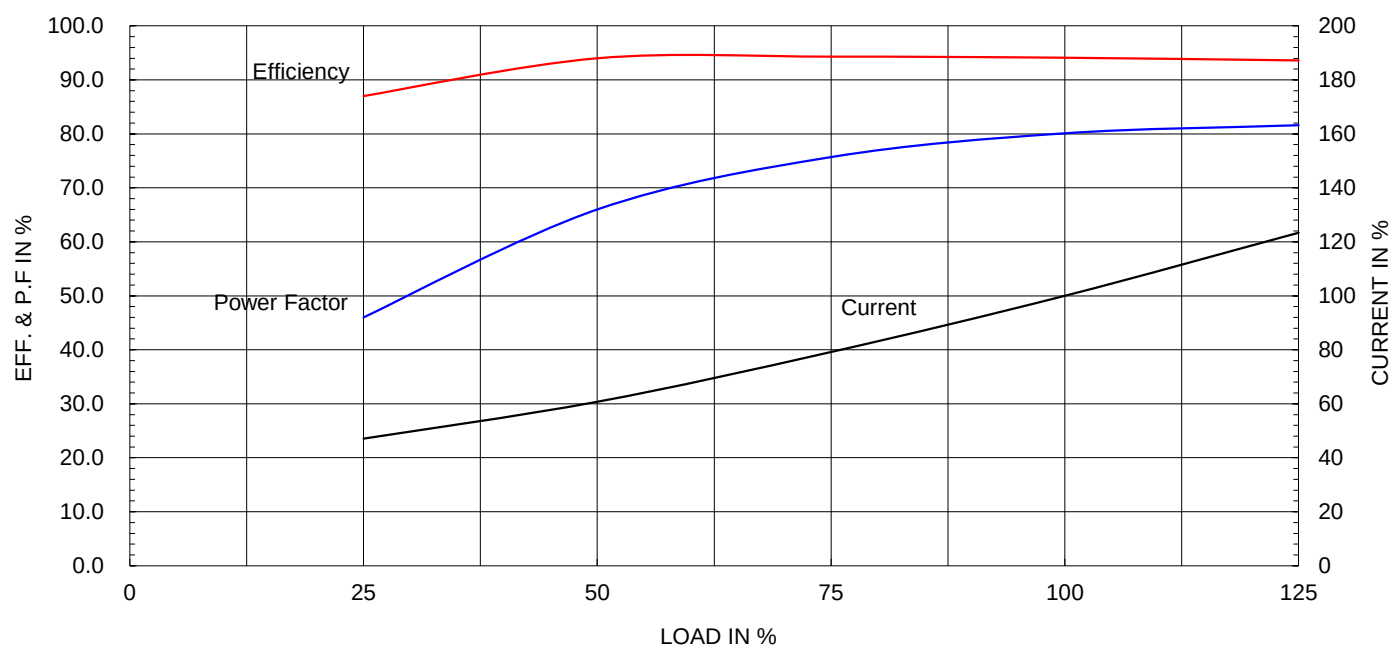
Speed at Full Load : 1185 RPM

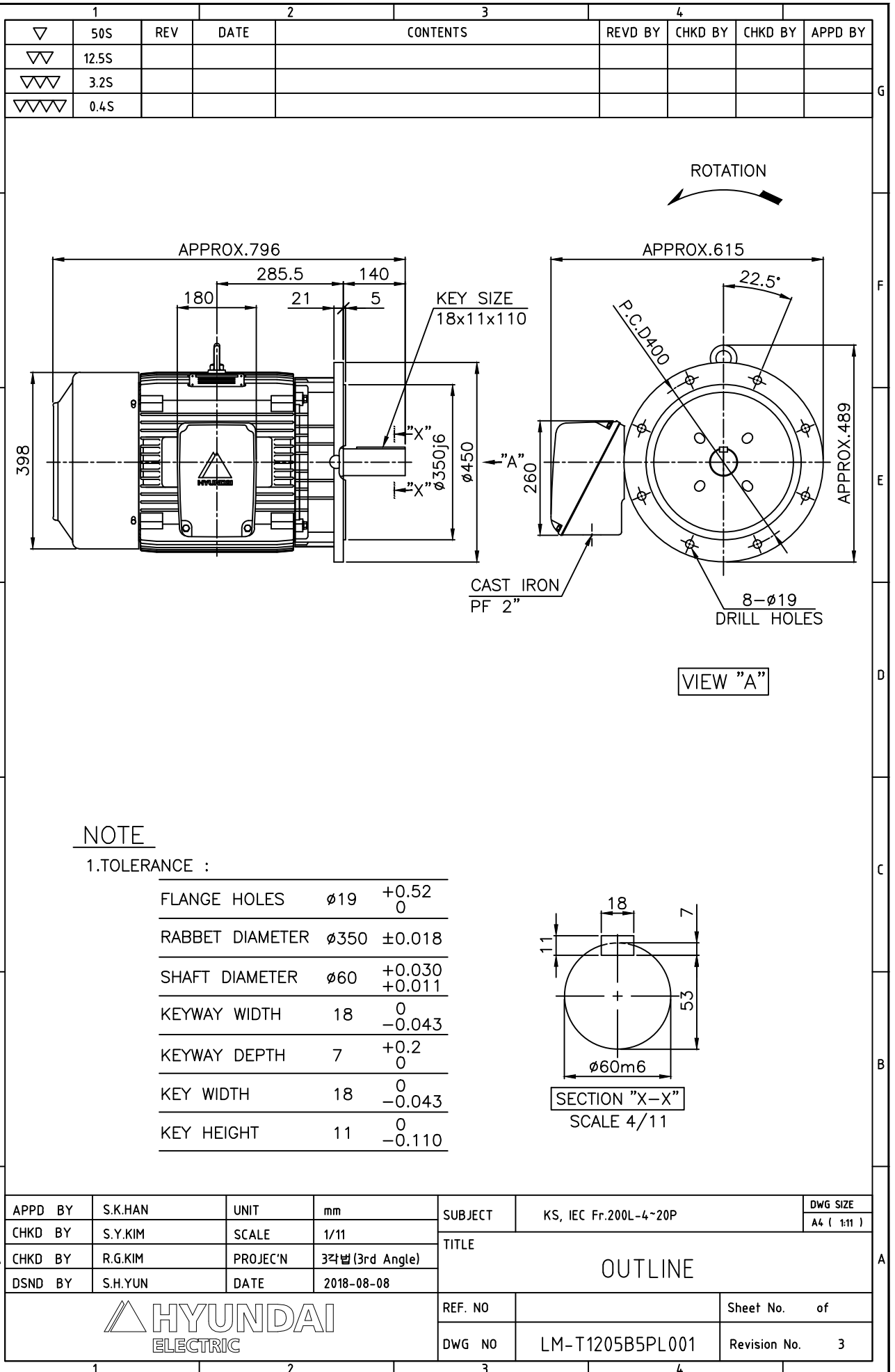
Motor moment of Inertia (J) : 0.380 kg.m²

Rated Voltage 380V

Load moment of Inertia (J) : 50.000 kg.m²

Full Load Current 60.5A

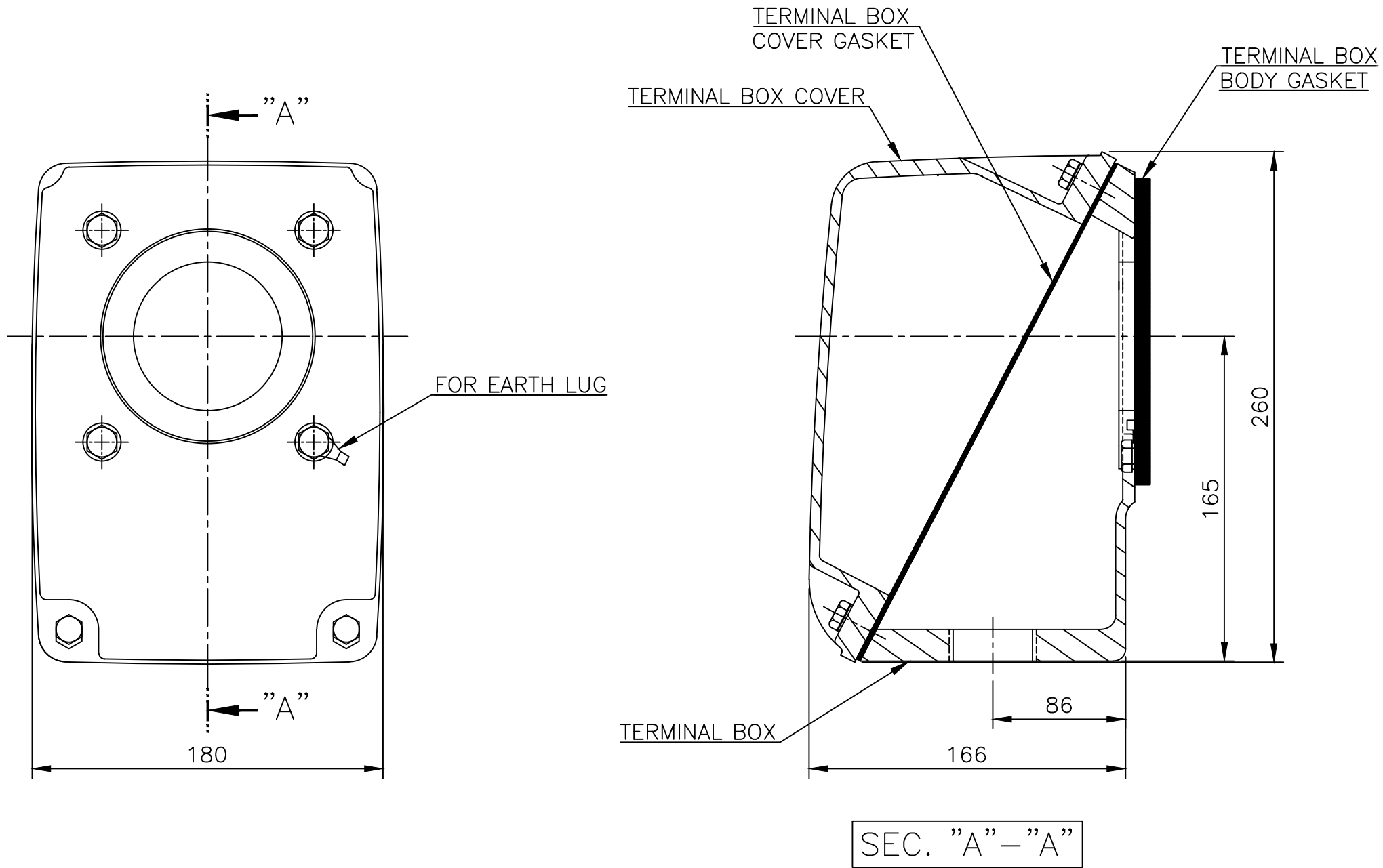
SPEED VS TORQUE & CURRENT CURVE

OUTPUT VS EFF., P.F & CURRENT CURVE




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본 도면은 현대일렉트릭(주) 재산이므로
허가없이 복사할 수 없음 (취급주의)

HYUNDAI
ELECTRIC



▽	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
					DWG NO	3M-145864	Revision No.	2
6		7		8		9		