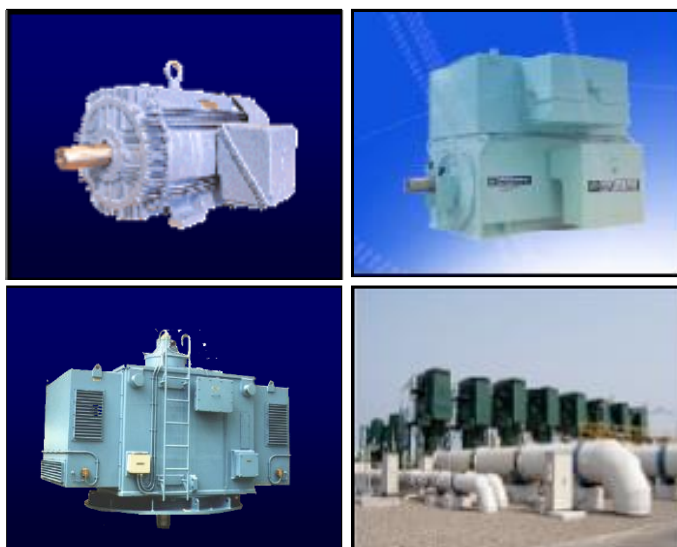


Customer :
Project Name :
Project No. :
Revision No. :

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.		2206KSTD40SSDS1STFE3B51DL0SDS		Item No.		Rev. No.		[]					
Project Name				Project No.		Quantity							
GENERAL SPECIFICATION				PERFORMANCE DATA									
Frame Size		132S		Rated Output		5.5 kW		8 HP					
Type		HKP-5.5/2		Number of Poles		2							
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		220 V							
Number of Phases		3		Current		Full Load		18.8 A					
Insulation Class		☒ F ☐ B ☐ H				Locked-rotor**		700 %					
Temp. Rise at full load (by resistance method)				Efficiency									
at 1.0 S.F		80 deg. C				50% Load		86.6 %					
Motor Location		☒ Indoor ☐ Outdoor				75% Load		88.9 %					
Altitude		Less than 1000				100% Load		89.5 %					
Relative Humidity		Less than 80 %		Power Factor(p.u)									
Ambient Temp.		40 deg. C (Max.)				50% Load		0.780					
Duty Type		Continuous(S1)				75% Load		0.835					
Service Factor		1.15				100% Load		0.860					
Mounting		☐ B3 ☒ B5 ☐ V1 ☐ B3/B5		Speed at Full Load		3520 r.p.m							
Bearing		Type		Anti-Friction		Torque							
		DE/N-DE		6208ZZC3 / 6208ZZC3		Full Load		1.5 kg·m					
		Lubricant		Grease(Polyrex-EM)		Locked-rotor**		160 %					
External Thrust		Not applicable				Breakdown**		260 %					
Coupling Method		☒ Direct ☐ V-Belt		Moment of Inertia (J)									
Shaft Extension		☒ Single ☐ Double				Load(Max.)		1.250 kg·m²					
Terminal Box		Main		☐ Steel ☒ Cast Iron		Motor		0.014 kg·m²					
		Aux.		☐ Yes ☒ No		Sound Pressure Level (No-load & mean value at 1m from motor)							
		Location		Refer to Outline Drawing		76 dB(A)							
Application				Vibration		1.6 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-T0131B5PL001		72 kg					
				Main T-Box Ass'y		3M-148549							
				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.

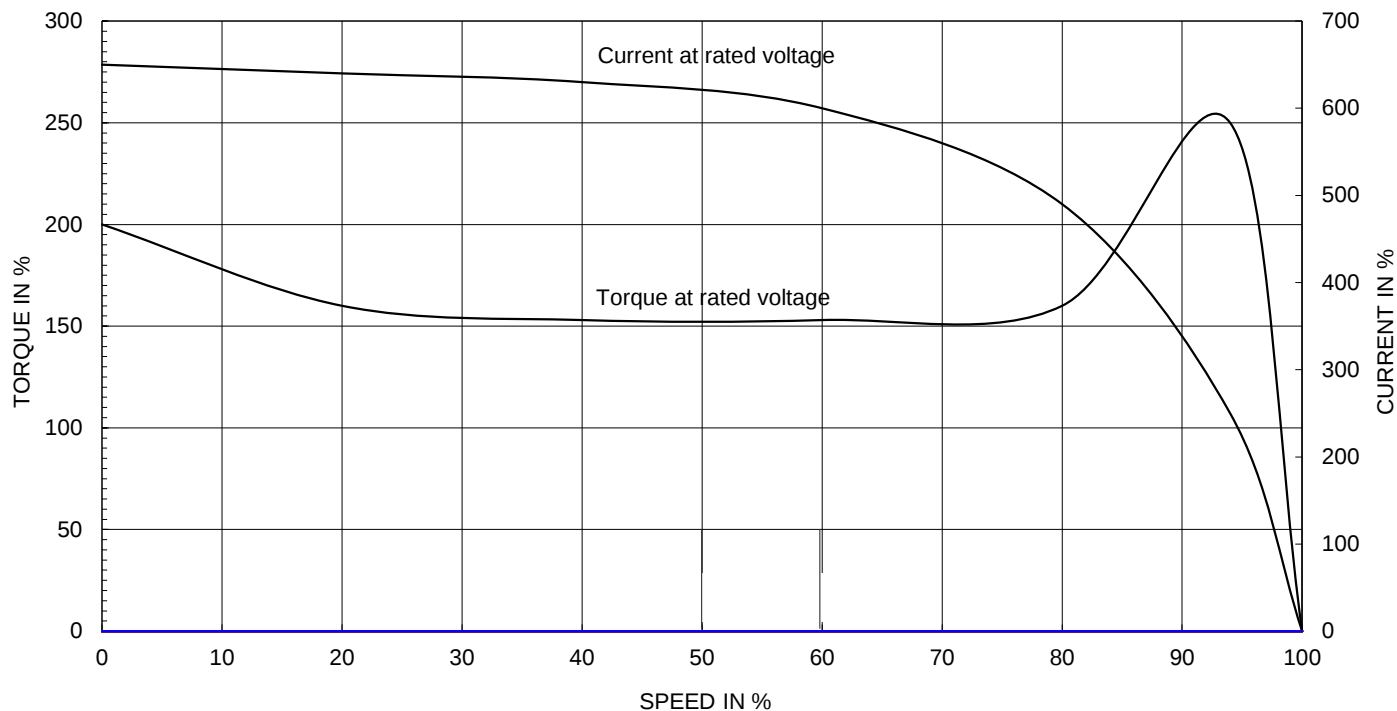
* In case of Inverter-Fed Motor, performance data is based on sine wave tests.

** The data are based on rated voltage & frequency, and data are expressed as a percentage of full load value.

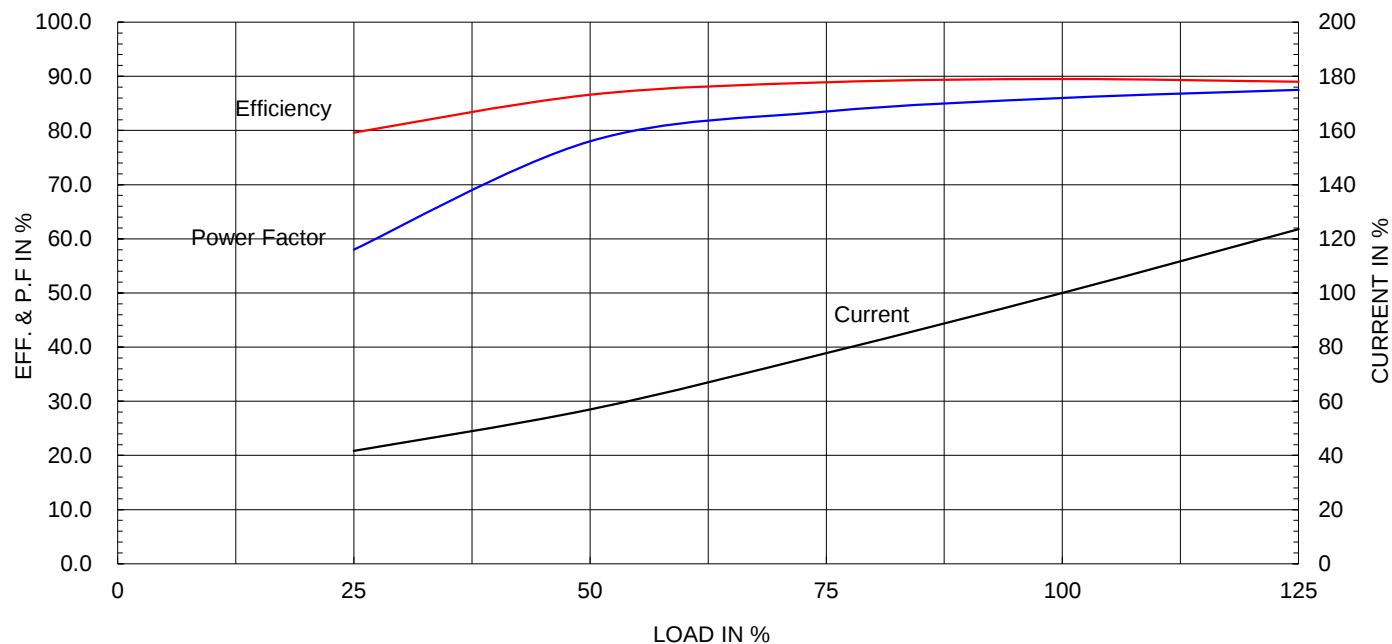
Type :	HKP-5.5/2	
Full Load Torque :	1.5	kg.m
Motor moment of Inertia (J) :	0.014	kg.m ²
Load moment of Inertia (J) :	1.250	kg.m ²

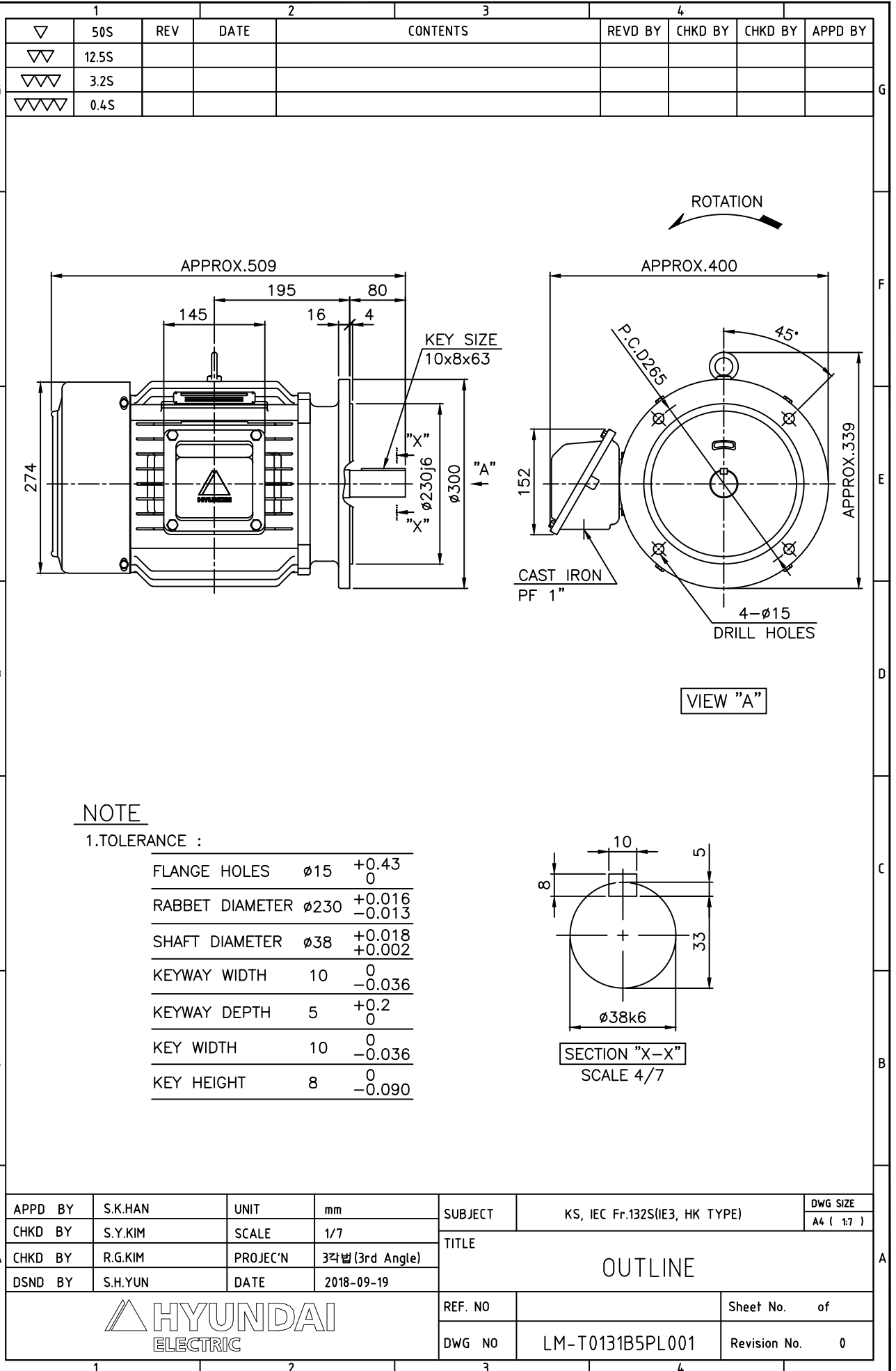
5.5 kW	2 P	60 Hz
Speed at Full Load : 3520 RPM		
Rated Voltage	220V	
Full Load Current	18.8A	

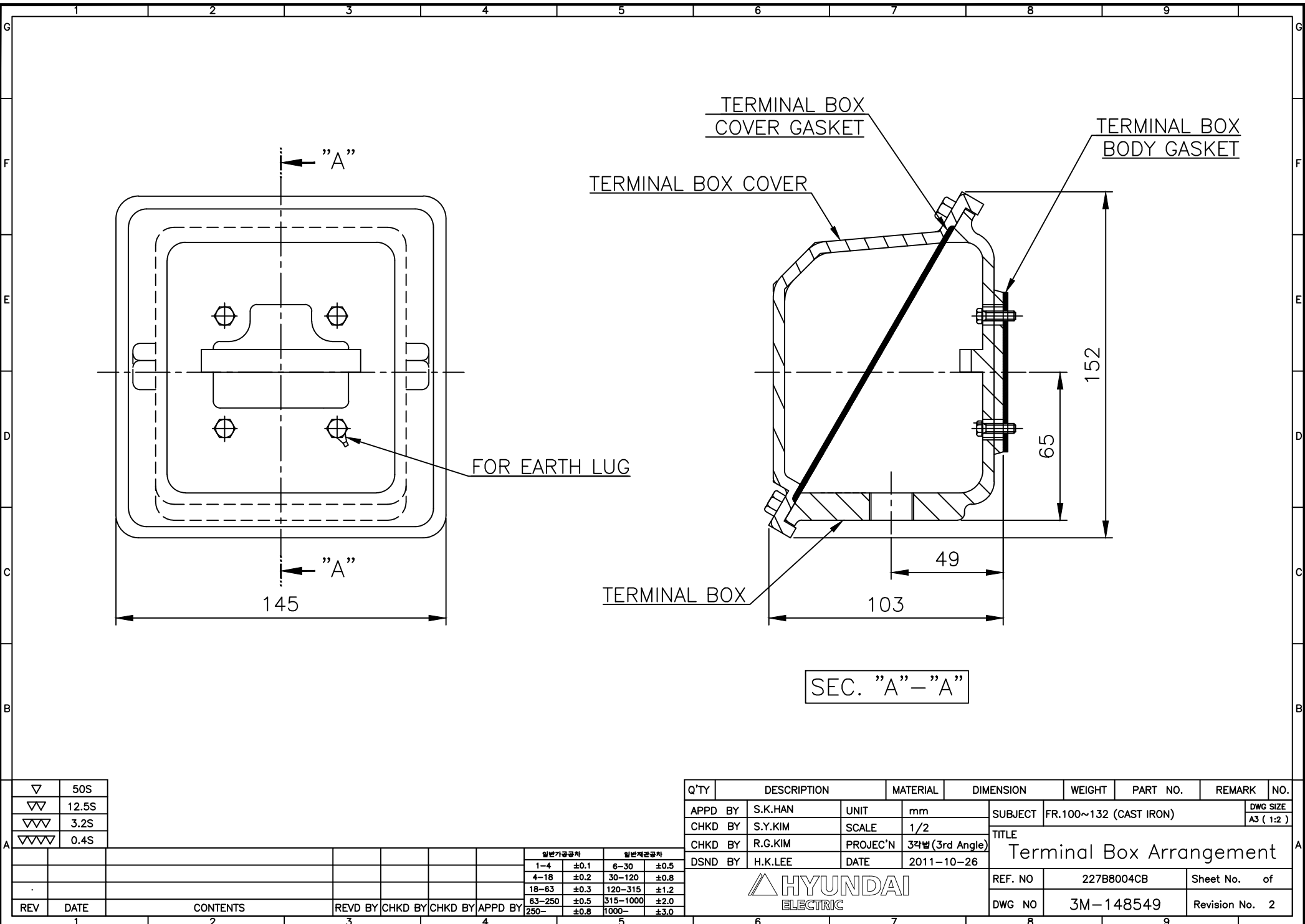
SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE







▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REV'D BY	CHK'D BY	CHK'D BY	APP'D BY

일반가공공차				일반재공공차			
1-4	±0.1	6-30	±0.5	1-4	±0.1	6-30	±0.5
4-18	±0.2	30-120	±0.8	4-18	±0.2	30-120	±0.8
18-63	±0.3	120-315	±1.2	18-63	±0.3	120-315	±1.2
63-250	±0.5	315-1000	±2.0	63-250	±0.5	315-1000	±2.0
250-	±0.8	1000-	±3.0	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.100~132 (CAST IRON)			DWG SIZE
CHKD BY	S.Y.KIM	SCALE	1/2		TITLE Terminal Box Arrangement			A3 (1:2)	
CHKD BY	R.G.KIM	PROJEC'N	3각법 (3rd Angle)						
DSND BY	H.K.LEE	DATE	2011-10-26						
					REF. NO	227B8004CB		Sheet No.	of
					DWG NO	3M-148549		Revision No.	2