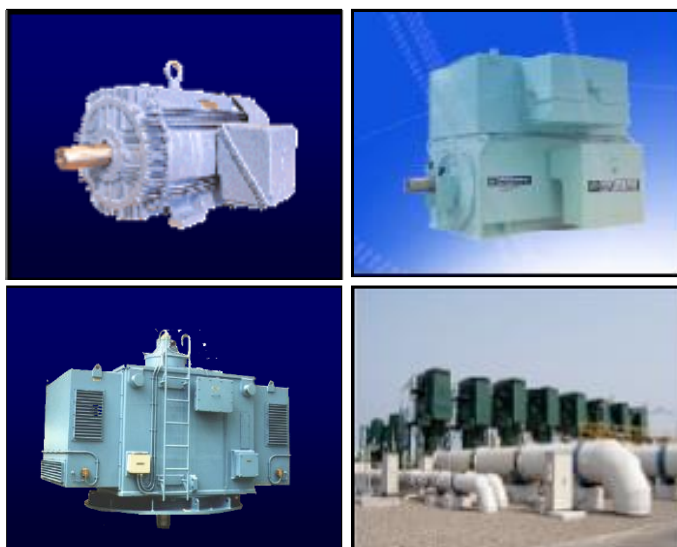


Customer :
Project Name :
Project No. :
Revision No. :

SPECIFICATION for INDUCTION MOTOR



Contents

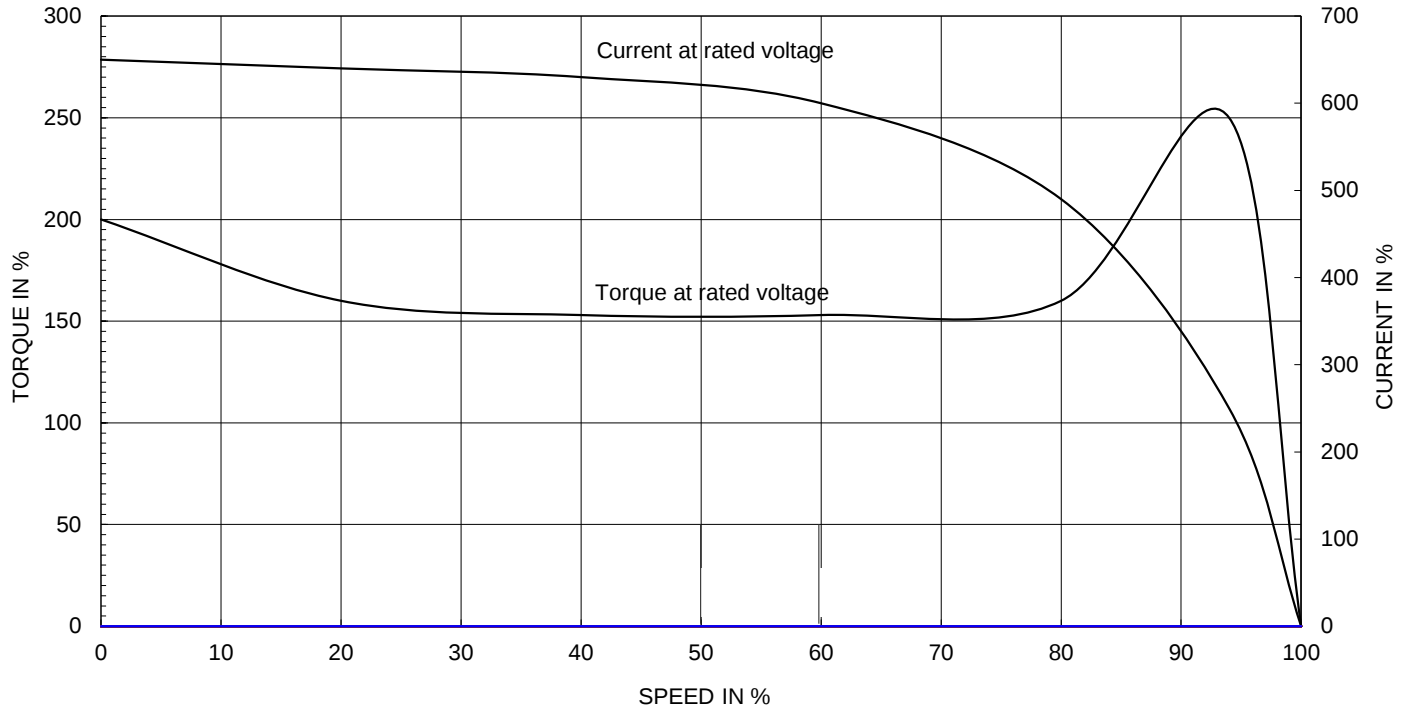
1 . Data Sheet of AC Induction Motor	- 1Sheets
2 . Speed-Torque & Current Curve	- 1Sheets
3 . Outline Dimension Drawing	- 1Sheets
4 . Main Terminal Box Drawing	- 1Sheets

		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		90L		Rated Output		1.1 kW 2 HP		
Type		HLP		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		380 V		
Number of Phases		3		Current		Full Load 2.4 A		
Insulation Class		☒ F ☐ B ☐ H		Locked-rotor**		1000 %		
Temp. Rise at full load (by resistance method)				Efficiency				
at 1.0 S.F		80 deg. C		50% Load		81.5 %		
Motor Location		☒ Indoor ☐ Outdoor		75% Load		84.2 %		
Altitude		Less than 1000		100% Load		84.0 %		
Relative Humidity		Less than 80 %		Power Factor(p.u)				
Ambient Temp.		40 deg. C (Max.)		50% Load		0.540		
Duty Type		Continuous(S1)		75% Load		0.700		
Service Factor		1.15		100% Load		0.840		
Mounting		☐ B3 ☐ B5 ☐ V1 ☒ B3/B5		Speed at Full Load		3500 r.p.m		
Bearing	Type	Anti-Friction		Torque				
	DE/N-DE	6205ZZC3 / 6204ZZC3		Full Load		0.3 kg·m		
	Lubricant	Grease(SML4)		Locked-rotor**		185 %		
External Thrust		Not applicable		Breakdown**		260 %		
Coupling Method		☒ Direct ☐ V-Belt		Moment of Inertia (J)				
Shaft Extension		☒ Single ☐ Double		Load(Max.)		0.160 kg·m ²		
Terminal Box	Main	☐ Steel ☒ Cast Iron		Motor		0.001 kg·m ²		
	Aux.	☐ Yes ☒ No		Sound Pressure Level (No-load & mean value at 1m from motor)				
	Location	Refer to Outline Drawing				73 dB(A)		
Application				Vibration		2.2 mm/sec (r.m.s)		
Area classification		Non-Hazardous		Permissible number of consecutive starts		Cold 3 times		
Type of Ex-Protection		Not applicable				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-T1095B4PL001	27 kg	
				Main T-Box Ass'y		3M-148548		
				REMARK				
				* Premium Efficiency				
				* For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise				
SPARE PARTS								
				Date	DSND	CHKD	CHKD	APPD
				2011-09-01	R.G. KIM	O.J. KIM	J.H. KIM	K.J. KANG
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.								
HEES W230-131-1 * In case of Inverter or V.V.V.F Motor:Performance data is based on sine wave tests. A4(210mm X 297mm)								

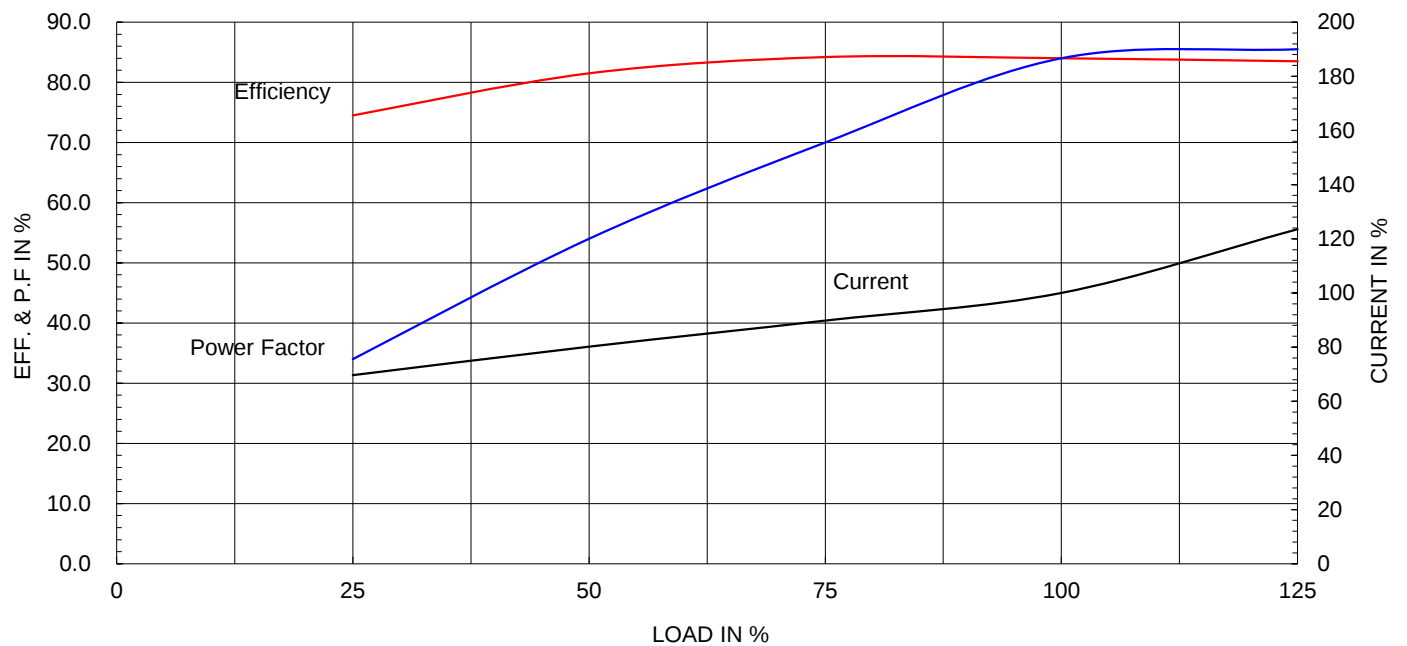
Type :	HLP	
Full Load Torque :	0.3	kg.m
Motor moment of Inertia (J) :	0.001	kg.m ²
Load moment of Inertia (J) :	0.160	kg.m ²

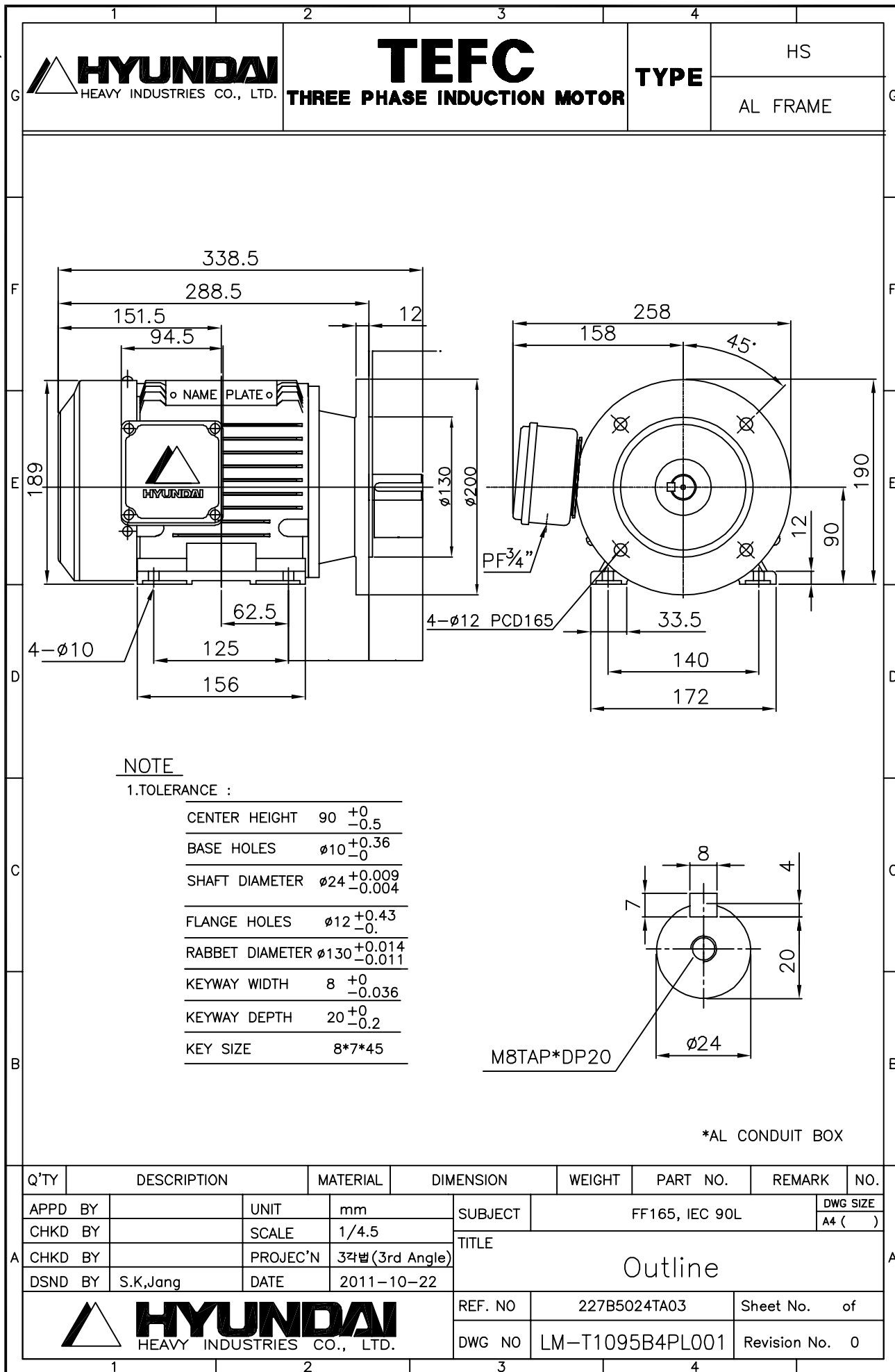
1.1 kW	2 P	60 Hz
Speed at Full Load : 3500 RPM		
Rated Voltage	380V	
Full Load Current	2.4A	

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

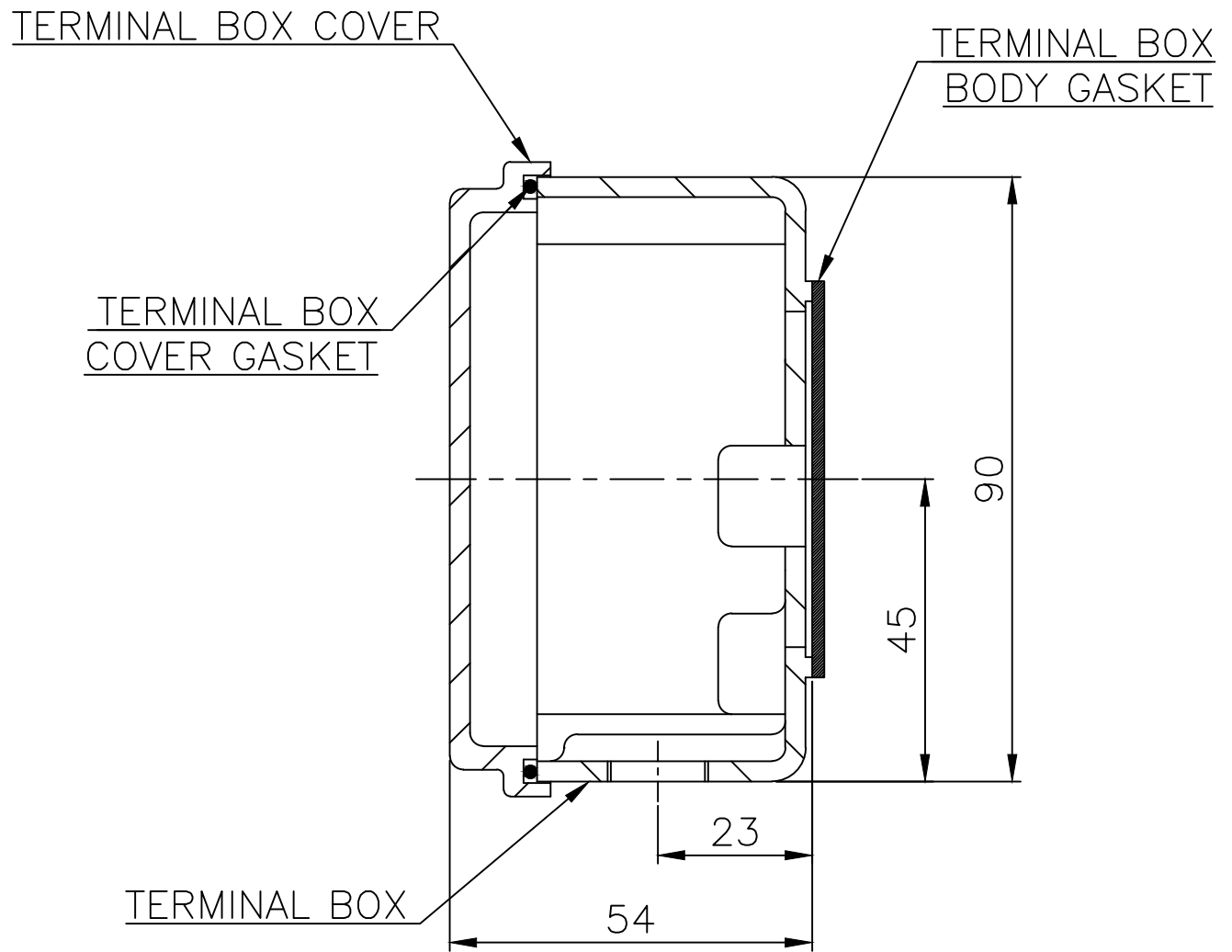
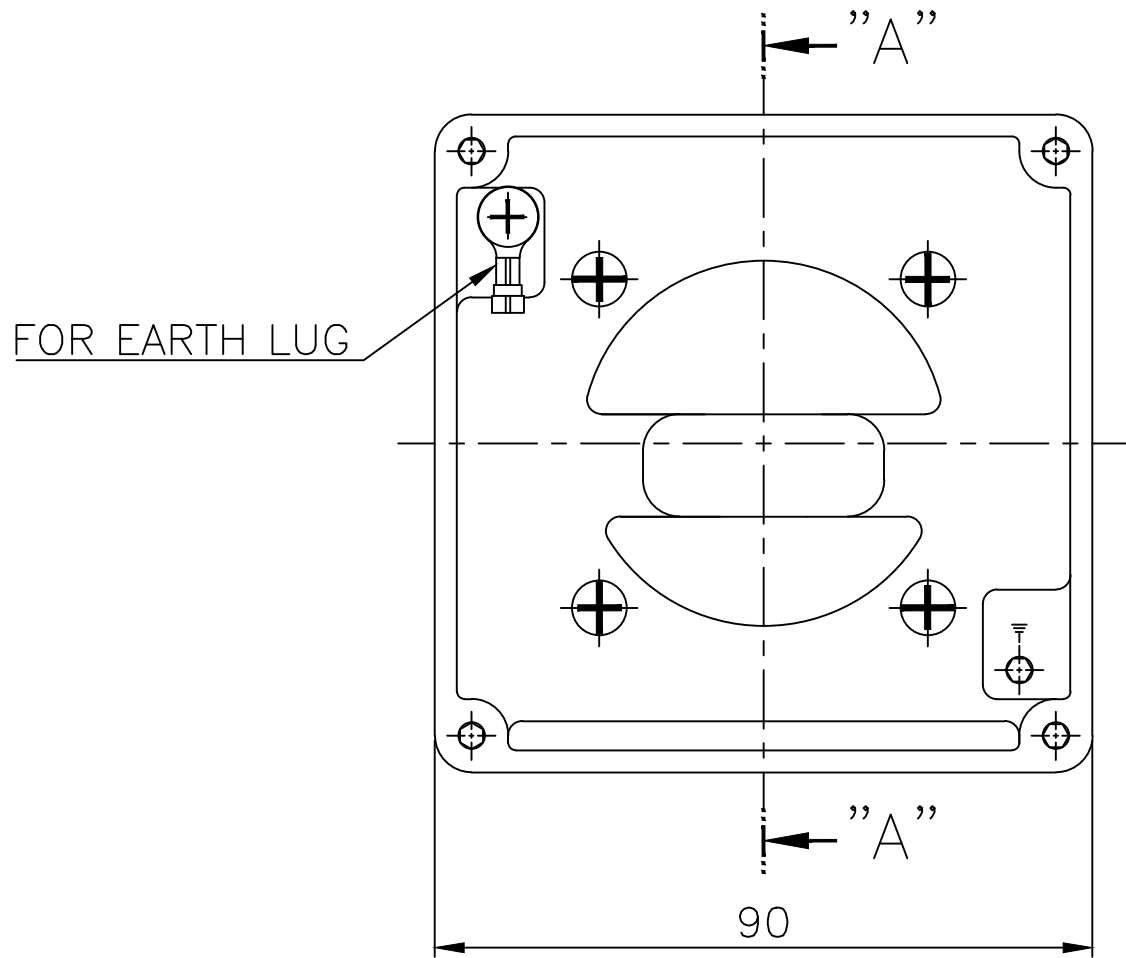




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HYUNDAI
ELECTRIC



SEC. "A" - "A"

▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY

일반가공공차		일반재관공차	
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.71~90 (AL)	DWG SIZE
CHKD BY	S.Y.KIM	SCALE	1/1				A3 (1:1)
CHKD BY	R.G.KIM	PROJEC'N	3각법 (3rd Angle)	TITLE Terminal Box Arrangement			
DSND BY	이혜경 R	DATE	2011-10-26				
				REF. NO	227B1537AA	Sheet No.	of
				DWG NO	3M-148548	Revision No.	2