

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

SPECIFICATION for INDUCTION MOTOR



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		AC INDUCTION MOTOR DATA SHEET											
Model No.or RFQ No.		3806KSTD40SSDS1STFE3V11DL0SDS		Item No.			Rev. No.		[]				
Project Name				Project No.			Quantity						
GENERAL SPECIFICATION				PERFORMANCE DATA									
Frame Size		100L		Rated Output		1.5 kW		2 HP					
Type		HLP-1.5/6		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		3.7 A					
Insulation Class		☒ F ☐ B ☐ H				Locked-rotor**		790 %					
Temp. Rise at full load (by resistance method)				Efficiency									
at 1.0 S.F		80 deg. C				50% Load		87.4 %					
Motor Location		☒ Indoor ☐ Outdoor				75% Load		88.7 %					
Altitude		Less than 1000				100% Load		88.5 %					
Relative Humidity		Less than 80 %		Power Factor(p.u)									
Ambient Temp.		40 deg. C (Max.)				50% Load		0.500					
Duty Type		Continuous(S1)				75% Load		0.620					
Service Factor		1.15				100% Load		0.700					
Mounting		☐ B3 ☐ B5 ☒ V1 ☐ B3/B5		Speed at Full Load		1155 r.p.m							
Bearing	Type	Anti-Friction		Torque									
	DE/N-DE	6206ZZC3 / 6206ZZC3				Full Load		1.3 kg·m					
	Lubricant	Grease(SML4)				Locked-rotor**		180 %					
External Thrust		Not applicable				Breakdown**		260 %					
Coupling Method		☒ Direct ☐ V-Belt		Moment of Inertia (J)									
Shaft Extension		☒ Single ☐ Double				Load(Max.)		3.500 kg·m²					
Terminal Box	Main	☐ Steel ☒ Cast Iron				Motor		0.009 kg·m²					
	Aux.	☐ Yes ☒ No				Sound Pressure Level (No-load & mean value at 1m from motor)							
	Location	Refer to Outline Drawing				60 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.)					
				V1		LM-T1105V1PL001		46 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 : HLP-1.5/6

Full Load Torque : 1.3 kg.m

Motor moment of Inertia (J) : 0.009 kg.m²

Load moment of Inertia (J) : 3.500 kg.m²

1.5 kW

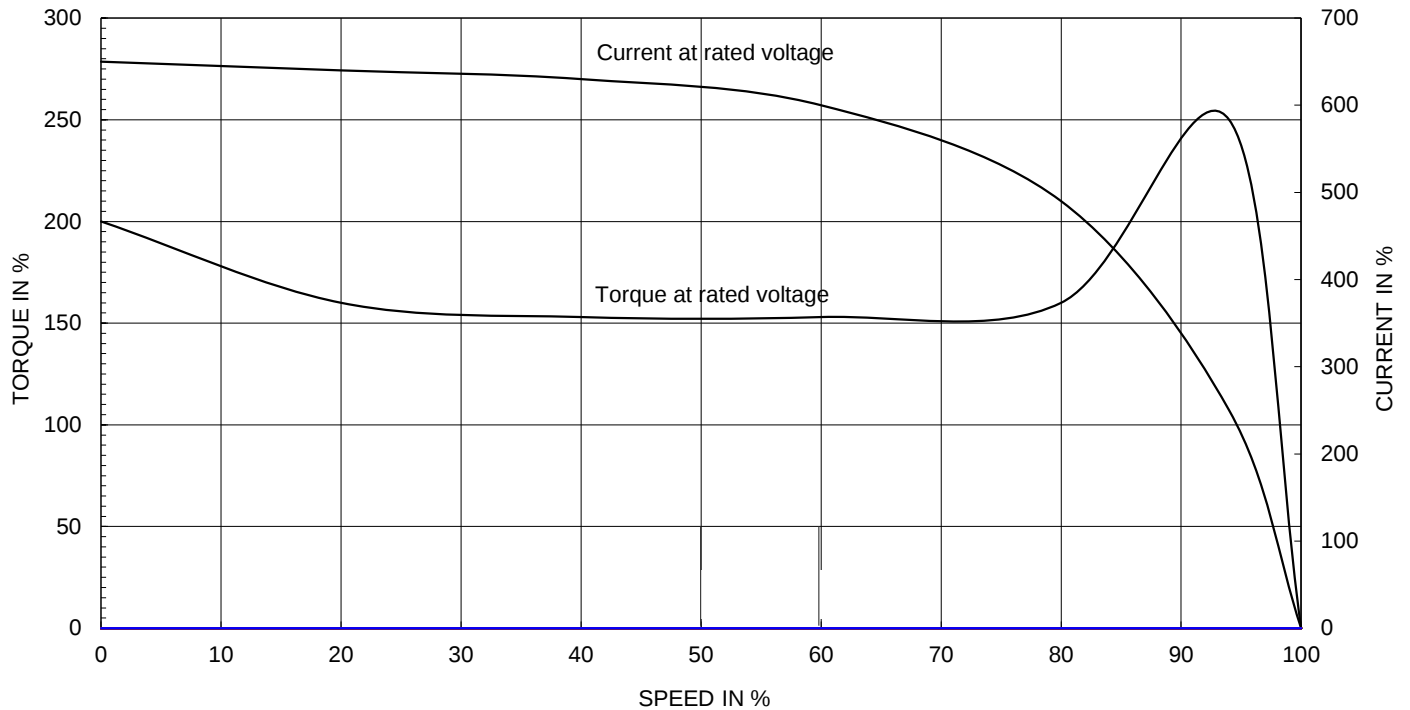
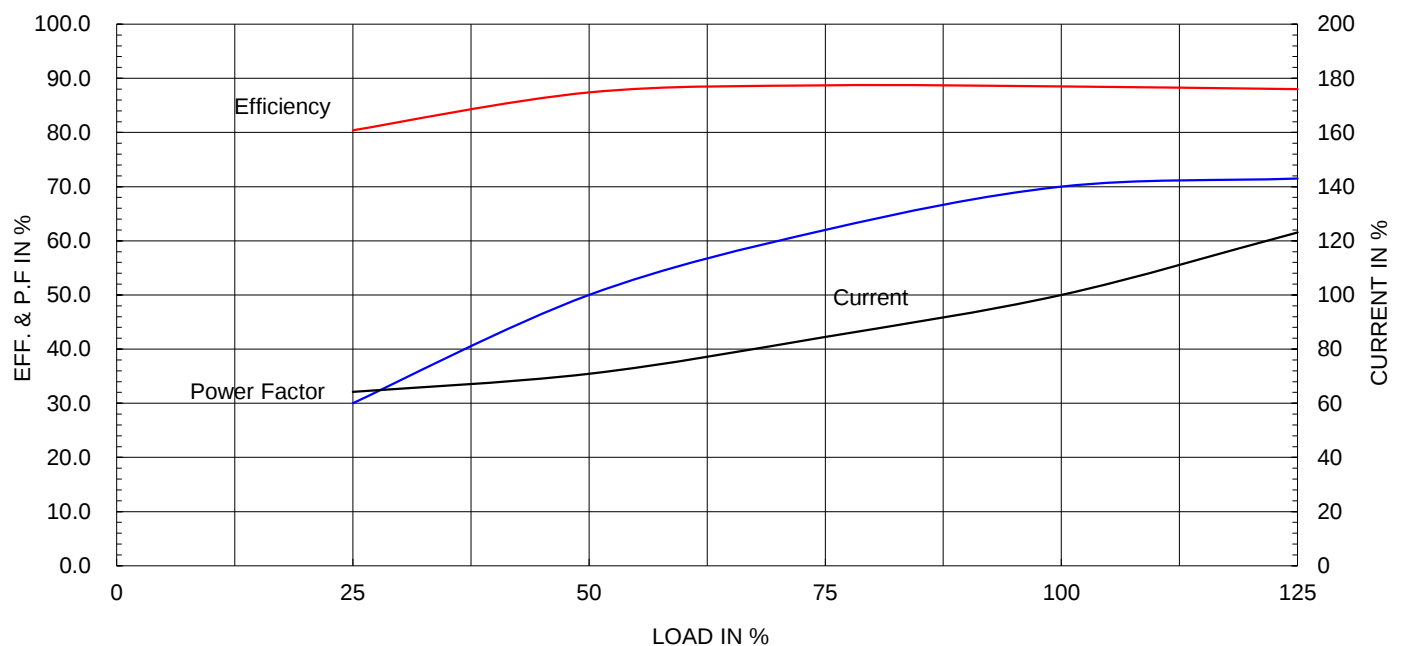
6 P

60 Hz

Speed at Full Load : 1155 RPM

Rated Voltage 380V

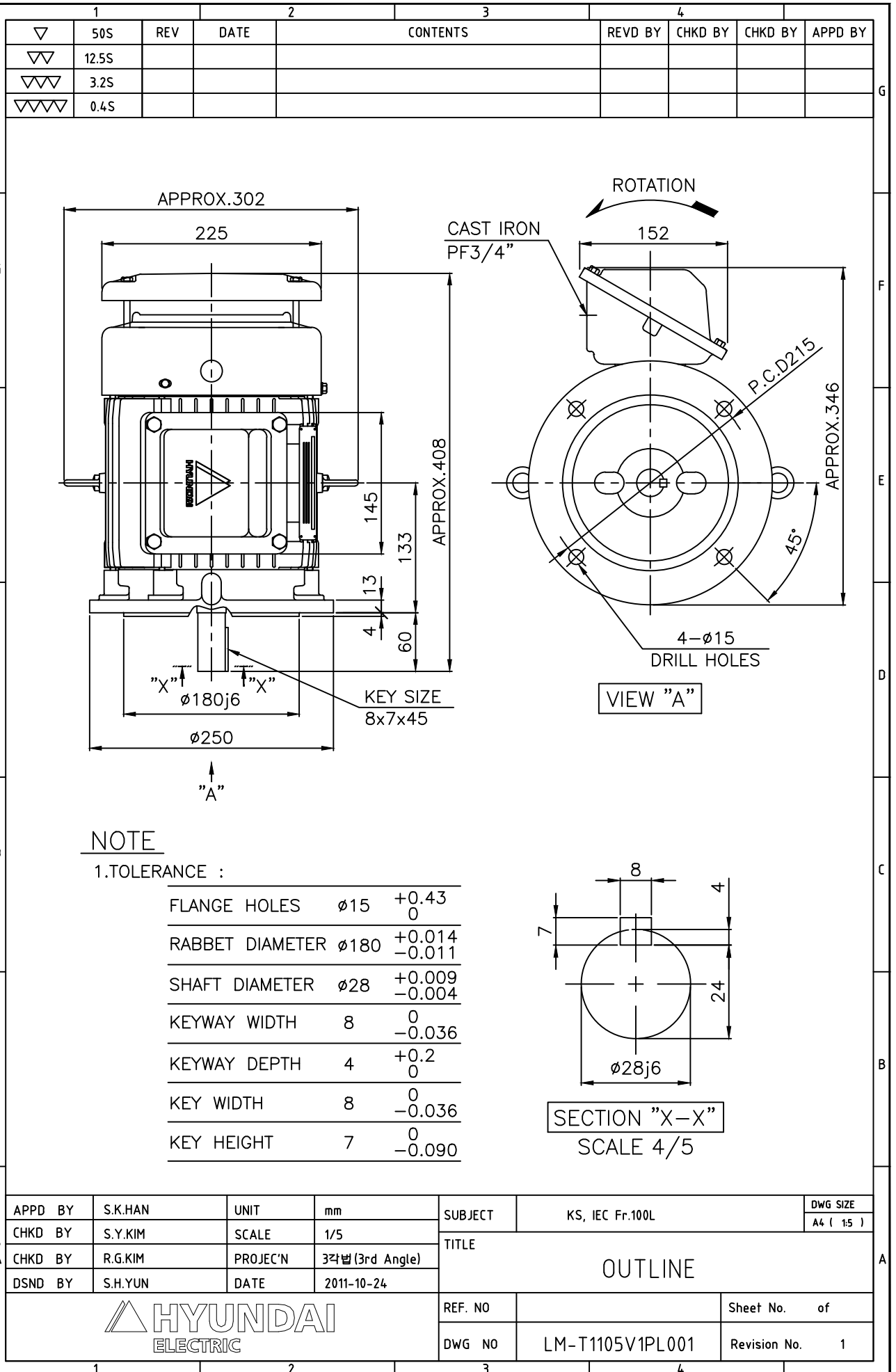
Full Load Current 3.7A

SPEED VS TORQUE & CURRENT CURVE

OUTPUT VS EFF., P.F & CURRENT CURVE


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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

일반가공공차		일반재공공차	
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.100~132 (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				
DSND	BY	H.K.LEE		DATE	2011-10-26		Terminal Box Arrangement				
							REF. NO	227B8004CB		Sheet No.	of
							DWG NO	3M-148549		Revision No.	2
6		7			8		9				