

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.	4606KSTD40SSDS1STFE3V11DL0SD	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*	<input checked="" type="checkbox"/> D.O.L	<input type="checkbox"/> Y-Δ						
Rated Frequency	60 Hz	Rated Voltage	460 V							
Number of Phases	3	Current	Full Load	50.0 A						
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**	720 %						
Temp. Rise at full load (by resistance method)		Efficiency								
at 1.0 S.F	80 deg. C									
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor									
Altitude	Less than 1000	50% Load		94.0 %						
Relative Humidity	Less than 80 %	75% Load		94.3 %						
Ambient Temp.	40 deg. C (Max.)	100% Load		94.1 %						
Duty Type	Continuous(S1)	Power Factor(p.u)								
Service Factor	1.15									
Mounting	<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3/B5									
Bearing	Type	Anti-Friction								
	DE/N-DE	6313ZC3 / 6211ZC3								
	Lubricant	Grease(Gadus S2 V 100 2)								
External Thrust	Not applicable									
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt	Moment of Inertia (J)								
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double									
Terminal Box	Main					<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron	Load(Max.)		50.000 kg·m ²	
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Motor		0.380 kg·m ²					
	Location	Refer to Outline Drawing								
Application		Sound Pressure Level (No-load & mean value at 1m from motor)								
Area classification	Not applicable	70 dB(A)								
Type of Ex-Protection	Non-Hazardous	Vibration								
Applicable Standard	KS, IEC, NEMA MG1 Part30(Vpeak)	2.2 mm/sec (r.m.s)								
ACCESSORIES										
						SUBMITTAL DRAWING				
						Outline Dimension Drawing		Motor Weight(Approx.)		
						V1	LM-T1205V1PL001	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.

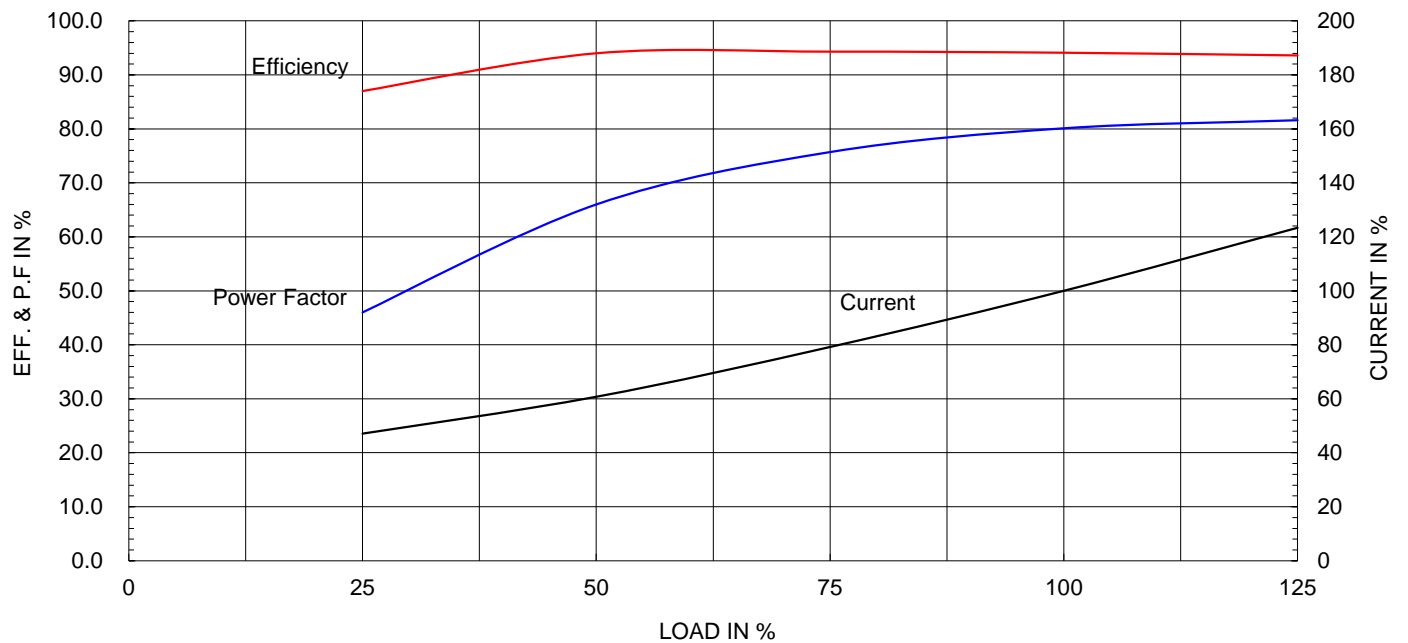
Type :	HLP-30/6	
Full Load Torque :	24.7	kg.m
Motor moment of Inertia (J) :	0.380	kg.m ²
Load moment of Inertia (J) :	50.000	kg.m ²

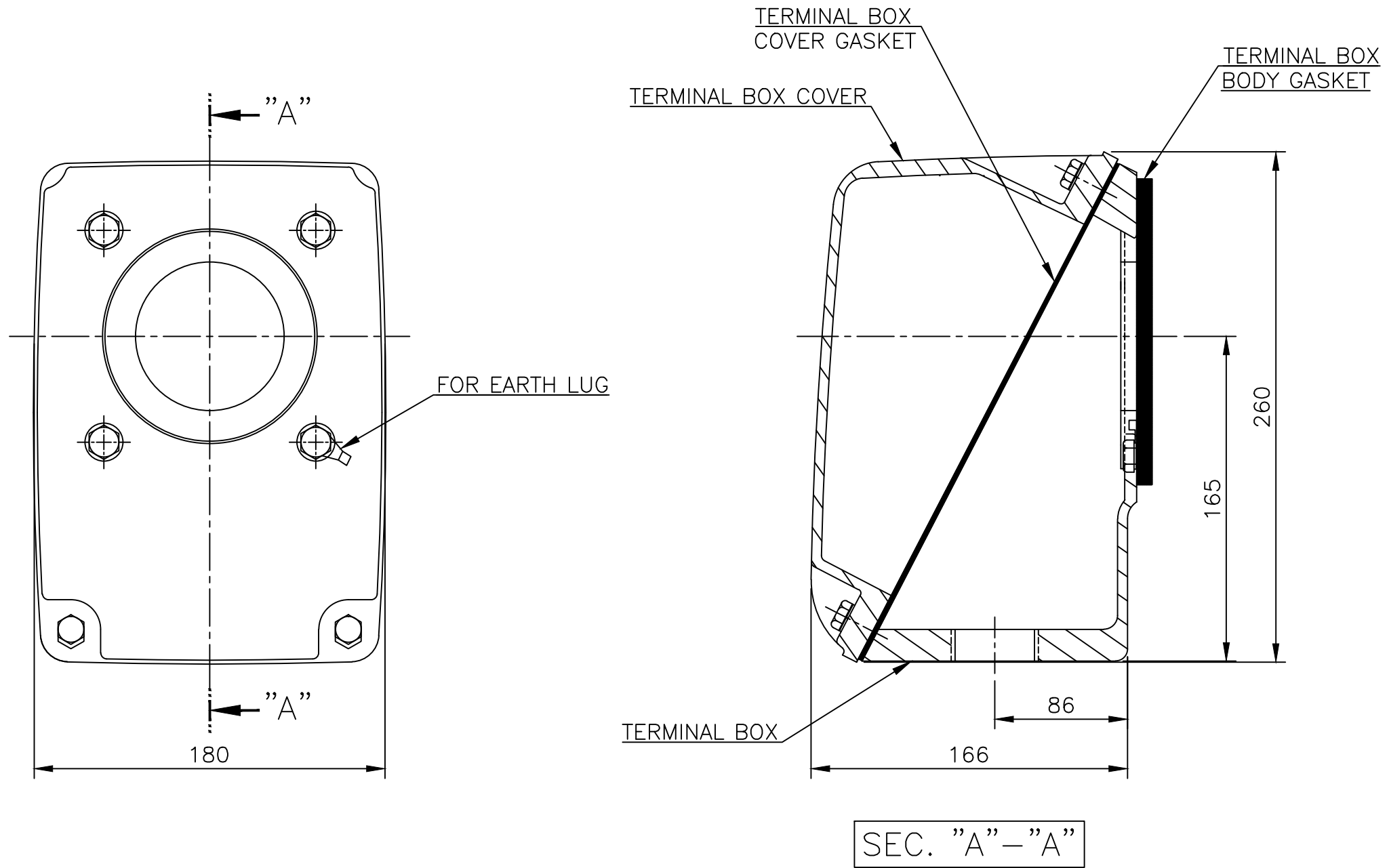
30 kW	6 P	60 Hz
Speed at Full Load :		1185 RPM
Rated Voltage	460V	
Full Load Current	50.0A	

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY

일반가공차		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.200 (CAST IRON)	DWG SIZE	A3 (1:2)
CHKD BY	S.Y.KIM	SCALE	1/2	TITLE Main Terminal Box Assembly			
CHKD BY	R.G.KIM	PROJEC'N	3각법(3rd Angle)				
DSND BY	H.K.LEE	DATE	2011-08-30	REF. NO.	227B8003CB5	Sheet No.	of
				DWG NO.	3M-145864	Revision No.	2