



AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.	Item No.	Rev. No.	[0]
Project Name	Project No.	Quantity	sets

GENERAL SPECIFICATION		PERFORMANCE DATA				
Frame Size	100L	Rated Output	1.5 kW 2 HP			
Type	HS	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	440 V	380 V	220 V	
Number of Phases	3	Current	Full Load	3.3 A	3.8 A	6.6 A
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H	Locked-rotor**	630 %	630 %	630 %	
Temp. Rise at full load (by resistance method)		Efficiency				
at 1.0 S.F	80 deg. C	50% Load 85.3 %				
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	75% Load 86.7 %				
Altitude	Less than 1000 meter	100% Load 86.5 %				
Relative Humidity	Less than 80 %	Power Factor(p.u)				
Ambient Temp.	40 deg. C (Max.)	50% Load 0.497				
Duty Type	Continuos (S1)	75% Load 0.614				
Service Factor	1.15	100% Load 0.690				
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5	Speed at Full Load 1155 r.p.m				
Bearing	Type	Anti-Friction				
	DE/N-DE	6206ZZC3 / 6206ZZC3				
	Lubricant	Grease(Polyrex-EM)				
External Thrust	Not applicable					
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt	Torque				
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double	Full Load 1.3 kg-m				
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron				
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Location	Refer to Outline Drawing					
Application		Moment of Inertia (J)				
Area classification	Non-Hazardous	Load(Max.) 3.500 kg-m ²				
Type of Ex-Protection	Not applicable	Motor 0.009 kg-m ²				
Applicable Standard	KS,IEC,NEMA MG1 Part30(Vpeak)	Sound Pressure Level (No-load & mean value at 1m from motor)				
		60 dB(A)				
		Vibration 1.6 mm/sec (r.m.s)				
		Permissible number of consecutive starts				
		Cold 3 times				
		Hot 2 times				
		Paint	Munsell No.	4.0PB5.4/5.5(VL-451)		

ACCESSORIES	SUBMITTAL DRAWING			
	Outline Dimension Drawing \ Motor Weight(Approx.)			
	B3	227B7000AA01	38	kg
	B5	227B2020AB01	40	kg
	V1	227B2060AB01	40	kg
	B3/B5	227B2040AB01	40	kg
	Main T-Box Ass'y	227B9003CB1		

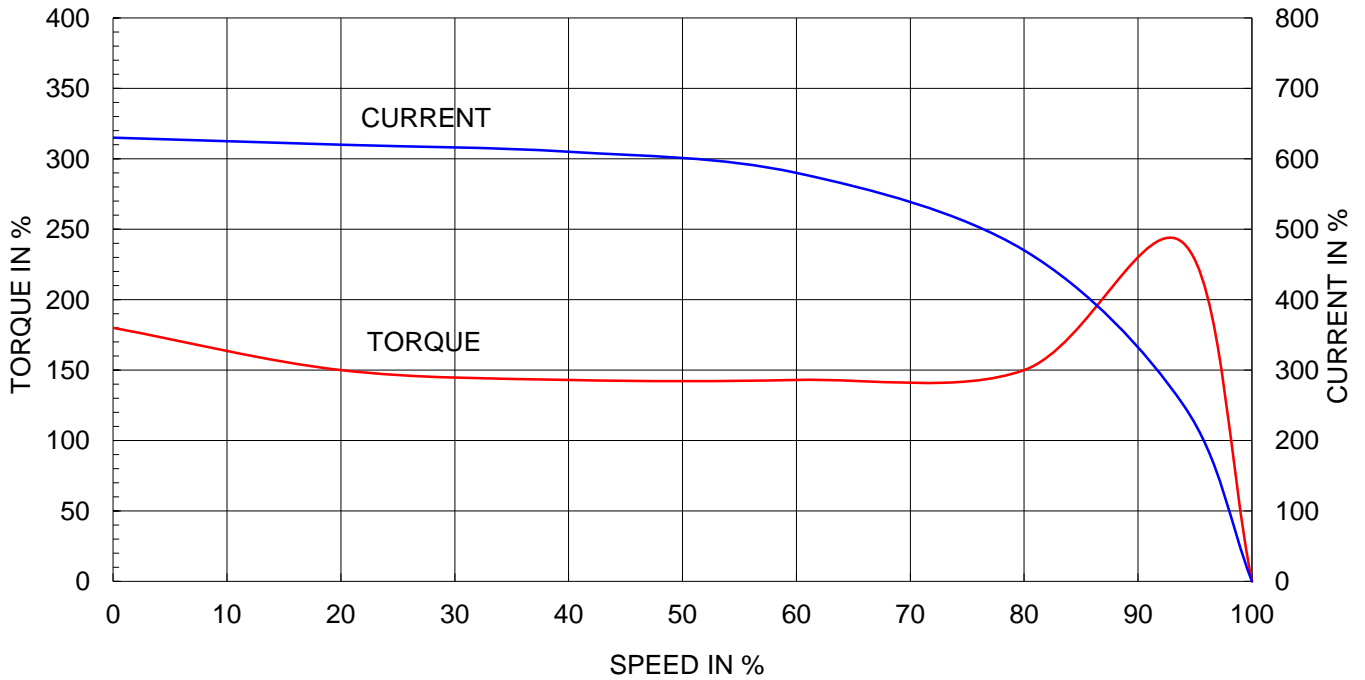
SPARE PARTS	REMARK	High Efficiency			
	* For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise				
	Date	DSND	CHKD	CHKD	APPD
	2011-04-14	W.H.BACK	S. J. RA	O. J. KIM	J. H. KIM

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.
 ** Data is based on when the motor is supplied at rated voltage & frequency, and the data is expressed as a percentage of full-load value.

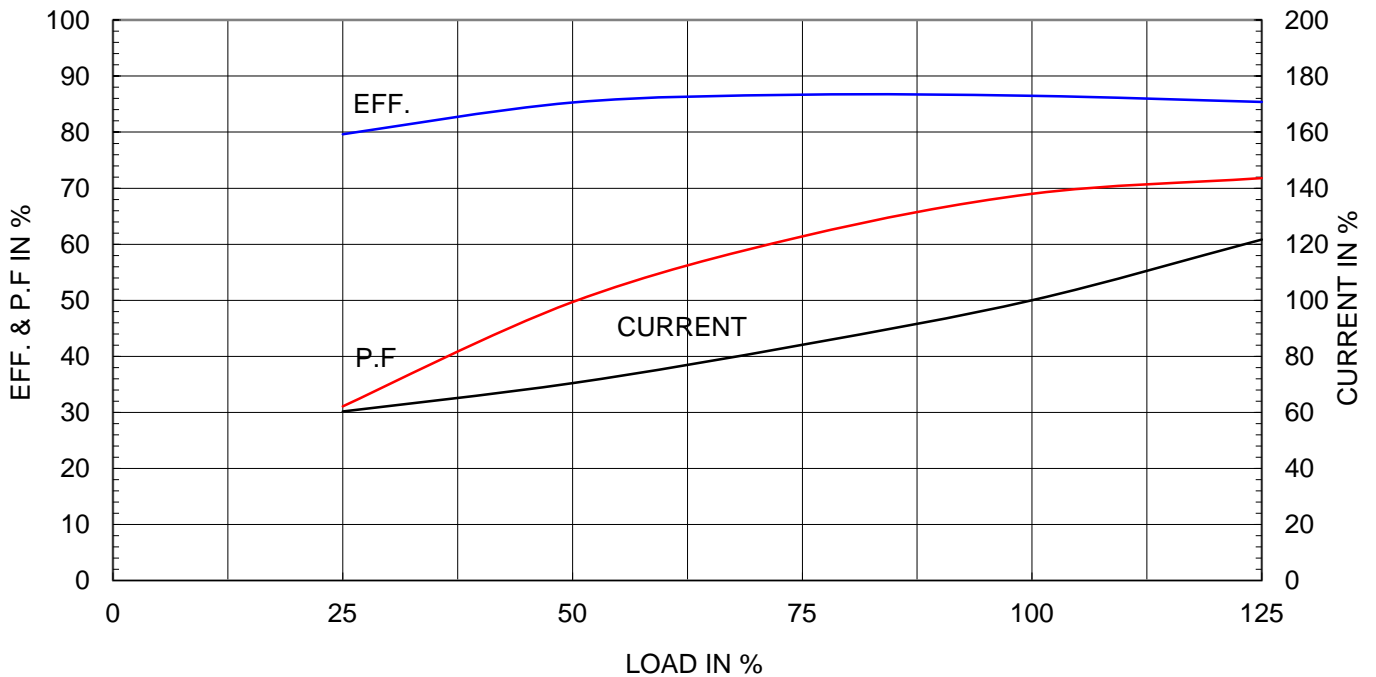
Type	:	HS
Full Load Torque	:	1.3 Kg.m
Motor moment of Inertia (J)	:	0.009 Kg.m ²
Load moment of Inertia (J)	:	3.500 Kg.m ²

1.5 kW	6 P	60 Hz	
Speed at Full Load :		1155 RPM	
Rated Voltage	440V	380V	220V
Full Load Current	3.3A	3.8A	6.6A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





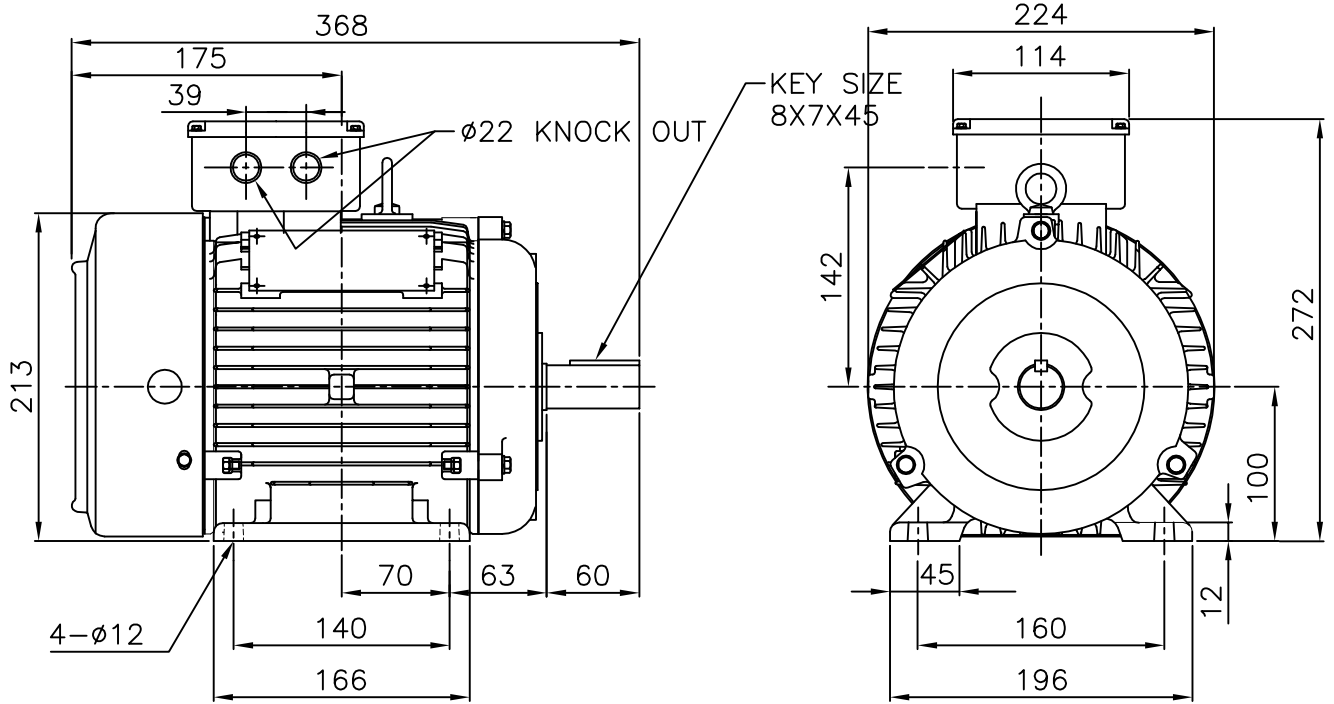
TEFC

THREE PHASE INDUCTION MOTOR

TYPE

HL, HLS

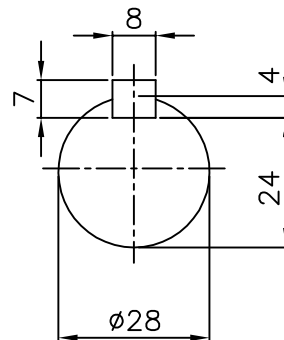
ALUMINUM FRAME



NOTE

1.TOLERANCE :

CENTER HEIGHT	100 ⁺⁰ _{-0.5}
BASE HOLES	ø12 ^{+0.43} ₋₀
SHAFT DIAMETER	ø28 ^{+0.009} _{-0.004}
KEYWAY WIDTH	8 ⁺⁰ _{-0.036}
KEYWAY DEPTH	4 ^{+0.2} ₋₀

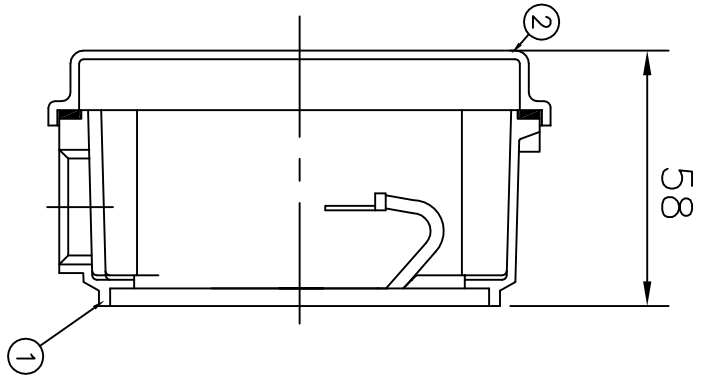
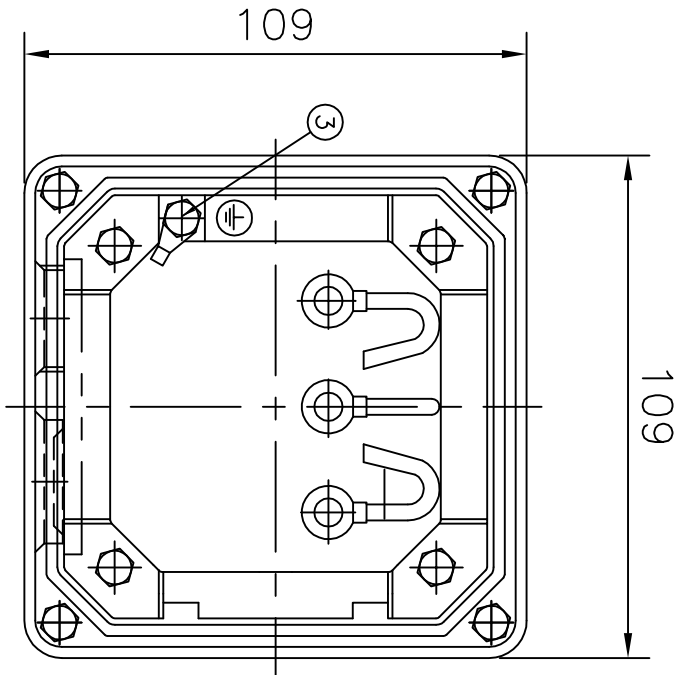


APPD BY	J. H. KIM	UNIT	mm
CHKD BY	Y. S. KIM	SCALE	1/5
CHKD BY	S. H. KO	PROJEC'N	3rd Angle
DSND BY	I. K. KIM	DATE	2003.06.16

SUBJECT	KS 100L AL	CAD PROJ \ FILE	XSDNKS\B7000AA01
TITLE	OUTLINE		



REF. NO	B7000AA01	Sheet No.	of
DWG NO	227B7000AA01	Revision No.	0



PT	DESCRIPTION	MATERIAL	Q'TY
1	CONDUIT BOX	ALDCS8	1
2	CONDUIT BOX COVER	ALDCS8	1
3	GROUND TERMINAL BOLT & LUG	CU	1

REV	DATE	CONTENTS	REV'D BY	CHK'D BY	APP'D BY
1					

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APP'D BY	UNIT	inch	SUBJECT	IEC 100, 112FR			
CHK'D BY	SCALE	N/S					
DSND BY	PROJEC'N	3 [Z]r[lg]r[3rd]	TITLE	CONDUIT BOX ASS'Y			
BY	JEONG JIN SEON	DATE	2006.12.12	REF. NO.	227B9003CB1	Sheet No.	of
				DWG NO.	227B9003CB1	Revision No.	0

