



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	2.2 kW	3 HP	
Type	HS	Number of Poles	4		
Enclosure(Protection)	Totally Enclosed (IP55)	Rotor Type	Squirrel Cage		
Method of Cooling	IC411(FC)	Starting Method*	<input 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	4.1 A	4.7 A 8.2 A
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H	Locked-rotor**	650 %	650 %	650 %
Temp. Rise at full load (by resistance method)	at 1.0 S.F 80 deg. C	Efficiency	50% Load 87.0 %		
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		75% Load 88.0 %		
Altitude	Less than 1000 meter		100% Load 87.5 %		
Relative Humidity	Less than 80 %	Power Factor(p.u)	50% Load 0.649		
Ambient Temp.	40 deg. C (Max.)		75% Load 0.753		
Duty Type	Continuous (S1)		100% Load 0.805		
Service Factor	1.15	Speed at Full Load	1750 r.p.m		
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5	Torque	Full Load 1.2 kg-m		
Bearing	Type Anti-Friction		Locked-rotor** 200 %		
	DE/N-DE 6206ZZC3 / 6206ZZC3		Breakdown** 270 %		
	Lubricant Grease(Polyrex-EM)	Moment of Inertia (J)	Load(Max.) 2.500 kg-m ²		
External Thrust	Not applicable		Motor 0.008 kg-m ²		
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt	Sound Pressure Level (No-load & mean value at 1m from motor)	64 dB(A)		
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double	Vibration	1.6 mm/sec (r.m.s)		
Terminal	Main <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Aluminium	Permissible number of consecutive starts	Cold 3 times		
Box	Aux. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Hot 2 times		
	Location Refer to Outline Drawing	Paint	Munsell No.	4.0PB5.4/5.5(VL-451)	

ACCESSORIES	SUBMITTAL DRAWING				
	Outline Dimension Drawing		Motor Weight(Approx.)		
	B3	227B7000AA01	25 kg		
	Main T-Box Ass'y	227B9003CB			

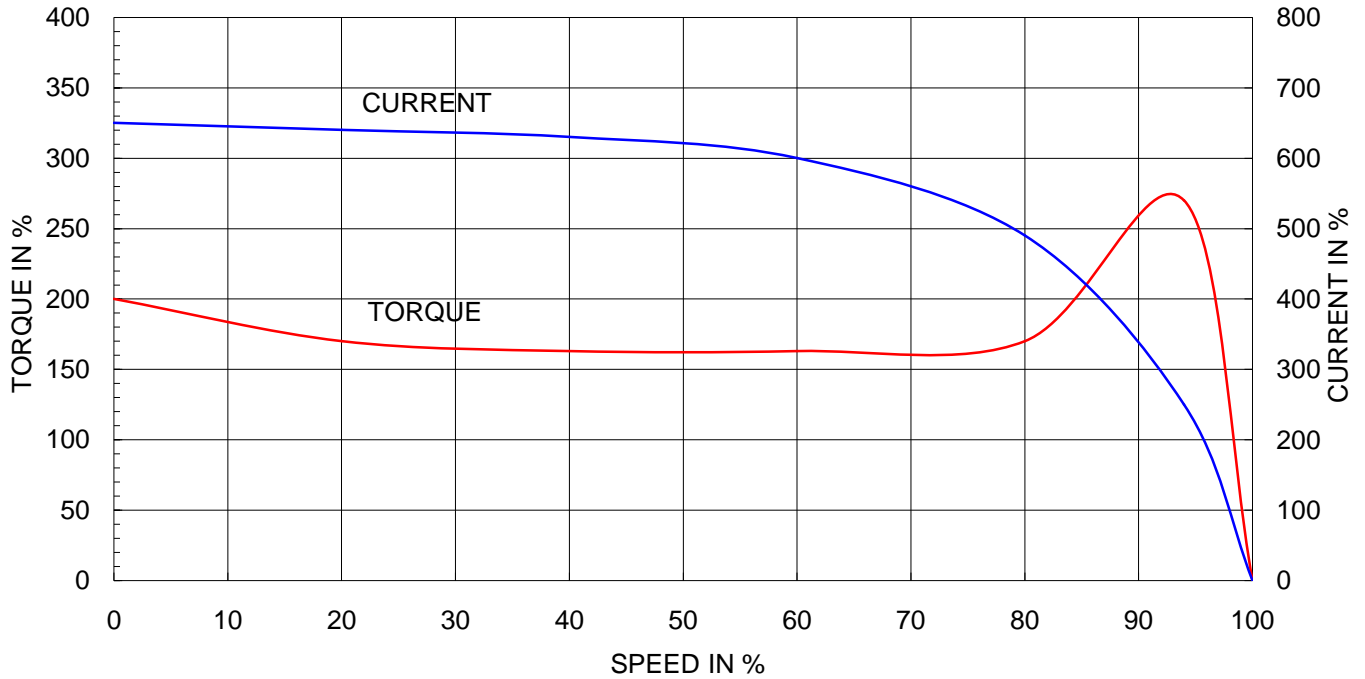
SPARE PARTS	REMARK				
	High Efficiency				
	* For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise				
	Date	DSND	CHKD	CHKD	APPD
	2011-04-14	W.H.BACK	S. J. RA	O. J. KIM	J. H. KIM

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.

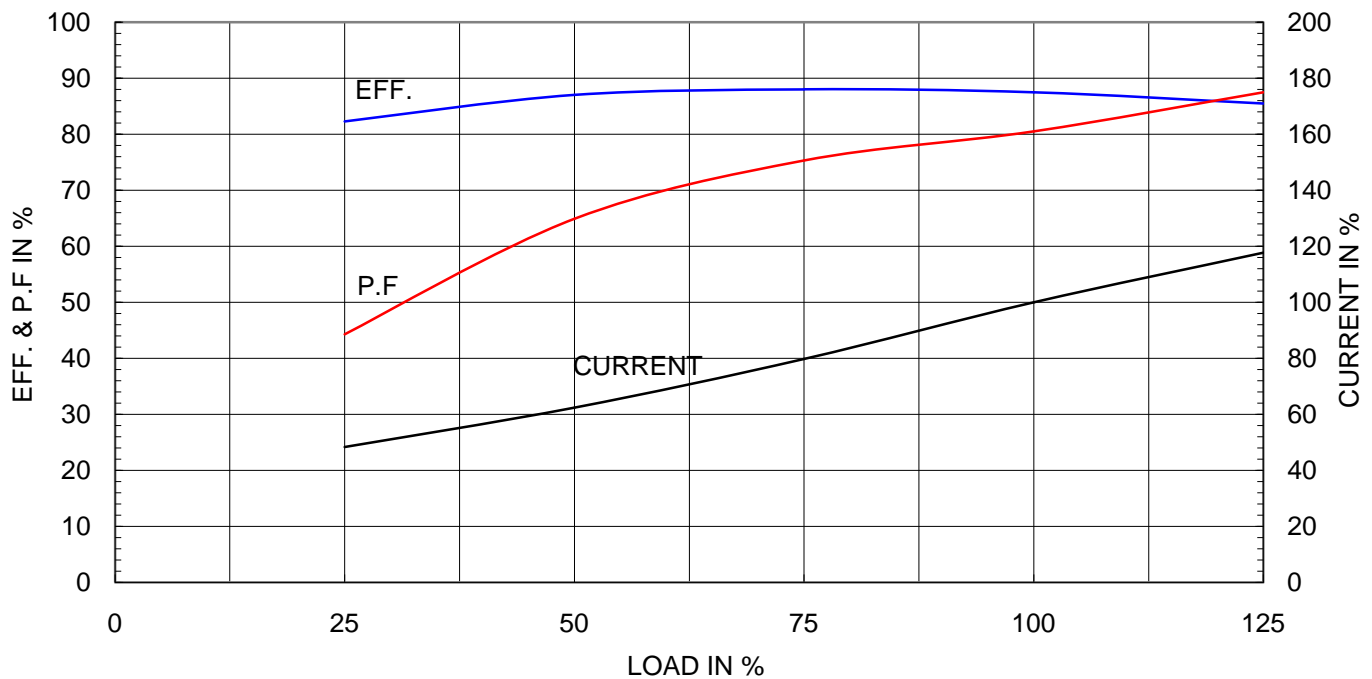
Type	:	HS
Full Load Torque	:	1.2 Kg.m
Motor moment of Inertia (J)	:	0.008 Kg.m ²
Load moment of Inertia (J)	:	2.500 Kg.m ²

2.2 kW	4 P	60 Hz	
Speed at Full Load :		1750 RPM	
Rated Voltage	440V	380V	220V
Full Load Current	4.1A	4.7A	8.2A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





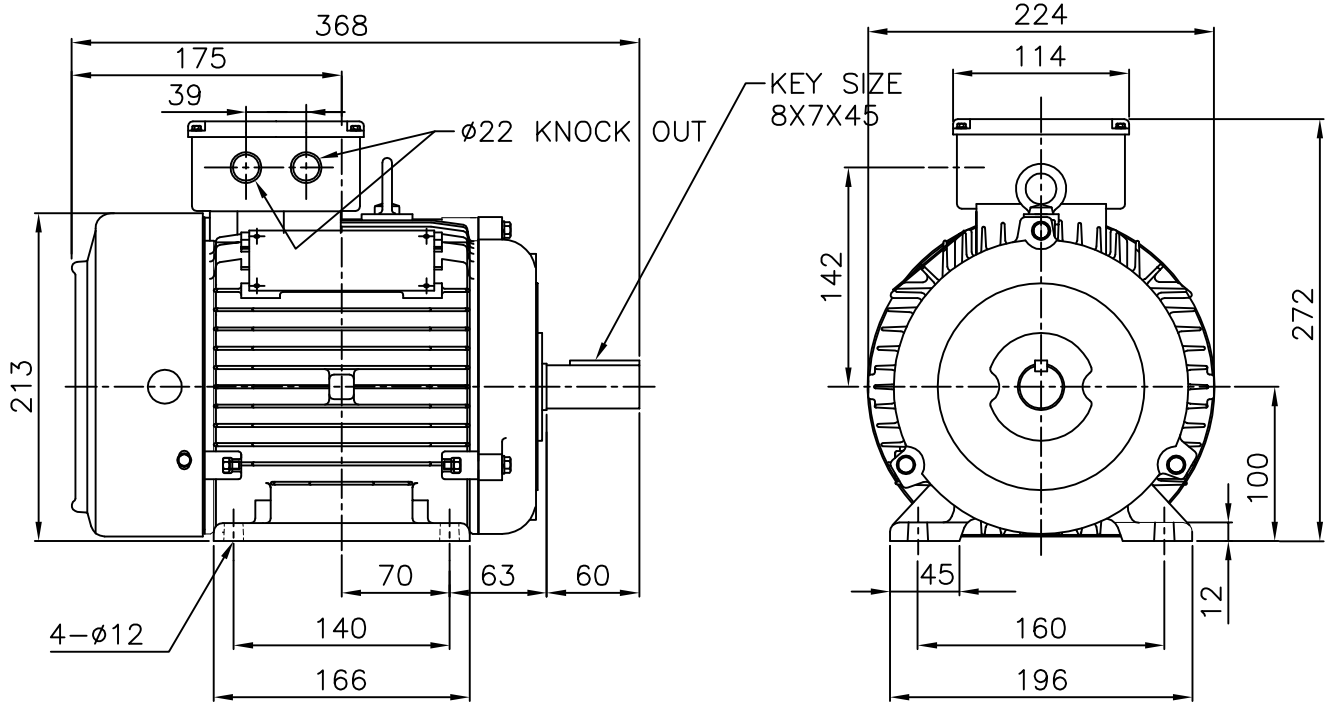
TEFC

THREE PHASE INDUCTION MOTOR

TYPE

HL, HLS

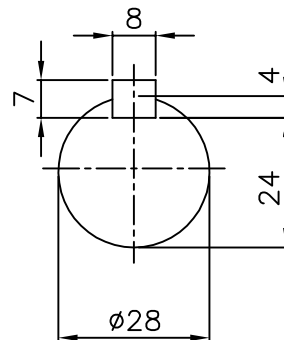
ALUMINUM FRAME



NOTE

1.TOLERANCE :

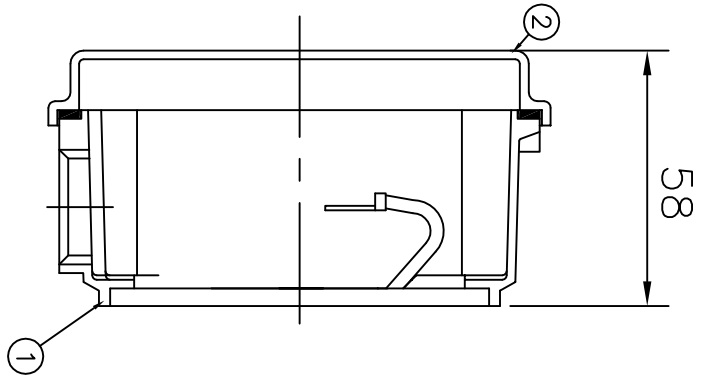
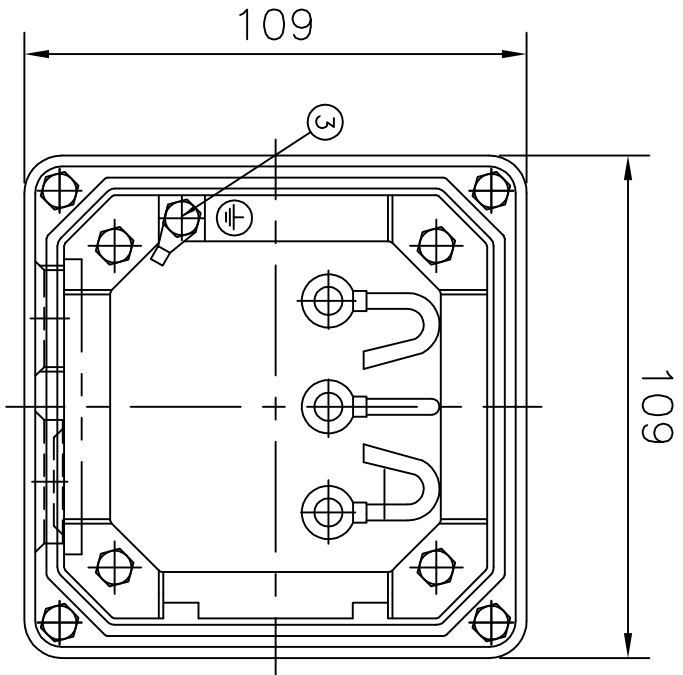
CENTER HEIGHT	100 ⁺⁰ _{-0.5}
BASE HOLES	ø12 ^{+0.43} ₋₀
SHAFT DIAMETER	ø28 ^{+0.009} _{-0.004}
KEYWAY WIDTH	8 ⁺⁰ _{-0.036}
KEYWAY DEPTH	4 ^{+0.2} ₋₀



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	BY	APP'D BY
1						

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
	CONDUIT BOX ASS'Y				227B9003CB1		0

APPD BY	UNIT	SCALE	N/S	PROJECT	3 [Z]r[lg]r[3rd]
CHKD BY	DATE	2006.12.12			
DSND BY	JEONG JIN SEON				

REF. NO.	227B9003CB1	SHEET NO.	0
DWG NO.	227B9003CB1	Revision No.	0

