

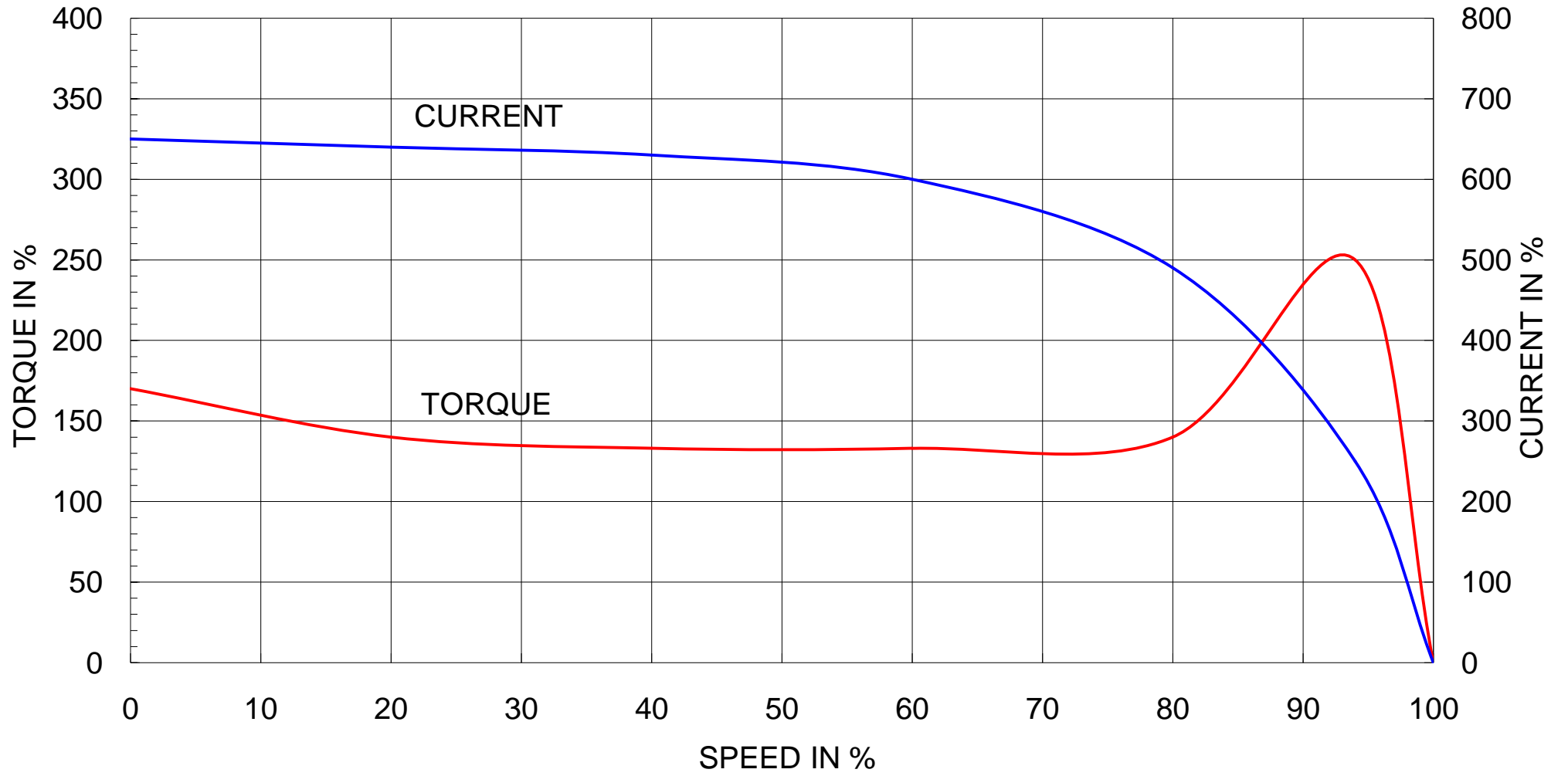


AC INDUCTION MOTOR DATA SHEET

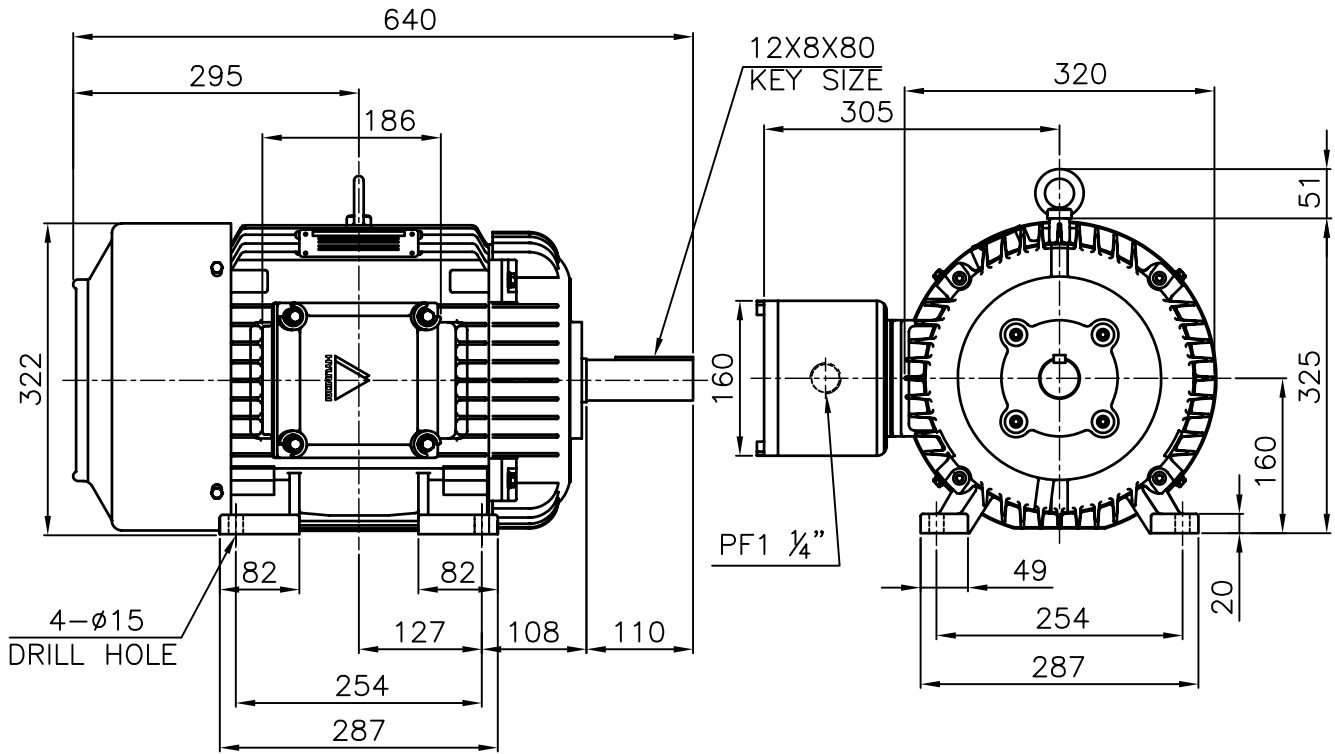
Model No.or RFQ No.		Item No.		Rev. No. [0]			
Project Name		Project No.		Quantity sets			
GENERAL SPECIFICATION			PERFORMANCE DATA				
Frame Size	160L		Rated Output	11 kW 15 HP			
Type	HL-XP		Number of Poles	6			
Enclosure(Protection)	Explosion Proof (IP55)		Rotor Type	Squirrel Cage			
Method of Cooling	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	21.1 A 24.4 A 42.1 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)			Efficiency				
at 1.0 S.F			80 deg. C				
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		50% Load				
Altitude	Less than 1000 meter		75% Load				
Relative Humidity	Less than 80 %		100% Load				
Ambient Temp.	40 deg. C (Max.)		Power Factor(p.u)				
Duty Type	Continuos (S1)		50% Load				
Service Factor	1.00		75% Load				
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5		100% Load				
Bearing	Type	Anti-Friction		Speed at Full Load			
	DE/N-DE	6309ZZC3 / 6309ZZC3		1170 r.p.m			
	Lubricant	Grease(Polyrex-EM)		Torque			
External Thrust	Not applicable		Full Load				
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt		Locked-rotor**				
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		Breakdown**				
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Moment of Inertia (J)			
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Load(Max.)			
Location	Refer to Outline Drawing		Motor				
Application			Sound Pressure Level (No-load & mean value at 1m from motor)				
Area classification	Hazardous		66 dB(A)				
Type of Ex-Protection	Ex d IIB T4		Vibration				
Applicable Standard	KS,IEC		2.2 mm/sec (r.m.s)				
ACCESSORIES			SUBMITTAL DRAWING				
			Outline Dimension Drawing \ Motor Weight(Approx.)				
			B3	227B2002AA06	157 kg		
			B5		kg		
			V1		kg		
			B3/B5		0 kg		
			Main T-Box Ass'y				
			227B1470LB				
SPARE PARTS			REMARK				
			High Efficiency				
			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.

SPEED VS TORQUE & CURRENT CURVE



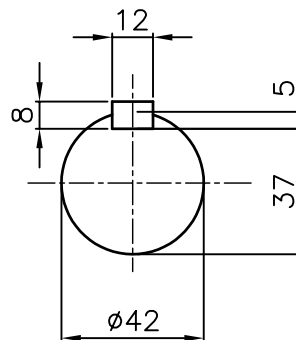
Exd II



NOTE

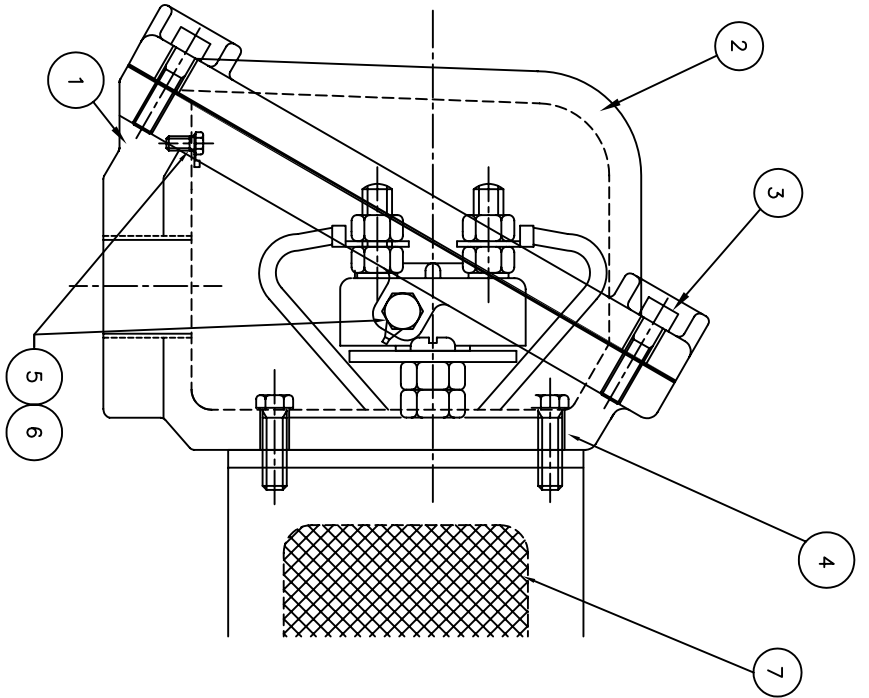
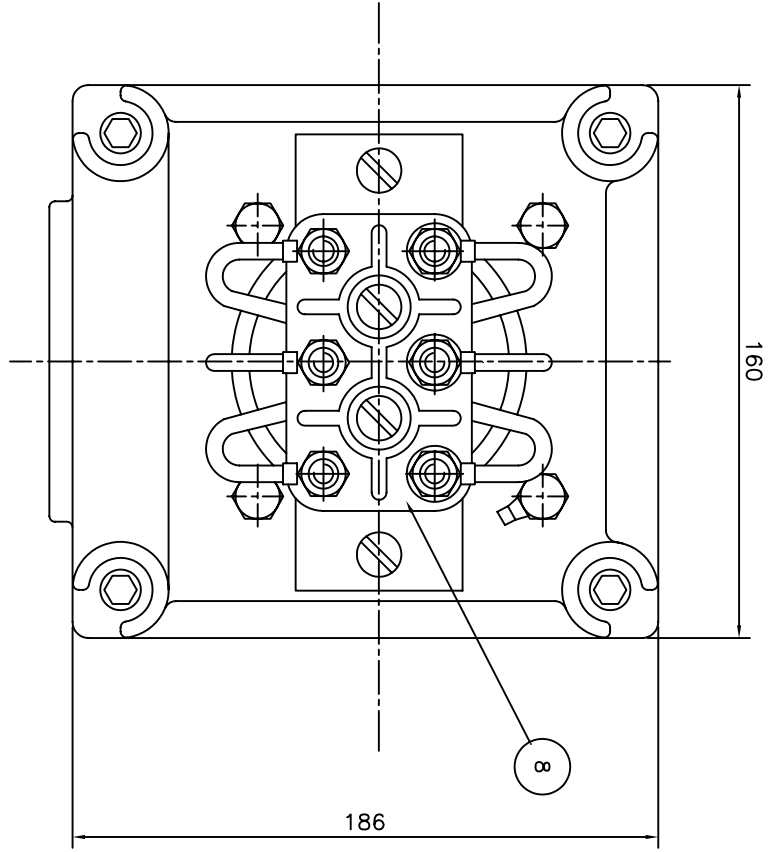
1.TOLERANCE :

CENTER HEIGHT	160	$\begin{matrix} 0 \\ -0.5 \end{matrix}$
BASE HOLES	$\phi 15$	$\begin{matrix} +0.43 \\ 0 \end{matrix}$
SHAFT DIAMETER	$\phi 42$	$\begin{matrix} +0.018 \\ +0.002 \end{matrix}$
KEYWAY WIDTH	12	$\begin{matrix} 0 \\ -0.043 \end{matrix}$
KEYWAY DEPTH	5	$\begin{matrix} +0.2 \\ 0 \end{matrix}$



APPD BY	Y. S. KIM	UNIT	mm
CHKD BY	K. S. LEE	SCALE	1/8
CHKD BY	-----	PROJEC'N	3rd Angle
DSND BY	I. K. KIM	DATE	2008.10.22

SUBJECT	KS 160L	CAD PROJ \ FILE	XSDNKS\B2002AA06
TITLE	OUTLINE		
REF. NO	B2002AA06	Sheet No.	of
DWG NO	227B2002AA06	Revision No.	0



1	TERMINAL BLOCK	D4C29C																
	SEALING COMPOUND	CU																
2	GRD TERMINAL LUG	S45C																
2	GRD. BOLT	S45C																
4	T/B + FRAME BOLT	S45C																
4	T/B + COVER BOLT	S45C																
1	TERMINAL BOX COVER	FC15																
1	TERMINAL BOX ASSEMBLY	FC15																
Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.											
APPD BY	UNIT	MM	SUBJECT	IEC 160/180FR d2G4	CAD PROJ \FILE													
CHKD BY	SCALE	N/S	CHKD BY	PROJEC'N	3*4# (3rd Angle)	XSMOUT\7B1468LB												
DSND BY	DATE	99.2.2	DSND BY	LEE E.J.														

MAIN TERMINAL BOX

REF. NO 7B1470LB Sheet No. of

DWG NO 227B1470LB Revision No. 0



REV	DATE	CONTENTS	REV'D BY	CHK'D BY	CHK'D BY	APP'D BY
1						
2						
3						
4						

