

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

GENERAL SPECIFICATION		PERFORMANCE DATA			
Frame Size	200LL	Rated Output	30 kW 40 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	52.3 A	60.5 A 104.5 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		50% Load 92.5 %			
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	75% Load 93.5 %			
Altitude	Less than 1000 meter	100% Load 93.0 %			
Relative Humidity	Less than 80 %	Power Factor(p.u)			
Ambient Temp.	40 deg. C (Max.)	50% Load 0.710			
Duty Type	Continuos (S1)	75% Load 0.785			
Service Factor	1.00	100% Load 0.810			
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5	Speed at Full Load	1175 r.p.m		
Bearing	Type	Anti-Friction			
	DE/N-DE	6313ZC3 / 6211ZC3			
	Lubricant	Grease(Gadus S2 V100 2)			
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 24.9 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	Hazardous	Load(Max.) 50.000 kg·m ²			
Type of Ex-Protection	Ex d IIB T4	Motor 0.380 kg·m ²			
Applicable Standard	KS,IEC	Sound Pressure Level (No-load & mean value at 1m from motor)			
		70 dB(A)			
		Vibration 2.2 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)		

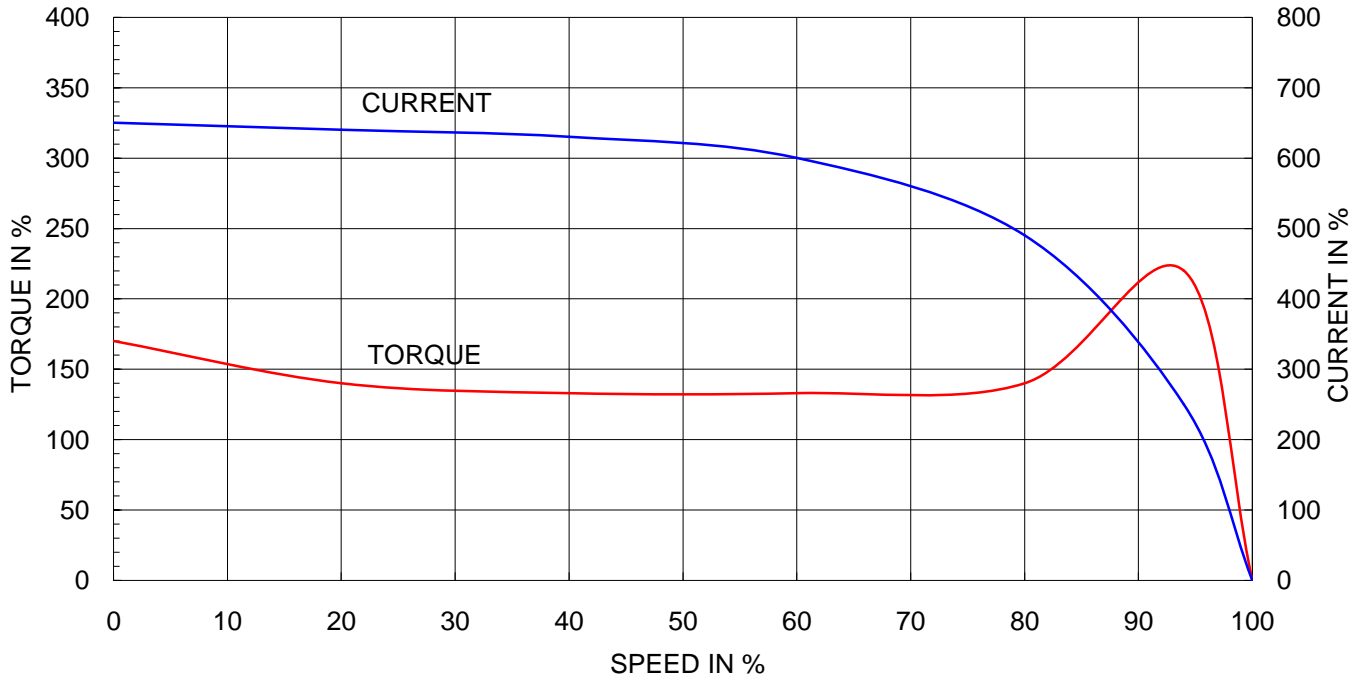
ACCESSORIES		SUBMITTAL DRAWING				
		Outline Dimension Drawing \ Motor Weight(Approx.)				
		B3	227B1600XI10	370	kg	
		B5			kg	
		V1			kg	
		B3/B5	0	0	kg	
		Main T-Box Ass'y 227B1470LA				
SPARE PARTS		REMARK High Efficiency				
		Date	DSND	CHKD	CHKD	APPD
		2011-04-14	W.H.BACK	S. J. RA	O. J. KIM	J. H. 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.

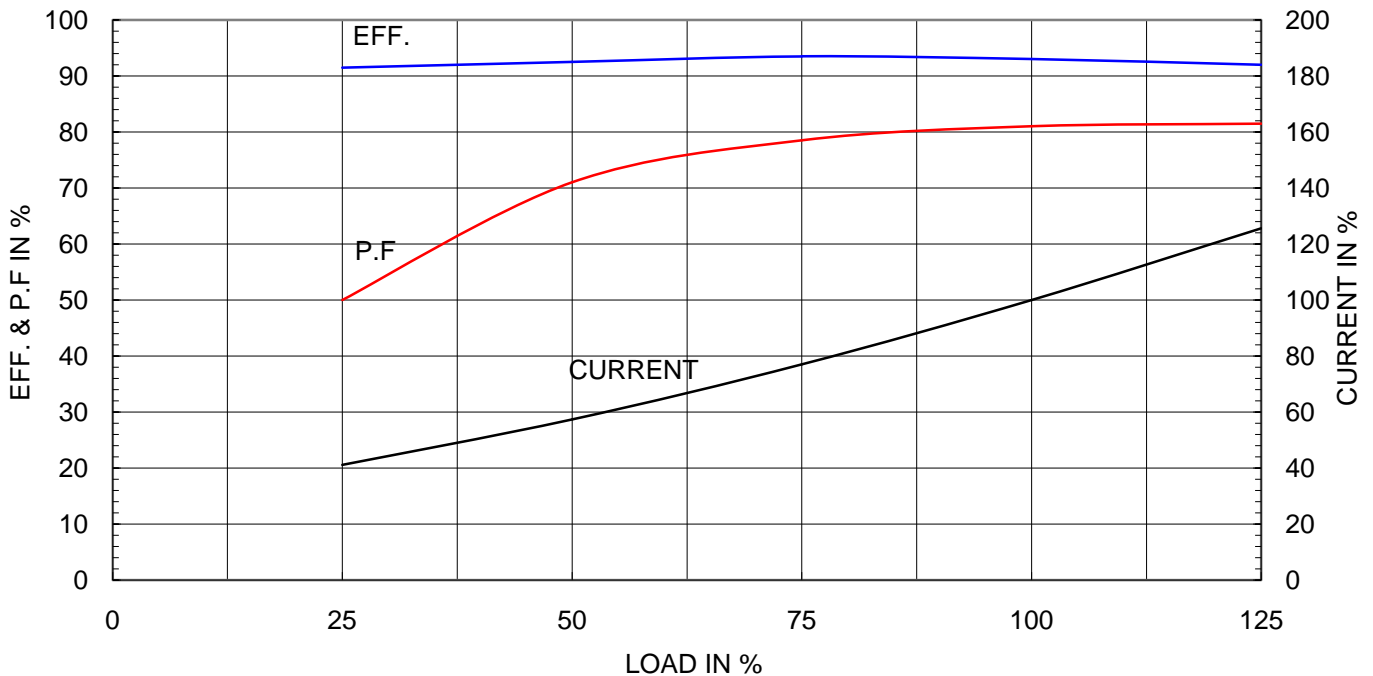
Type	:	HL-XP
Full Load Torque	:	24.9 Kg.m
Motor moment of Inertia (J)	:	0.380 Kg.m ²
Load moment of Inertia (J)	:	50.000 Kg.m ²

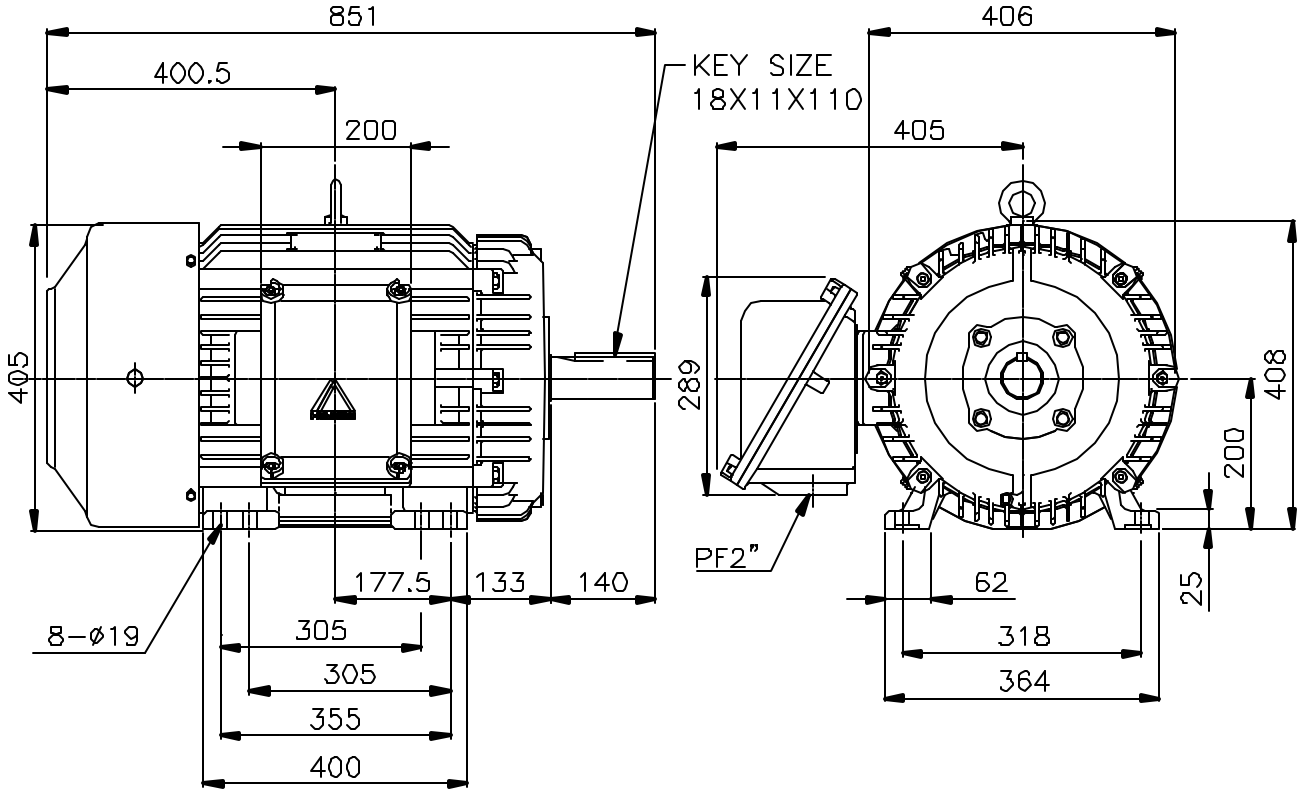
30 kW	6 P	60 Hz	
Speed at Full Load :		1175 RPM	
Rated Voltage	440V	380V	220V
Full Load Current	52.3A	60.5A	104.5A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

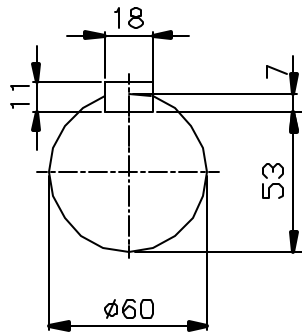




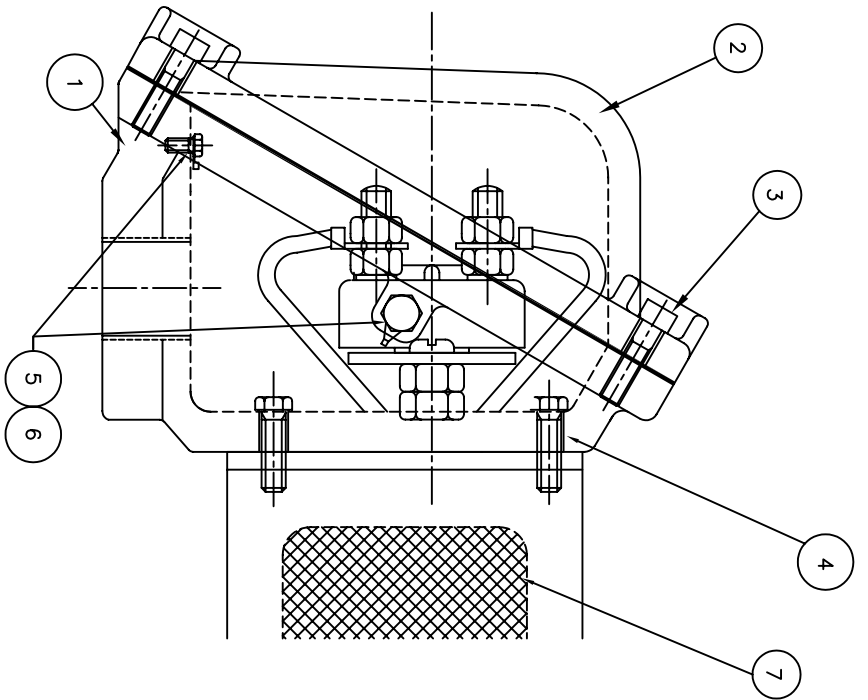
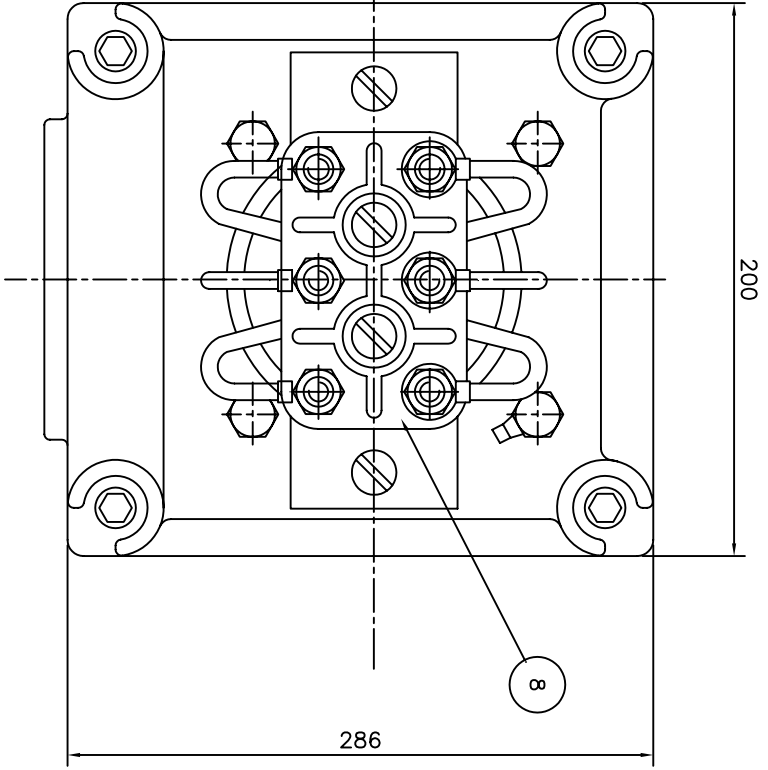
NOTE

1.TOLERANCE :

CENTER HEIGHT	200	+0	-0.5
BASE HOLES	φ19	+0.43	-0
SHAFT DIAMETER	φ60	+0.030	+0.011
KEYWAY WIDTH	18	+0	-0.043
KEYWAY DEPTH	7	+0	-0.2



APPD BY	J. H. KIM	UNIT	mm	SUBJECT	KS 200LL 4,6P d2G4	CAD PROJ \ FILE	
CHKD BY	Y. S. KIM	SCALE	1/10			XSDNKS\B2001AA10	
CHKD BY	S. H. KO	PROJEC'N	3rd Angle	TITLE OUTLINE			
DSND BY	I. K. KIM	DATE	2002.10.31				
				REF. NO	B1600X110	Sheet No.	of
				DWG NO	227B1600X110	Revision No.	0



QTY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
1	TERMINAL BLOCK	D4C29C					8
1	SEALING COMPOUND	CU					7
2	GRD TERMINAL LUG	S45C					6
2	GRD. BOLT	S45C					5
4	T/B + FRAME BOLT	S45C					4
4	T/B + COVER BOLT	S45C					3
1	TERMINAL BOX COVER	FC15					2
1	TERMINAL BOX ASSEMBLY	FC15					1

APPD BY	UNIT	MM	SUBJECT	IEC200FR 42G4	CAD PROJ \FILE
CHKD BY	SCALE	N/S	TITLE	MAIN TERMINAL BOX	XSMOUT\7B1468LB
CHKD BY	PROJEC'N	3*41(3rd Angle)	REF. NO	7B1470LA	Sheet No. of
DSND BY	DATE	99.2.2	DWG NO	227B1470LA	Revision No. 0
	DESIGNED BY	LEE E.J.			

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



MAIN TERMINAL BOX