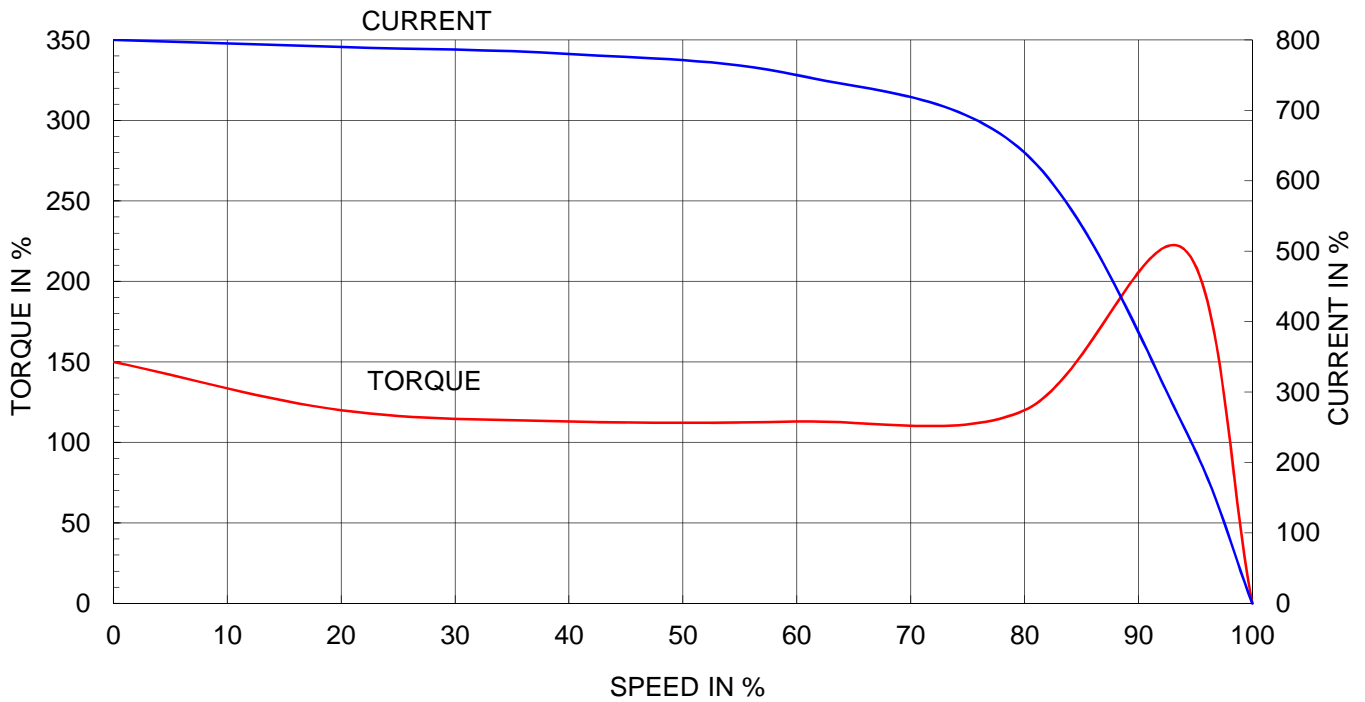


Model No.or RFQ No.		Item No.		Rev. No.	[ 0 ]
Project Name		Project No.		Quantity	sets
<b>GENERAL SPECIFICATION</b>			<b>PERFORMANCE DATA</b>		
Frame Size	200L	Rated Output	37 kW	50 HP	
Type	HLP-37/4	Number of Poles	4		
Enclosure(Protection)	Totally Enclosed ( IP55 )	Rotor Type	Squirrel Cage		
Method 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	62.7 A	72.5 A    125.3 A
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**	800 %	800 %
Temp. Rise at full load (by resistance method)		Efficiency			
at 1.0 S.F	80 deg. C	50% Load		93.3 %	
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	75% Load		94.5 %	
Altitude	Less than 1000 meter	100% Load		94.5 %	
Relative Humidity	Less than 80 %	Power Factor(p.u)			
Ambient Temp.	40 deg. C (Max.)	50% Load		0.740	
Duty Type	Continuous ( S1 )	75% Load		0.795	
Service Factor	1.15	100% Load		0.820	
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5	Speed at Full Load		1780 r.p.m	
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	Load(Max.)		20.200 kg·m <sup>2</sup>	
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron	Motor		0.350 kg·m <sup>2</sup>
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sound Pressure Level (No-load & mean value at 1m from motor)		
Location	Refer to Outline Drawing				
Application		Vibration			
Area classification	Non-Hazardous	Permissible number of consecutive starts		Cold	3 times
Type of Ex-Protection	Not applicable			Hot	2 times
Applicable Standard	KS,IEC, NEMA MG1 Part30(Vpeak)	Paint	Munsell No.	4.4PB5.5/5.6(VL-451)	
<b>ACCESSORIES</b>		<b>SUBMITTAL DRAWING</b>			
		Outline Dimension Drawing \ Motor Weight(Approx.)			
		B3	LM-T1205B3PL001	297	kg
		B5	LM-T1205B5PL001	327	kg
		V1	LM-T1205V1PL001	327	kg
		B3/B5	LM-T1205B4PL001	327	kg
		Main T-Box Ass'y	3M-145864		
<b>SPARE PARTS</b>		<b>REMARK</b>		<b>Premium Efficiency</b>	
		*. For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise			
		Date	DSND	CHKD	CHKD    APPD
		2015-09-05	R.G. KIM	-	O.J. KIM    S.H. GO
<p>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 &amp; frequency, and the data is expressed as a percentage of full-load value.</p>					

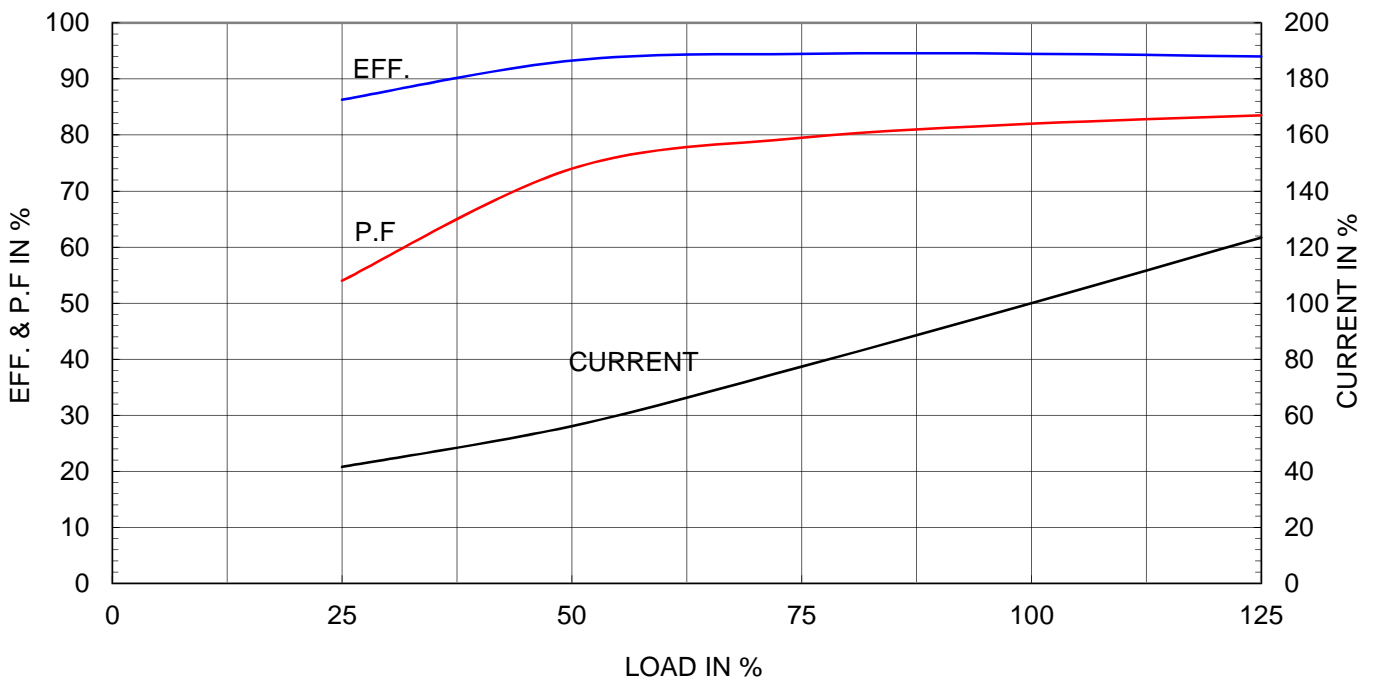
Type	:	HLP-37/4
Full Load Torque	:	20.2 Kg.m
Motor moment of Inertia (J)	:	0.350 Kg.m <sup>2</sup>
Load moment of Inertia (J)	:	20.200 Kg.m <sup>2</sup>

37 kW	4 P	60 Hz	
Speed at Full Load :		1780 RPM	
Rated Voltage	440V	380V	220V
Full Load Current	62.7A	72.5A	125.3A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE





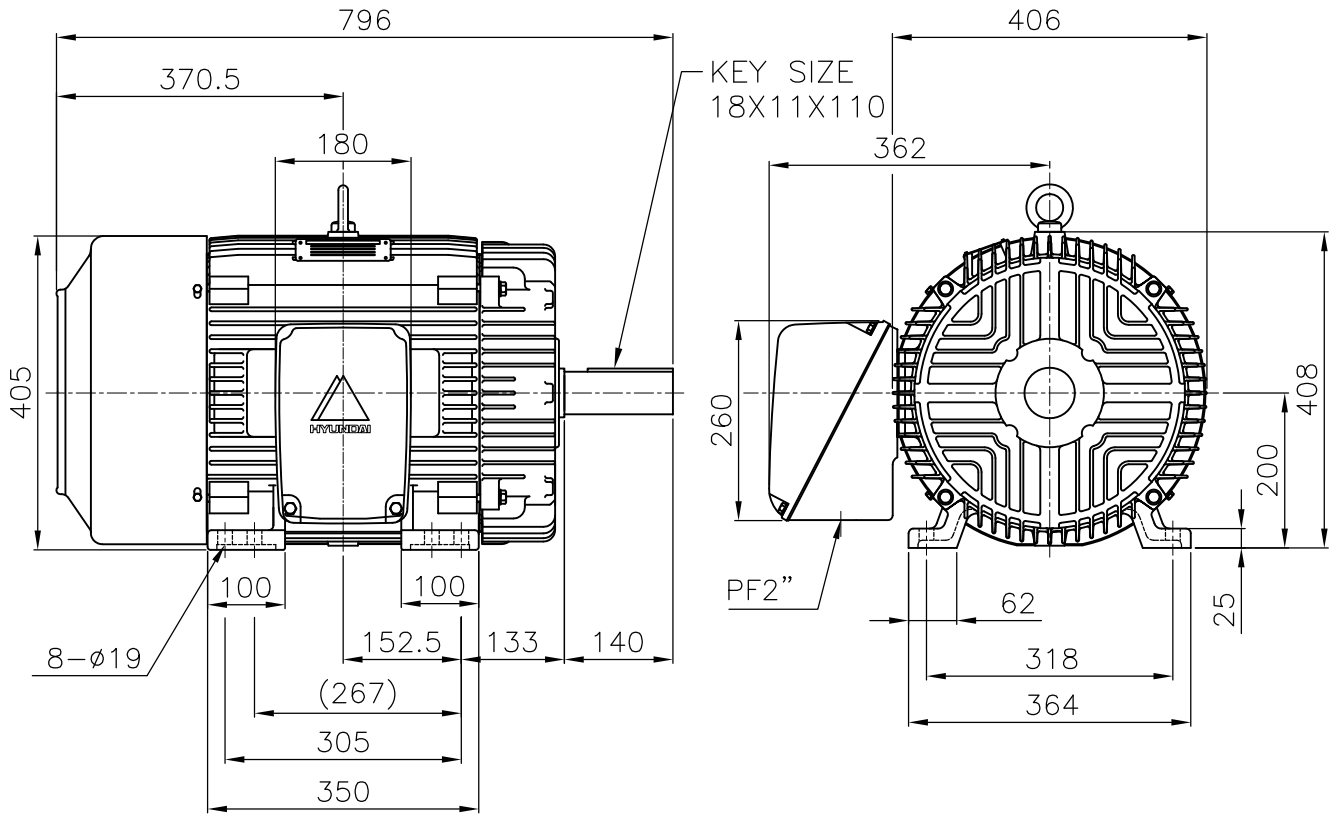
# TEFC

THREE PHASE INDUCTION MOTOR

TYPE

HL, HLS

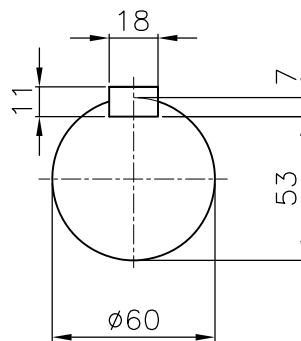
CAST IRON FRAME



NOTE

1.TOLERANCE :

CENTER HEIGHT	200	<sup>+0</sup> / <sub>-0.5</sub>
BASE HOLES	ø19	<sup>+0.43</sup> / <sub>-0</sub>
SHAFT DIAMETER	ø60	<sup>+0.030</sup> / <sub>+0.011</sub>
KEYWAY WIDTH	18	<sup>+0</sup> / <sub>-0.043</sub>
KEYWAY DEPTH	7	<sup>+0.2</sup> / <sub>-0</sub>

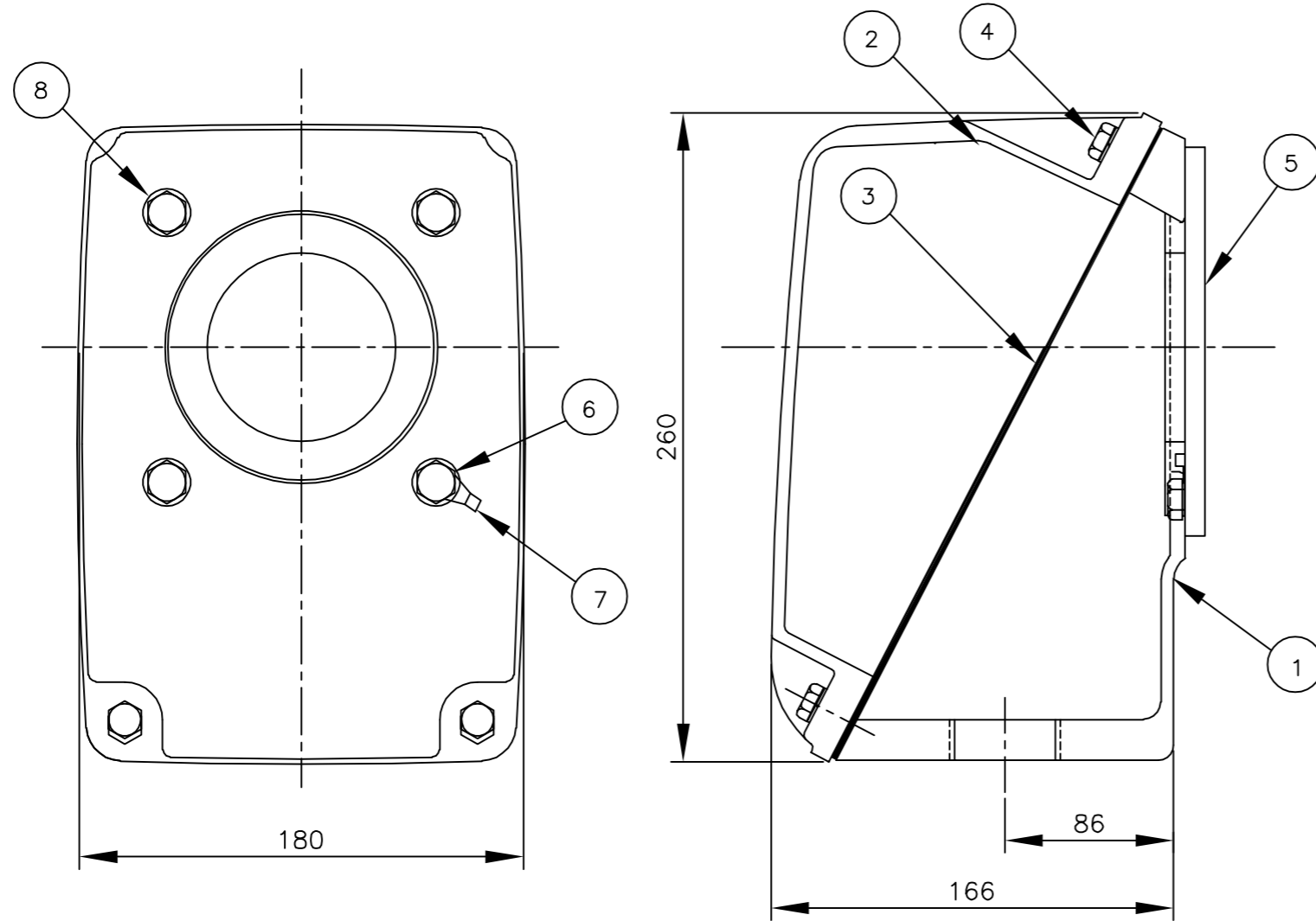


CAST IRON CONDUIT BOX

APPD BY	J. H. KIM	UNIT	mm	SUBJECT	KS 200L 4,6P	CAD PROJ \ FILE
CHKD BY	Y. S. KIM	SCALE	1/10			XSDNKS\B2000AB10
CHKD BY	S. H. KO	PROJEC'N	3rd Angle	TITLE <b>OUTLINE</b>		
DSND BY	I. K. KIM	DATE	2002.10.31			
				REF. NO	B2000AB10	Sheet No. of
				DWG NO	LM-T1205B3PL001	Revision No. 0

본 도면은 현대중공업(주) 재산이므로  
허가없이 복사할 수 없음 (취급유의)

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PT	DESCRIPTION	MATERIAL	DIMENSION	Q,TY
1	CONDUIT BOX	FC20		1
2	C/B COVER	FC20		1
3	GASKET(COVER)	N.B.R	T2X170X210	1
4	SCREW(COVER)	S45C	M8XL20	4
5	GASKET(C/B)	N.B.R		1
6	SCREW(C/B)	S45C	M8XL20	4
7	TERMINAL GROUND	CU	T1.6	1
8	WASHER	S45C	M8 X L10	4

▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY
1	12.01.27	CABLE 및 TAP 표시 삭제.	김양규	김옥진	김진홍	강경중

일반가공公差		일반제관公差	
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	강경중	UNIT	mm	SUBJECT	IEC-Fr.200		DWG SIZE
CHKD BY	이노덕	SCALE	1/2	TITLE	Main Terminal Box Assembly		A3 (1:2)
CHKD BY	김인규	PROJEC'N	3각법(3rd Angle)	REF. NO	227B8003CB5	Sheet No.	of
DSND BY	김은성	DATE	2011-08-30	DWG NO	3M-145864	Revision No.	1