

Model No.or RFQ No.		Item No.	Rev. No.	[0]
Project Name		Project No.	Quantity	set
GENERAL SPECIFICATION		PERFORMANCE DATA		
Frame Size	200LL	Rated Output	45 kW	60 HP
Type	HLP-45/4	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	75.8 A 87.8 A 151.6 A
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H	Locked-rotor**	745 %	745 % 745 %
Temp. Rise at full load (by resistance method)		Efficiency		
at 1.0 S.F	80 °C	50% Load	93.2 %	
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	75% Load	95.1 %	
Altitude	Less than 1000m	100% Load	95.0 %	
Relative Humidity	Less than 80 %	Power Factor(p.u)		
Ambient Temp.	40 °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	1775 r.p.m	
Bearing	Type	Anti-Friction	Torque	
	DE/N-DE	6313ZC3 / 6212ZC3	Full Load	24.7 kg.m
	Lubricant	Grease(Polyrex-EM)	Locked-rotor**	150 %
External Thrust	Not applicable		Breakdown**	210 %
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.)	37.03943662 kg·m ²	
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron	Motor	0.546 kg·m ²
	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		72 dB(A)
Application		Vibration	2.2 mm/sec(r.m.s)	
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.	Panton279C
ACCESSORIES		SUBMITTAL DRAWING		
		Outline Dimension Drawing	Motor Weight(Approx.)	
		B3	LM-T1207B3PLV01	320 kg
		B5		kg
		V1		kg
		B3/B5		kg
		Main T-Box Ass'y	3M-145864	
		REMARK		
		*.Premium Efficiency(IE3)		
		*.For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise		
SPARE PARTS		Date	DSND	CHKD
		2018-11-23	R.G. KIM	---
			CHKD	APPD
			O.J. KIM	S.K.HAN

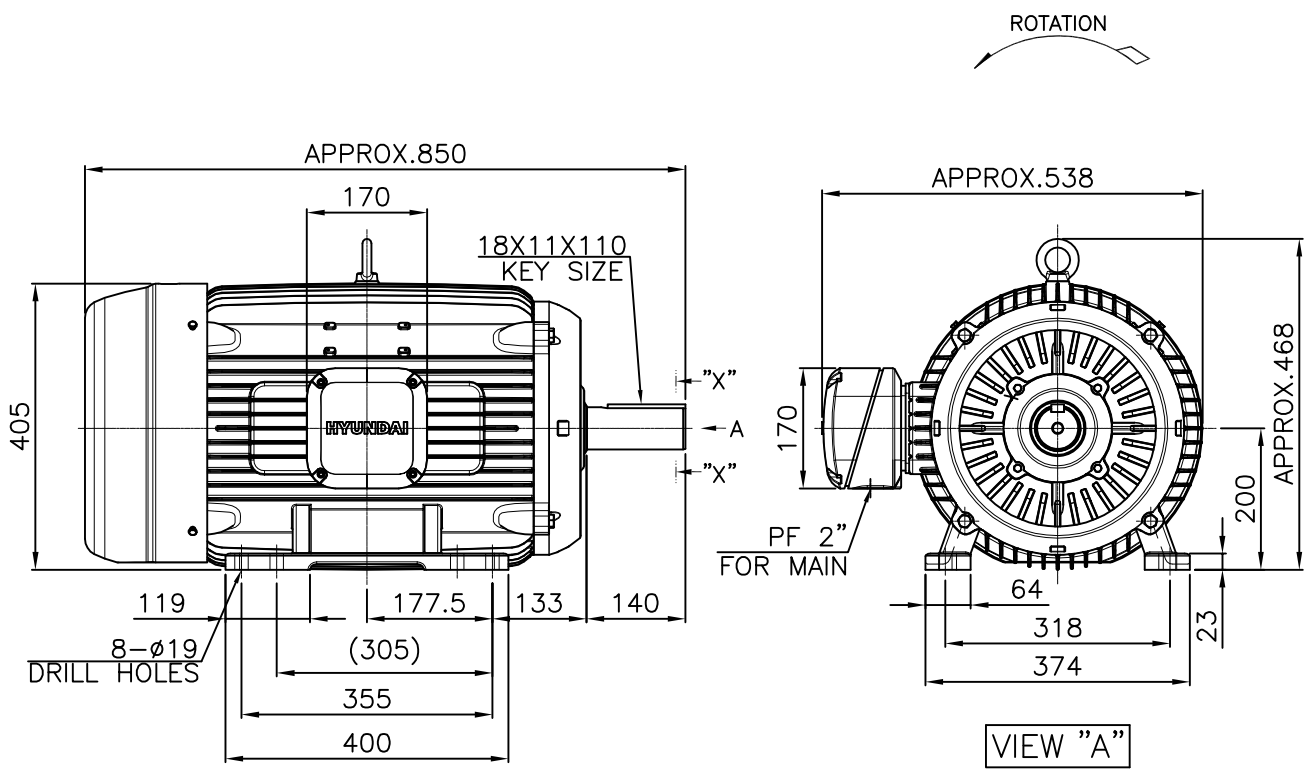
Note: Others not mentioned in this data sheet shall be in accordance with maker standard. Made in Vietnam

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.
 ** The data are based on rated voltage & frequency, and data are expressed as a percentage of full load value.
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본 도면은 현대일렉트릭(주) 재산이므로
허가없이 복사할 수 없음 (취급유의)

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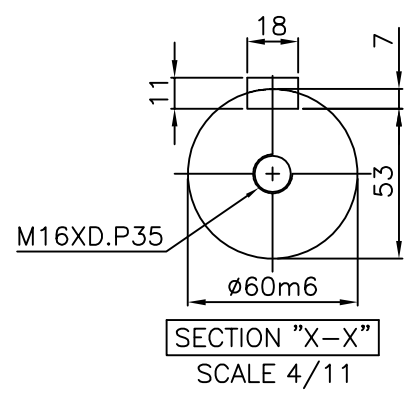
1	2	3	4
▽	50S	REV	DATE
▽▽	12.5S		
▽▽▽	3.2S		
▽▽▽▽	0.4S		



NOTE

1. TOLERANCE :

CENTER HEIGHT	200	$\begin{matrix} 0 \\ -0.5 \end{matrix}$
BASE HOLES	$\phi 19$	$\begin{matrix} +0.52 \\ 0 \end{matrix}$
SHAFT DIAMETER	$\phi 60$	$\begin{matrix} +0.030 \\ +0.011 \end{matrix}$
KEYWAY WIDTH	18	$\begin{matrix} 0 \\ -0.043 \end{matrix}$
KEYWAY DEPTH	7	$\begin{matrix} +0.2 \\ 0 \end{matrix}$
KEY WIDTH	18	$\begin{matrix} 0 \\ -0.043 \end{matrix}$
KEY HEIGHT	11	$\begin{matrix} 0 \\ -0.110 \end{matrix}$



APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS, IEC Fr.200LL-4~20P	DWG SIZE
CHKD BY	S.Y.KIM	SCALE	1/11			A4 (1:11)
CHKD BY	I.K.KIM	PROJEC'N	3각법(3rd Angle)	TITLE OUTLINE		
DSND BY	S.H.LEE	DATE	2019.06.17			
				REF. NO		Sheet No. of
				DWG NO	LM-T1207B3PLV01	Revision No. 0