



AC INDUCTION MOTOR DATA SHEET

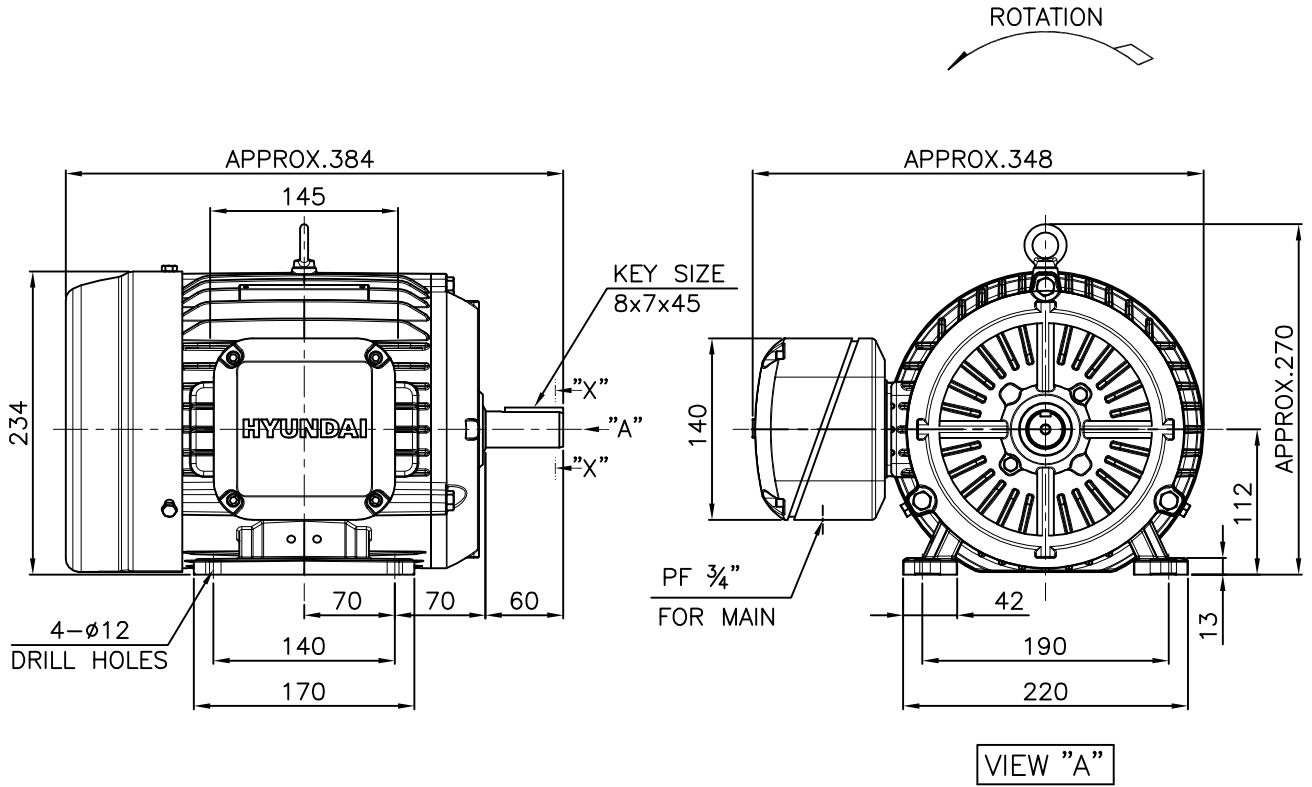
Model No.or RFQ No.		Item No.		Rev. No.		[0]							
Project Name		Project No.		Quantity		set							
GENERAL SPECIFICATION				PERFORMANCE DATA									
Frame Size		112M		Rated Output		2.2 kW 3 HP							
Type		HKP-2.2/6		Number of Poles		6							
Enclosure(Protection)		Totally Enclosed (IP55)		Rotor Type		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 4.7 A 5.5 A 9.5 A							
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**		730 % 730 % 730 %							
Temp. Rise at full load (by resistance method)		at 1.0 S.F 80 °C		Efficiency		50% Load 85.7 %							
Motor Location		<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor				75% Load 88.5 %							
Altitude		Less than 1000m				100% Load 89.5 %							
Relative Humidity		Less than 80 %		Power Factor(p.u)		50% Load 0.490							
Ambient Temp.		40 °C MAX.				75% Load 0.610							
Duty Type		Continuous(S1)				100% Load 0.680							
Service Factor		1.15		Speed at Full Load		1175 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 1.8 kg.m							
Bearing		Type Anti-Friction				Locked-rotor** 180 %							
		DE/N-DE 6206ZZC3 / 6206ZZC3				Breakdown** 250 %							
		Lubricant Grease(Polyrex-EM)		Moment of Inertia (J)		Load(Max.) 4.559148936 kg·m ²							
External Thrust		Not applicable				Motor 0.03 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)		59 dB(A)							
Shaft Extension		<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		Vibration		1.6 mm/sec(r.m.s)							
Terminal Box		Main <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Permissible number of consecutive starts		Cold 3 times							
		Aux. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hot 2 times							
Location		Refer to Outline Drawing		Paint		Munsell No. Panton279C							
Application				SUBMITTAL DRAWING									
Area classification		Non-Hazardous		Outline Dimension Drawing		Motor Weight(Approx.)							
Type of Ex-Protection		Not applicable				B3 LM-T0113B3PLV01 48 kg							
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)				B5 kg							
ACCESSORIES						V1 kg							
						B3/B5 kg							
				Main T-Box Ass'y		3M-148549							
				REMARK									
				* .Premium Efficiency(IE3)									
				* .For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise									
SPARE PARTS				Date		DSND		CHKD		CHKD		APPD	
				2018-11-23		R.G. KIM		---		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.

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

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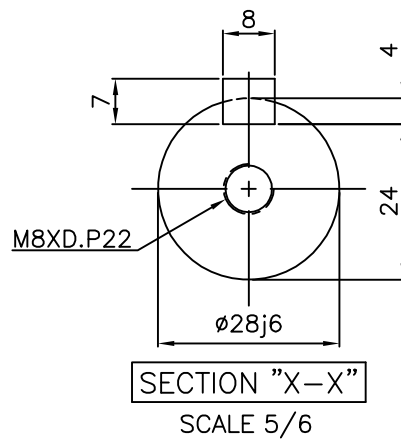
▽	50S	REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY
▽▽	12.5S							
▽▽▽	3.2S							
▽▽▽▽	0.4S							



NOTE

1.TOLERANCE :

CENTER HEIGHT	112	$\begin{matrix} 0 \\ -0.5 \end{matrix}$
BASE HOLES	ø12	$\begin{matrix} +0.43 \\ 0 \end{matrix}$
SHAFT DIAMETER	ø28	$\begin{matrix} +0.009 \\ -0.004 \end{matrix}$
KEYWAY WIDTH	8	$\begin{matrix} 0 \\ -0.036 \end{matrix}$
KEYWAY DEPTH	4	$\begin{matrix} +0.2 \\ 0 \end{matrix}$
KEY WIDTH	8	$\begin{matrix} 0 \\ -0.036 \end{matrix}$
KEY HEIGHT	7	$\begin{matrix} 0 \\ -0.090 \end{matrix}$



APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS, IEC Fr.112M	DWG SIZE
CHKD BY	S.Y.KIM	SCALE	1/6			A4 (1/6)
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-11113B3PLV01	Revision No. 0