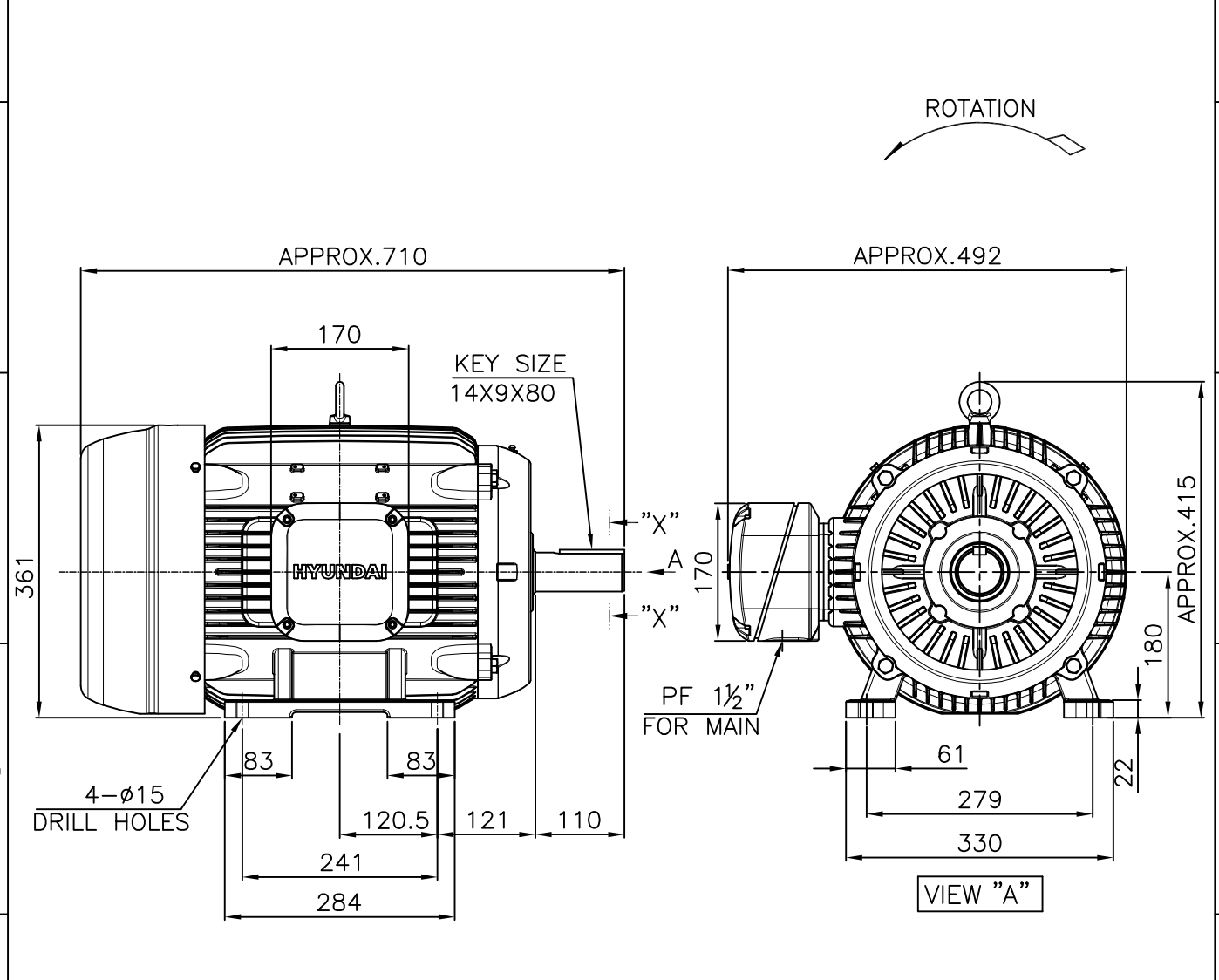


		AC INDUCTION MOTOR DATA SHEET							
Model No.or RFQ No.		Item No.		Rev. No.		[0]			
Project Name		Project No.		Quantity		set			
GENERAL SPECIFICATION				PERFORMANCE DATA					
Frame Size		180M		Rated Output		22 kW 30 HP			
Type		HLP-22/2		Number of Poles		2			
Enclosure(Protection)		Totally Enclosed (IP55)		Rotor Type		Squirrel Cage			
Method of Cooling		IC411(FC)		Starting Method*		☒ D.O.L ☐ Y-Δ			
Rated Frequency		60 Hz		Rated Voltage		440 V 380 V 220 V			
Number of Phases		3		Current		Full Load 35.4 A 41.0 A 70.7 A			
Insulation Class		☒ F ☐ B ☐ H		Locked-rotor**		950 % 950 % 950 %			
Temp. Rise at full load (by resistance method)				Efficiency					
at 1.0 S.F		80 °C		50% Load		90.6 %			
Motor Location		☒ Indoor ☐ Outdoor		75% Load		91.9 %			
Altitude		Less than 1000m		100% Load		91.7 %			
Relative Humidity		Less than 80 %		Power Factor(p.u)					
Ambient Temp.		40 °C MAX.		50% Load		0.845			
Duty Type		Continuous(S1)		75% Load		0.878			
Service Factor		1.15		100% Load		0.890			
Mounting		☒ B3 ☐ B5 ☐ V1 ☐ B3/B5		Speed at Full Load		3560 r.p.m			
Bearing	Type	Anti-Friction		Torque					
	DE/N-DE	6312ZZC3 / 6310ZZC3		Full Load		6.0 kg.m			
	Lubricant	Grease(Polyrex-EM)		Locked-rotor**		160 %			
External Thrust		Not applicable		Breakdown**		230 %			
Coupling Method		☒ Direct ☐ V-Belt		Moment of Inertia (J)					
Shaft Extension		☒ Single ☐ Double		Load(Max.)		7.222921348 kg·m²			
Terminal Box	Main	☐ Steel ☒ Cast Iron		Motor		0.088 kg·m²			
	Aux.	☐ Yes ☒ No		Sound Pressure Level (No-load & mean value at 1m from motor)					
	Location	Refer to Outline Drawing				79 dB(A)			
Application				Vibration		2.2 mm/sec(r.m.s)			
Area classification		Non-Hazardous		Permissible number of consecutive starts		Cold 3 times Hot 2 times			
Type of Ex-Protection		Not applicable		Paint		Munsell No. Panton279C			
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)							
ACCESSORIES				SUBMITTAL DRAWING					
				Outline Dimension Drawing \ Motor Weight(Approx.)					
				B3		LM-T1183B3PLV01		177 kg	
				B5				kg	
				V1				kg	
				B3/B5				kg	
				Main T-Box Ass'y		3M-145860			
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. 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.				Made in Vietnam					
HEES W230-131-1 * In case of Inverter or V.V.V.F Motor:Performance data is based on sine wave tests.				A4(210mm X 297mm)					

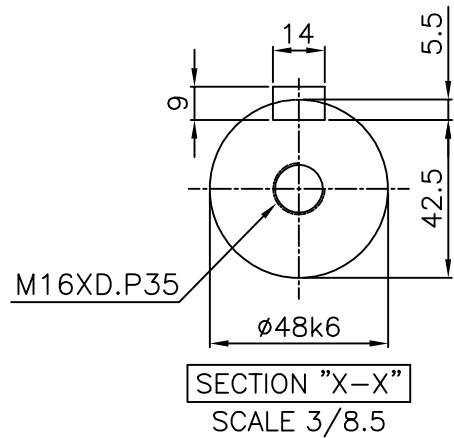
1			2		3		4		
▽	50S	REV	DATE	CONTENTS		REVD BY	CHKD BY	CHKD BY	APPD BY
▽▽	12.5S								
▽▽▽	3.2S								
▽▽▽▽	0.4S								



NOTE

1.TOLERANCE :

CENTER HEIGHT	180	$\begin{smallmatrix} 0 \\ -0.5 \end{smallmatrix}$
BASE HOLES	Ø15	$\begin{smallmatrix} +0.43 \\ 0 \end{smallmatrix}$
SHAFT DIAMETER	Ø48	$\begin{smallmatrix} +0.018 \\ +0.002 \end{smallmatrix}$
KEYWAY WIDTH	14	$\begin{smallmatrix} 0 \\ -0.043 \end{smallmatrix}$
KEYWAY DEPTH	5.5	$\begin{smallmatrix} +0.2 \\ 0 \end{smallmatrix}$
KEY WIDTH	14	$\begin{smallmatrix} 0 \\ -0.043 \end{smallmatrix}$
KEY HEIGHT	9	$\begin{smallmatrix} 0 \\ -0.090 \end{smallmatrix}$



APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS, IEC Fr.180M	DWG SIZE	A4 (6.5)
CHKD BY	S.Y.KIM	SCALE	1/8.5	TITLE Outline			
CHKD BY	I.K.KIM	PROJEC'N	(3rd Angle)				
DSND BY	S.H.LEE	DATE	2019.06.17	REF. NO		Sheet No.	of
				DWG NO	LM-T1183B3PLV01	Revision No.	0