

		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-22/4		Number of Poles		4		
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 37.7 A 43.7 A 75.4 A		
Insulation Class		☒ F ☐ B ☐ H		Locked-rotor**		865 % 865 % 865 %		
Temp. Rise at full load (by resistance method)				Efficiency				
at 1.0 S.F		80 °C		50% Load		92.4 %		
Motor Location		☒ Indoor ☐ Outdoor		75% Load		93.4 %		
Altitude		Less than 1000m		100% Load		93.6 %		
Relative Humidity		Less than 80 %		Power Factor(p.u)				
Ambient Temp.		40 °C MAX.		50% Load		0.641		
Duty Type		Continuous(S1)		75% Load		0.759		
Service Factor		1.15		100% Load		0.818		
Mounting		☒ B3 ☐ B5 ☐ V1 ☐ B3/B5		Speed at Full Load		1775 r.p.m		
Bearing	Type	Anti-Friction		Torque				
	DE/N-DE	6312ZZC3 / 6310ZZC3		Full Load		12.1 kg.m		
	Lubricant	Grease(Polyrex-EM)		Locked-rotor**		170 %		
External Thrust		Not applicable		Breakdown**		220 %		
Coupling Method		☒ Direct ☐ V-Belt		Moment of Inertia (J)				
Shaft Extension		☒ Single ☐ Double		Load(Max.)		18.10816901 kg·m²		
Terminal Box	Main	☐ Steel ☒ Cast Iron		Motor		0.235 kg·m²		
	Aux.	☐ Yes ☒ No		Sound Pressure Level (No-load & mean value at 1m from motor)				
	Location	Refer to Outline Drawing				66 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.								
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)								

