

		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		200LL		Rated Output		45 kW 60 HP			
Type		HLP-45/2		Number of Poles		2			
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 70.1 A 81.2 A 140.2 A			
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**		800 % 800 % 800 %			
Temp. Rise at full load (by resistance method)				Efficiency					
at 1.0 S.F		80 °C		50% Load		92.1 %			
Motor Location		<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		75% Load		93.6 %			
Altitude		Less than 1000m		100% Load		93.6 %			
Relative Humidity		Less than 80 %		Power Factor(p.u)					
Ambient Temp.		40 °C MAX.		50% Load		0.865			
Duty Type		Continuous(S1)		75% Load		0.890			
Service Factor		1.15		100% Load		0.900			
Mounting		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5		Speed at Full Load		3560 r.p.m			
Bearing	Type	Anti-Friction		Torque					
	DE/N-DE	6212ZC3 / 6212ZC3		Full Load		12.3 kg.m			
	Lubricant	Grease(Polyrex-EM)		Locked-rotor**		150 %			
External Thrust		Not applicable		Breakdown**		200 %			
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.)		14.7741573 kg·m²			
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Motor		0.208 kg·m²			
	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				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-T1207B3CLV01	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	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)									

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

ROTATION

APPROX.820

170

16X10X80  
KEY SIZE

405

HYUNDAI

119

8-ø19  
DRILL HOLES

177.5

(305)

133

110

355

400

"X"

A

"X"

APPROX.538

170

PF 2"  
FOR MAIN

APPROX.468

200

64

318

374

23

VIEW "A"

16

6

10

49

M16XD.P35

ø55m6

SECTION "X-X"

SCALE 4/11

APPD BY	S.K.HAN	UNIT	mm	SUBJECT	KS, IEC Fr.200LL-2P	DWG SIZE
CHKD BY	S.Y.KIM	SCALE	1/11	TITLE		A4 ( 1:11 )
CHKD BY	I.K.KIM	PROJEC'N	3각법(3rd Angle)			
DSND BY	S.H.LEE	DATE	2019.06.17			
<div><div></div><div>HYUNDAI</div><div>ELECTRIC</div></div>				REF. NO		Sheet No. of
				DWG NO	LM-T1207B3CLV01	Revision No. 0