

AC INDUCTION MOTOR DATA SHEET

Model No.of RFQ No.			Item No.			ev. No.	[0]	
Project Name			Project No.				set	
GENERAL SPECIFICATION			PERFORMANCE DATA					
Frame Size		180L	Rated Output		30 kW 40 HP		40 HP	
Type		HLP-30/4	Number of F	Number of Poles				
Enclosure(Protection)		Totally Enclosed (IP55)	Rotor Type		Squirrel Cage			
Method of Cooling		IC411(FC)	Starting Method*		■ D.O.L	□ Y-	· <u>\</u>	
Rated Frequency		60 Hz	Rated Voltage		440 V	380 V	220 V	
Number of Phases		3		Full Load	51.0 A	59.1 A	102.0 A	
Insulation Class		■ F □ B □ H		Locked-rotor**	725 %	725 %		
Temp. Rise at full load (by resistance in			Efficiency	Locked Totol	123 /0	725 70	123 /0	
at 1.0 S.F		80 °C		50% Load		0/		
			75% Load		93.8 %			
Motor Location		Indoor Outdoor			94.3 %			
Altitude		Less than 1000m	100% Load		94.1 %			
Relative Humidity		Less than 80 %	Power Factor(p.u)					
Ambient Temp.		40 °C MAX.	4	50% Load 0.7				
Duty Type		Continuous(S1)	1	75% Load	0.790			
Service Factor		1.15	100% Load		0.820			
Mounting		■ B3 □ B5 □ V1 □ B3/B5	Speed at Ful	Speed at Full Load 1780 r.p.m				
	Type	Anti-Friction	Torque					
Bearing	DE/N-DE	6312ZZC3 / 6310ZZC3		Full Load	16.4	kg.m		
	Lubricant	Grease(Polyrex-EM)	1	Locked-rotor**	160	%		
External Th	rust	Not applicable	Ī	Breakdown**	220	%		
Coupling Method		■ Direct □ V-Belt	Moment of I	Moment of Inertia (J)				
Shaft Extension		■ Single □ Double		Load(Max.)	24.62359551	kg·m²		
	Main	☐ Steel	_	Motor		kg·m²		
Terminal	Aux.	☐ Yes ■ No	Sound Pressure Level (No-load & mean value at 1m from motor)					
I Boy — ————		Refer to Outline Drawing			66 dB(A)			
Application			Vibration		2.2 mm/sec(r.m.s)			
Area classification		Non-Hazardous		Permissible number of		times		
Type of Ex-Protection		Not applicable		consecutive starts		times		
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)	Paint	Munsell No.	Hot 2 times Panton279C			
ACCESSORIES		INS, IDE, INDIVITATION TURES (V peak)	SUBMITTAL DRAWING					
HCCL	BBORIES	J	Outline Dimension Drawing \ Motor Weight(Approx.)				ght(Approx)	
			B3		LM-T1185B3PLV01 186			
			1	B5	LNI-11103D31	LVOI		
			1	V1			kg	
							kg	
			B3/B5		201 145060		kg	
			Main T-Box Ass'y		3M-145860			
		-						
				EMARK]			
			*.Premium Efficiency(IE3) *.For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise					
SPAR	E PARTS		7					
		-						
			Date	DSND	CHKD	CHKD	APPD	
			2018-11-23	R.G. KIM		O.J. KIM	S.K.HAN	
			1					
Note: Others not	mentioned in this data	a sheet shall be in accordance with maker standard.	•		Mac	de in Vietnam		

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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.

 $[\]ensuremath{^{*}}$ 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.

