

AC INDUCTION MOTOR DATA SHEET

Model No. of RFQ No.			item No.			ev. No.	[U]
Project Name			Project No.				set
GENERAL SPECIFICATION			PERFORMANCE DATA				
Frame Size		180L	Rated Output		22 kW 30 HP		30 HP
Type		HLP-22/6	Number of Poles		6		
Enclosure(Protection)		Totally Enclosed (IP55)	Rotor Type		Squirrel Cage		
Method of Cooling		IC411(FC)	Starting Method*		■ D.O.L □ Y-△		
Rated Frequency		60 Hz	Rated Voltage		440 V	380 V	220 V
Number of Phases		3		Full Load	39.4 A	45.7 A	
Insulation Class		■ F □ B □ H		Locked-rotor**	770 %	770 %	770 %
Temp. Rise at full load (by resistance method)			Efficiency				
at 1.0 S.F		80 °C		50% Load	90.0 %		
Motor Location		■ Indoor □ Outdoor	75% Load		92.1 %		
			100% Load				
Altitude Relative Hymidity			Power Factor(p.u) 93.0 %				
Relative Humidity		Less than 80 %	Power Factor				
Ambient Temp.		40 °C MAX.	-	50% Load 0.613			
Duty Type		Continuous(S1)	75% Load		0.728		
Service Factor		1.15		100% Load 0.787			
Mounting		■ B3 □ B5 □ V1 □ B3/B5	Speed at Full	l Load	1175 r.p.m		
	Type	Anti-Friction	Torque				
Bearing	DE/N-DE	6312ZZC3 / 6310ZZC3		Full Load	18.2	kg.m	
	Lubricant	Grease(Polyrex-EM)	I	Locked-rotor**	160	%	
External Th	rust	Not applicable		Breakdown**	220	%	
Coupling Method		■ Direct □ V-Belt	Moment of I	ent of Inertia (J)			
Shaft Extension		■ Single □ Double	Ī	Load(Max.) 40.12051064 kg·m ²			
7D : 1	Main	☐ Steel		Motor	0.27	kg·m²	
Terminal	Aux.	☐ Yes ■ No	Sound Pressi	ure Level (No-load	& mean value	at 1m from mot	or)
Box Location Refer to Outline Drawing		68 dB(A)					
Application		8	Vibration		2.2 mm/sec(r.m.s)		
Area classification		Non-Hazardous		Permissible number of Co		times	
Type of Ex-Protection		Not applicable	consecutive		Hot 2 times		
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)	Paint	Munsell No.	Panton279C		
ACCESSORIES		ris, rec, reministration and of peak	SUBMITTAL DRAWING				
Necessories		Outline Dimension Drawing \ Motor Weight(Approx.)					
				B3	LM-T1185B3F		186 kg
			-	B5	LIVI-11103D31	LVOI	kg
				V1			
			-	B3/B5			kg
			Main T-Box Ass'y		2M 145960		kg
					3M-145860		
		77					
		REMARK					
			*.Premium Efficiency(IE3)				
		*.For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise					
SPAR	E 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			

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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.

