

AC INDUCTION MOTOR DATA SHEET

Model No.of RFQ No.			item No.			ev. No.	լ Մ յ
Project Name			Project No.		,	antity	set
GENERAL SPECIFICATION			PERFORMANCE DATA				
Frame Size		90L	Rated Output		2.2 kW 3 HP		3 HP
Type		HLP-2.2/2	Number of Poles		2		
Enclosure(Protection)		Totally Enclosed (IP55)	Rotor Type		Squirrel Cage		
Method of Cooling		IC411(FC)	Starting Method*		■ D.O.L □ Y-△		
Rated Frequency		60 Hz	Rated Voltage		440 V	380 V	220 V
Number of Phases		3		Full Load	3.9 A	4.5 A	
Insulation Class		■ F □ B □ H		Locked-rotor**	890 %	890 %	
Temp. Rise at full load (by resistance method)			Efficiency		0,70 70	070 70	070 70
at 1.0 S.F		80 °C		50% Load		0/	
			75% Load		83.6 %		
Motor Location		Indoor Outdoor	75% Load 100% Load		86.1 %		
Altitude		Less than 1000m			86.5 %		
Relative Humidity		Less than 80 %	Power Factor(p.u)				
Ambient Temp.		40 °C MAX.	50% Load		0.735		
Duty Type		Continuous(S1)	-	75% Load	0.815		
Service Factor		1.15		100% Load	0.860		
Mounting		■ B3 □ B5 □ V1 □ B3/B5	Speed at Full Load 3485 r.p.m				
	Type	Anti-Friction	Torque				
Bearing	DE/N-DE	6205ZZ / 6204ZZ		Full Load	0.6	kg.m	
	Lubricant	Grease(HIFLEX L-3)		Locked-rotor**	340	%	
External Thrust		Not applicable		Breakdown**	260	%	
Coupling Method		■ Direct □ V-Belt	Moment of I	Moment of Inertia (J)			
Shaft Exten	sion	■ Single □ Double		Load(Max.)	0.737836442		
Terminal	Main	☐ Steel ☐ Cast Iron		Motor		kg·m²	
Box	Aux.	☐ Yes ■ No	Sound Pressure Level (No-load & mean value at 1m from motor)				
Location Refer to Outline Drawing		Refer to Outline Drawing	58 dB(A)				
Application			Vibration		1.6 mm/sec(r.m.s)		
Area classification		Non-Hazardous	Permissible number of		Cold 3	times	
Type of Ex-Protection		Not applicable	consecutive starts Hot 2 times		times		
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)	Paint	Munsell No.	Panton279C		
ACCESSORIES			SUBMITTAL DRAWING				
		-	Outline Dimension Drawing \ Motor Weight(Approx			ght(Approx.)	
				В3	LM-T1095B3P	LV01	30 kg
				B5			kg
				V1			kg
			1	B3/B5			kg
			Main T-Box Ass'y		3M-148548		
			Train 1 Bon 1155 y		311-1-03-0		
		RI	EMARK				
				*.Premium Efficiency(IE3)			
			*.For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise				
			1				
CDAD	SPARE PARTS						
SPAR	L PAKIS	J					
			Date	DSND	CHKD	CHKD	APPD
			Date	חאפת	CHKD	CHKD	AFFD
			2018-11-23	R.G. KIM		O.J. KIM	S.K.HAN
			2010-11-23	N.O. KIIVI		O.J. KIIVI	D.M.HAIN
Note: Others not	mentioned in this data	a sheet shall be in accordance with maker standard.	1		Mad	le 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.

