

## AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.			Item No.			ev. No.	$\begin{bmatrix} 0 \end{bmatrix}$	
Project Name		Project No.			ıantity	set		
GENERAL SPECIFICATION				PERFORMANCE DATA				
Frame Size		200L	Rated Output		37 kW 50 HP		50 HP	
Туре		HLP-37/2	Number of Poles		2			
Enclosure(Protection)		Totally Enclosed (IP55)	Rotor Type	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	58.0 A	67.2 A		
				Locked-rotor**	800 %	800 %	800 %	
Insulation Class								
		·	Efficiency	50% Load 92.0 %				
at 1.0 S.F		-	75% Load					
Motor Location		Indoor Outdoor			93.2 %			
Altitude		Less than 1000m	100% Load		93.0 %			
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		■ B3 □ B5 □ V1 □ B3/B5	Speed at Full	Load	3560 r.p.m			
	Type	Anti-Friction	Torque					
Bearing	DE/N-DE	6212ZC3 / 6212ZC3		Full Load	10.1	kg.m		
	Lubricant	Grease(Polyrex-EM)		_ocked-rotor**	160	%		
External Th	rust	Not applicable	] I	Breakdown**	230	%		
Coupling Method		■ Direct □ V-Belt	Moment of In	nertia (J)				
Shaft Extension		■ Single □ Double	Ī	Load(Max.)	12.14764045	kg·m²		
Tr	Main	☐ Steel ☐ Cast Iron	1 [	Motor	0.18	kg·m²		
Terminal	Aux.	☐ Yes ■ No	Sound Pressure Level (No-load & mean value at 1m from motor)					
Box	Location	Refer to Outline Drawing	79 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		onsecutive starts Hot 2 times				
Applicable Standard		KS, IEC, NEMA MG1 Part30(Vpeak)	Paint	Munsell No.	Panton279C			
ACCESSORIES		125, 126, 1, 21, 11, 126, 1, unit 6 ( + peuis)	SUBMITTAL DRAWING					
3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Outline Dimension Drawing \ Motor Weight(Approx.)						
						CLV01	297 kg	
				B5	ENT TIZOSESC	22.401	kg	
				V1				
				B3/B5			kg	
			Main T-Box Ass'y		3M-145864		kg	
			Maii 1-Box Ass y		3M-143804			
<u> </u>								
		DE	NA DIZ					
			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				

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.

<sup>\*\*</sup> The data are based on rated voltage & frequency, and data are expressed as a percentage of full load value.

