

## AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		HHI50-18-326TC Item No		o. Rev. No. [ 1 ]				
Project Name		Project						
GENERAL SPECIFICATION				PERFOR		MANCE DATA		
Frame Siz	e	326TC		Rated Outp	ut	37 kW <b>50</b> HP		
Туре		РЈР		Number of Poles			4	
Enclosure(Protection)		Totally Enclosed (IP54)				Squirrel Cag	e	
Method of Cooling		IC411(FC)		Starting Method*		■ D.O.L □ Y- △		
Rated Frequency		60 Hz		Rated Volta		575 V	460 V	230 V
Number of Phases		3		Current F		47.9 A	59.9 A	119.8 A
Insulation Class		<b>■</b> F □ B □ H		L	ocked-rotor**	700 %	700 %	
Temp. Ris	e at full load	(by resistance method)		Efficiency				
at 1.0 S.F		80 deg. C			50% Load	93.3	%	
Motor Location		■ Indoor □ Outdoor			75% Load	94.5		
Altitude		Less than 1000 meter		1	100% Load	94.5		
Relative Humidity		Less than 80 %		Power Factor(p.u)				
Ambient Temp.		40 deg. C (Max.)			50% Load	0.740		
Duty Type		Continuous (S1)			75% Load	0.795		
Service Factor		1.15		1	00% Load	0.820		
Mounting		■ <b>B35</b> □ B5 □ V1 □ B3		Speed at Fu			r.p.m	
Wioditting	Туре	Anti-Friction	71 🗆 <b>D</b> 3	Torque	an Loud	1700	т.р.ш	
Bearing	DE/N-DE		211ZC3		ull Load	146.4	lh ft	
	Lubricant	Grease(Polyrex-EM)	211203		ocked-rotor**			
External Thrust		Not applicable		Breakdown		220		
Coupling Method		■ Direct □ V-Belt		Moment of		220	70	
Shaft Extension			Oouble		Load(Max.)	569.532	1b ft 2	
Terminal			Cast Iron		Motor	8.307		
l :		☐ Yes ☐ N						
Box	Aux. Location			Sound Pres	sure Level (N	No-load & mean value at 1m from motor)		
		Refer to Outline Drawing		77 dB(A) Vibration 3.8 mm/sec.(peak)		1-)		
Application		** 1			<i>d</i> ,		K)	
Area classification		Hazardous		Permissible number of		Cold 3 times Hot 2 times		
Type of Ex-Protection		Class I & II, Division 2		consecutive	e starts	Hot 2	times	
Applicable Standard		NEMA MG1, CSA C390 NEMA MG1 Part31		Paint N	Iunsell No.	4.0PB5.4/5.5	5(VL-451)	
ACCESSO	ORIES			SUBMITTAL DRAWING				
				Outline Dir	nension Draw		Motor Weig	ht(Approx.)
					В3	LM-T1326C		560 lb.
					B5			lb.
					V1			lb.
					B3/B5			lb.
				Barba			10.	
SPARE PARTS				REMARK		Dromium L	fficiones	
OF ARE PARTS			* CSA Certified for					
				: CLASS I, Div. 2, Gr. A, B, C & D				
				: CLASS II, Div. 2 Gr. E, F & G (Gr. E : Up to 320FR)				
				Date	DSND	CHKD	CHKD	APPD
			2024-04-18	R. G. KIM	S.K. HAN	O.J. KIM	S.Y. KIM	
					IG G. KIM	2.1L. 111 11 V	C.D. 11111	S.1. KIIVI

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.

<sup>\*</sup> In case of Inverter-Fed Motor, performance data is based on sine wave tests.

<sup>\*\*</sup> Data is based on when the motor is supplied at rated voltage & frequency. and the data is expressed as a percentage of full-load value.

