

## AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No. Project Name GENERAL Frame Size	SPECIFICAT			em No. roject No.				. No. [ ntity	0	]	
Project Name GENERAL	SPECIFICAT		Pr	oject No.			0.0				
GENERAL	SPECIFICAT	TON					Qua	nuty	sets		
		TION				PERFORM		2			
	2258			Rated Ou	itput			45 kW	60 H	Р	
Type HLP-45/6				Number of Poles			6				
Enclosure(Protection) Totally Enclosed (IP55)			Rotor Ty	Rotor Type			Squirrel Cage				
Method of Cooling IC411(FC)				Starting Method*			$\square D.O.L \qquad \square Y- \triangle$				
Rated Frequency 60 Hz				Rated Voltage			V 380		220		
Number of Phases 3				Current Full Load		76.2			152.4		
		□ н			ked-rotor**	750			750 9		
Temp. Rise at full load				Efficienc			.L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/0		
at 1.0 S.F		eg. C				50% Load	94	4.2 %			
Motor Location		Indoor Outdoor				75% Load		4.7 %			
Altitude		Less than 1000 meter				0% Load		4.5 %			
Relative Humidity	Less than	80 %		Power Fa			1	1.5 /0			
Ambient Temp.			g. C (Max			50% Load	0.7	'35			
Duty Type	Continuous		$g \in \mathbb{C}$ (Ivian	.)		75% Load	0.7				
Service Factor		Continuous (S1) 1.15			-		0.8				
Mounting		□ B3 □ B5 □ V1 ■ B3/B5		/B5 Speed of	100% LoadSpeed at Full Load						
Type	Anti-Frictio		vi 🗖 B3	Torque	1.011	LUau	11	85 r.p.m			
• •			21202	Torque	E-1	l Load	2'	7.0.1			
Bearing DE/N-DE	6314C3							$7.0 \text{ kg} \cdot \text{m}$			
Lubricant		Grease(Gadus S2 V 100 2)			·	ked-rotor**	+	50 %			
External Thrust	Not applica					akdown**	2	30 %			
Coupling Method	Direct		V-Belt	Moment			1010				
Shaft Extension	Single		Double			ad(Max.)		50 kg·m <sup>2</sup>			
Terminal Main	Steel		Cast Iron			otor		55 kg·m <sup>2</sup>			
Box Aux.		🗌 Yes 🔳 No			Sound Pressure Level (No-load & mean value at 1m from motor)					notor)	
Location	Refer to Ou	tline Draw	ving					73 dB(A)			
Application				Vibration			Cold	2.2 mm/sec (r	.m.s)		
Area classification	Non-Hazar	Non-Hazardous			Permissible number of			3 times			
Type of Ex-Protection	Not applicable			consecuti	consecutive starts		Hot	2 times			
Applicable Standard KS,IEC, NEMA MG1 Part30(Vpeak			ak) Paint	Paint Munsell No.			5.6(VL-451)				
ACCESSORIES						SUBMITT	TAL DRAV	WING			
				Outline I	Outline Dimension Drawing \ Motor Weight(Approx.)						
						B3	LM-T122	1B3PL001	380	kg	
						B5	LM-T1225	5B5PL001	420		
						V1	LM-T122	5V1PL001	420		
						B3/B5	LM-T122	1B4PL001	400		
				Main T-B	Main T-Box Ass'y			3M-016881			
SPARE PARTS			REMAR	REMARK			Premium Efficiency				
					*. For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise						
				. 101 use	011 1		.1 v 1, 5.101	lenosiai n	лпр. 11 <b>5</b> с	, ,	
				Date		DSND	CHKD	CHKD	A	APPD	
				2015-09-	05	R.G. KIM	-	O.J. KIN	I S.	H. GO	

\*\* 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.





