

## AC INDUCTION MOTOR DATA SHEET

HE	AVY INDUSTRIES	CO.,LTD.									
Model No.or RFQ No. Item				Item N	0.		Rev. No. [ 0 ]				
Project Name				Project	No.		Quant	ity s	ets		
G	ENERAL SI	PECIFIC	ATION	N			PERFOR	MANCE DA	TA		
Frame Size	2	250M				Rated Outp	ut	90	) kW	120 HP	)
Туре		HLP-90/2			Number of Poles 2						
Enclosure(Protection)		Totally Enclosed (IP55)			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		440 V			220	
Number of Phases		3			Current Full Load		137.4 A			274.7	
Insulation Class		■ F □ B □ H					ocked-rotor**	770 %			770
	e at full load (					Efficiency	Joeked Totol	1 110 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	110
at 1.0 S.F		80 deg. C				50% Load	93 4	93.5 %			
Motor Location		■ Indoor □ Outdoor				75% Load	95.0 %				
Altitude		Less than 1000 meter				100% Load	95.0 %				
Relative Humidity		Less than 80 %			Power Fact		95.	, ,0			
						50% Load	0.87				
Ambient Temp.		40 deg. C (Max.		$\mathcal{L}$ (Max.)							
Duty Type		Continuous (S1)			75% Load	0.89					
Service Factor						100% Load	0.90				
Mounting		■ B3 □ B5 □ V1 □ B3/B5			Speed at Fu		3570	) r.p.m			
Bearing	Туре	Anti-Fri				Torque					
	DE/N-DE	6313C3			3C3		full Load		5 kg∙m		
	Lubricant	Grease(		2 V 100	2)		ocked-rotor**	+	) %		
External Thrust		Not applicable				Breakdown**	230	) %			
Coupling Method		Dire		□ V-]		Moment of		·			
Shaft Exter	nsion	Sing	le	Do Do	uble		Load(Max.)		) kg·m²		
Terminal	Main	Steel	1	Ca	st Iron	]	Motor	1.143	<sup>3</sup> kg⋅m <sup>2</sup>		
Box	Aux.	Tyes No			Sound Pres	sure Level (No	-load & mean	value at 1m f	rom mo	otor)	
	Location	Refer to Outline Drawing			88 dB(A)						
Application					Vibration	Vibration 2.2 mm/sec (r.m.s)					
Area classification		Non-Hazardous			Permissible	number of	Cold	3 times			
Type of Ex-Protection		Not applicable			consecutive	starts	Hot	times			
Applicable Standard		KS,IEC, NEMA MG1 Part30(Vpeak)		t30(Vpeak)	Paint N	/unsell No.	4.4PB5.5/5.	5(VL-451)			
ACCESSC		•					SUBMITT	AL DRAW	ING		
						Outline Dir	nension Drawi	ng \	Motor Weig	ght(App	orox.)
							B3	LM-T1253B	······································	530	kg
						-	B5	LM-T1250B	5CL001	570	kg
						-	V1	LM-T1250V		570	kg
							B3/B5	LM-T1253B		550	kg
				Main T-Box Ass'y		3M-016882					
							1105 y	5101 010002			
SPARE PARTS				REMARK		Ducant	766				
STAKE FAK IS							Premium Efficiency 1VT, 3:1CT@1.0S.F&F Temp. rise				
						*. For use on	PWM VFD 10	:1VT, 3:1CT@	21.08.F&F Tem	ip. rise	
						Date	DSND	CHKD	CHKD	A	PPD
						2015-09-05	R.G. KIM	-	O.J. KIM	S.H	I. GC

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





