

## AC INDUCTION MOTOR DATA SHEET

HE	AVY INDUSTRIES	CO.,LTD.											
Model No	.or RFQ No.			Item N	0.		Rev. N	lo. [	0	1			
Project Name		Project				Quant	ity se	ets	-				
5	GENERAL S	PECIFICA	TION	1 5		PERFORM	MANCE DA						
Frame Siz		250M			Rated Outpu				20 HP				
Туре		HLP-90/4		Number of Poles		4							
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			220			
Number of Phases		3				ull Load	143.1 A			86.2			
Insulation Class		F		н Н	-	ocked-rotor**	770 %			770			
Temp. Rise at full load (I		1		Efficiency				1					
at 1.0 S.F		80 deg. C		50% Load 94.6 %									
Motor Location		Indoor □ Outdoor		-	75% Load	95.5							
Altitude		Less than 1000 meter		-	100% Load 95.4 %								
Relative Humidity		Less than 80 %		Power Factor(p.u)									
Ambient Temp.			40 deg. C (1	Max )		50% Load	0.784	1					
Duty Type		Continuous (S1)		-	75% Load	0.845							
Service Factor		1.15			100% Load	0.865							
Mounting		$\blacksquare B3 \square B5 \square V1 \square B3/B5$		Speed at Full Load 1785 r.p.m									
Type		Anti-Friction		Torque									
Bearing	DE/N-DE	6316C3	/ 6313C	2	· · ·	ull Load	40.1	lka m					
	Lubricant		$\frac{70513C}{1002}$	3	-	ocked-rotor**		l kg∙m ) %					
E	1				-	reakdown**							
External Thrust		Not applic					230	) %					
Coupling Method Shaft Extension		Direct			Moment of		(2.52)	1 2					
		Single				.oad(Max.)	<u> </u>	$kg \cdot m^2$					
Terminal Box	Main	Cast Iron			Motor 1.940 kg·m <sup>2</sup>								
	Aux.	☐ Yes ■ No			Sound Pressure Level (No-load & mean value at 1m from motor)					otor)			
Location		Refer to Outline Drawing		82 dB(A)									
Application				Vibration			2 mm/sec (r.m	1.s)					
Area classification		Non-Hazardous		Permissible number of			3 times						
Type of Ex-Protection		Not applicable		consecutive starts			2 times						
Applicable Standard		KS,IEC, NEMA MG1 Part30(Vpeak)		Paint N	lunsell No.	4.4PB5.5/5.6	5(VL-451)						
ACCESSO	ORIES					SUBMITT	AL DRAW	ING					
					Outline Dim	ension Drawin	ng \	Motor Weig	ht(App	rox.)			
						B3	LM-T1253B	3PL001	530	kg			
						B5	LM-T1250B	5PL001	570	kg			
						V1	LM-T1250V	'1PL001	570	kg			
						B3/B5	LM-T1253B	4PL001	550	kg			
					Main T-Box Ass'y		3M-016882			0			
						2							
										Premium Efficiency			
SPARE P	ARTS				REMARK		Promium I	fficiency					
SPARE PA	ARTS				REMARK	PWM VED 10			n rise				
SPARE PA	ARTS					PWM VFD 10			p. rise				
SPARE P.	ARTS					PWM VFD 10:			p. rise				
SPARE P.	ARTS					PWM VFD 10:			p. rise				
SPARE P	ARTS					PWM VFD 10:			p. rise				
SPARE P	ARTS				*. For use on		1VT, 3:1CT@	1.0S.F&F Tem	-				
SPARE P.	ARTS					PWM VFD 10: DSND			-	PPD			
SPARE PA	ARTS				*. For use on Date	DSND	1VT, 3:1CT@	CHKD	AI				
SPARE P	ARTS				*. For use on		1VT, 3:1CT@	1.0S.F&F Tem	AI	PPD			
					*. For use on Date	DSND	1VT, 3:1CT@	CHKD	AI				
lote: Others no	ot mentioned in this		be in accordance with maind shall be guaranteed w		*. For use on Date 2015-09-05	DSND R.G. KIM	1VT, 3:1CT@	CHKD	AI				

\*\* 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.





