



Customer : Project Name : Project No. : Revision No. :

SPECIFICATION for INDUCTION MOTOR





0		For Bidding			
No.	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY



AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No. Item No.				Rev. N	o. []				
Project Name Project No.				Quanti	Quantity sets					
GENERAL SPECIFICATION				PERFORMANCE DATA						
Frame Size 143T				Rated Out	Rated Output		kW	1.0 HP		
Туре		PJP			Number of	Poles		4		
Enclosure(Protection)		Totally Enclo	Totally Enclosed / IP55		Rotor Type	е	Squirrel Cag	e		
Method of Cooling		IC411(FC)		Starting M	ethod*	☑ D.O.L	☐ Y-	<u>- </u>		
Rated Free	quency	60 Hz		Rated Voltage		575 V	460 V	230	V	
Number of	f Phases	3		Current I	Full Load	1.26 A	1.57 A	3.15	A	
Insulation	Class	✓ F	В Н		I	_ocked-rotor**	930 %	930 %	930	%
Temp. Ris	e at full load	(by resistance method)		Efficiency						
at	1.0 S.F	80 deg. C		50% Load 82.5 %						
Motor Loc	cation	✓ Indoor □ Outdoor			75% Load	84.5	%			
Altitude		Less than 1000 meter			100% Load	85.5	%			
Relative H	Iumidity	Less than	80 %		Power Factor(p.u)		Į.			
Ambient 7			40 deg. C (Max.)		50% Load		0.550			
Duty Type	2	Continuous (S				75% Load	0.650			
Service Fa		1.0			100% Load	0.700	0.700			
Mounting		В3			Speed at F	ull Load	1755	r.p.m		
	Type	Anti-Friction			Torque		L			
Bearing	DE/N-DE	6205ZZC	3 / 6204ZZ	ZC3		Full Load	3.0	lb.ft		
	Lubricant	Grease	,			Locked-rotor**	280			
External T		Not applicable		I	Breakdown**	310				
Coupling		✓ Direct V-Belt		Moment of Inertia (J)						
Shaft Exte		✓ Single ☐ Double		Load(Max.) 7.910 lb.ft2						
Terminal		Aluminum			<u> </u>	Motor	0.059			
Box	Aux.	Yes No			Sound Pressure Level (No-load & mean value at 1m from motor)					
20.1	Location	Refer to Outli	_		56 dB(A)				-/	
Application		recor to Sudme Bruwing		Vibration			3.8 mm/sec (peak)			
Area class		Hazardous				times				
	x-Protection			consecutive starts Hot 2 times						
Applicable		NEMA MG1, CSA C390		Paint Munsell No. 4.0PB5.4/5.5(VL-451)						
ACCESSO					SUBMITTAL DRAWING					
					Outline Dimension Drawing			\ Motor Weight(Approx.)		
						В3	LM-T2143F		55 lb.	
					REMARK					
					Premium efficiency according to NEMA MG1					
					2. Inverter Duty @ 1.0 Service Factor & F Temperature rise					
					10:1 VT (20:1 VT at 50% load)					
					10:1 CT					
			CHP up to 1.5 times base speed							
			3. CSA Certification							
SPARE PARTS			Class I, Division 2, Group A, B, C & D							
SFARE FARTS			Class I, Division 2, Group E, F & G (Group E : up to 320Fr.)							
			4. Service Factor 1.15 and Temperature rise B are applicable							
			under the condition of sine wave power.							
			5. Service Factor 1.25 is applicable to motors of 100HP or less							
			with temperature rise F & Non-Hazardous.							
			WILLIU	omperature rist	. 1 6 1 1011-116	ızaravas.				
			Date	DSND	CHKD	CHKD	APPD)		
			2023-11-13	I.S. Ko	S.H. Lee	Y.K. Kim	S.Y. Ki	.III		

[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 done according to maker standard, if not mentioned.

- * In case of Inverter-Fed Motor, performance data is based on sine wave tests. It may be different from test data of Inverter combined motor.
- ** Data is based on rated voltage & frequency and is expressed as a percentage of full-load value.



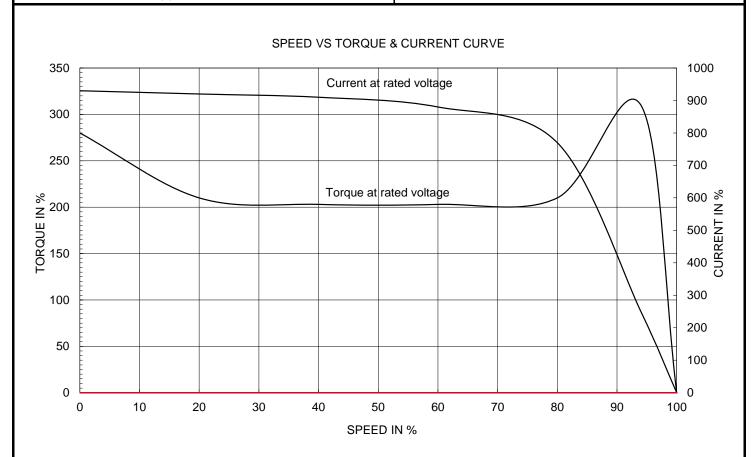
PERFORMANCE CURVE

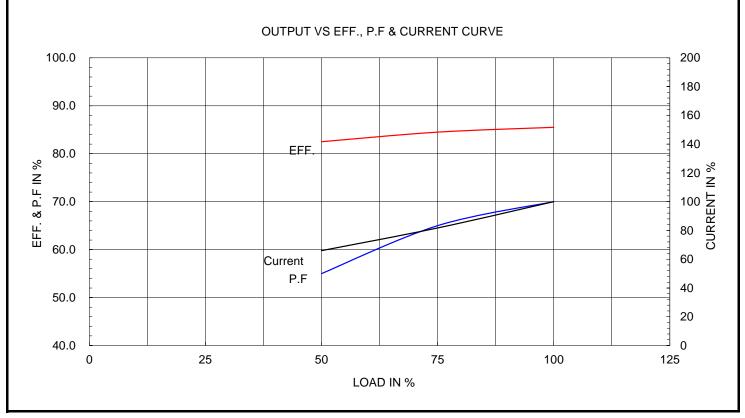
CURVE NO.

P-1HP-4P

Type:	PJP		
Full Load Torque:	3.0	lb.ft	_
Load moment of Inertia (J):	-	lb.ft2	
Motor moment of Inertia (J):	0.059	lb.ft2	

0.75 kW 1 HP 4	4 P		Hz
Speed at Full Load:		1755	RPM
Rated Voltage	575V	460V	230V
Full Load Current	1.3A	1.6A	3.1A





RM-P251-133 A4(210mm x 297mm)

