



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.		Vo.			Rev. N	lo. []			
Project Name Project No.		t No.			Quanti	Quantity sets				
GENERAL SPECIFICATION				PERFORMANCE DATA						
		254T			Rated Output		11	kW	15.0 HP	
Туре		PJP			Number of Poles			4		-
Enclosure(Protection)		Totally Enclo	sed / IP55		Rotor Type	e	Squirrel Cag	je		
Method of Cooling		IC411(FC)		Starting M	lethod*	✓ D.O.L	☐ Y	<u>-</u> Δ		
Rated Free	quency	60 Hz		Rated Voltage		575 V	460 V	230	V	
Number of	f Phases	3		Current I	Full Load	14.6 A	18.2 A	36.4	A	
Insulation	Class	✓ F	В Н		I	Locked-rotor**	750 %	750 %	750	%
Temp. Ris	e at full load	(by resistance method)		Efficiency						
at	1.0 S.F	80 deg. C		50% Load 89.4 %						
Motor Loc	cation	✓ Indoor □ Outdoor			75% Load	91.4	%			
Altitude		Less than 1000 meter			100% Load	92.4	%			
Relative H	Iumidity	Less than	80 %		Power Factor(p.u)		ļ.			
Ambient 7			40 deg. C (Max.)		50% Load		0.670	ı		
Duty Type	<u> </u>	Continuous (S				75% Load	0.770	ı		
Service Fa		1.0			100% Load	0.820	0.820			
Mounting		В3			Speed at F	ull Load	1775	r.p.m		
	Туре	Anti-Friction			Torque		l			
Bearing	DE/N-DE	6309ZC3	/ 6309ZC	3		Full Load	43.7	lb.ft		
	Lubricant	Grease	,			Locked-rotor**	200	%		
External T		Not applicable		I	Breakdown**	240				
Coupling		✓ Direct V-Belt		Moment of Inertia (J)						
Shaft Exte		✓ Single ☐ Double		Load(Max.) 88.098 lb.ft2						
Terminal		Aluminum				Motor	2.136			
Box	Aux.	Yes No			Sound Pressure Level (No-load & mean value at 1m from motor)					
20.1	Location	Refer to Outline Drawing			70 dB(A)				-/	
Application		recor to Sudme Bruwing		Vibration			3.8 mm/sec (peak)			
Area class		Hazardous					* :			
	x-Protection			consecutive starts Hot 2 times			-			
Applicable		NEMA MG1, CSA C390		Paint Munsell No. 4.0PB5.4/5.5(VL-451)						
ACCESSO					SUBMITTAL DRAW					
									tor Weight(Approx.)	
						В3	LM-T2254I		240 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						
STARLTARTS			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	chiperature 11st	. 1 W 1 VOII-11	azaraous.				
			Date	DSND	CHKD	CHKD	APPE)		
			2023-11-13	3 I.S. Ko	S.H. Lee	Y.K. Kim	S.Y. Ki	Ш		

[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.



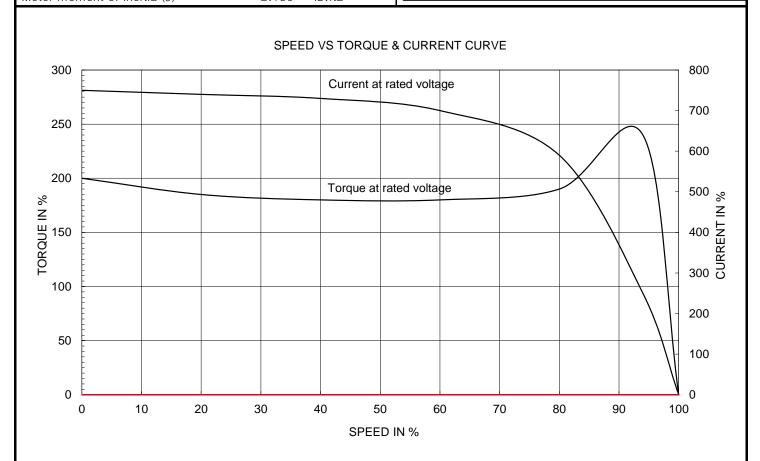
PERFORMANCE CURVE

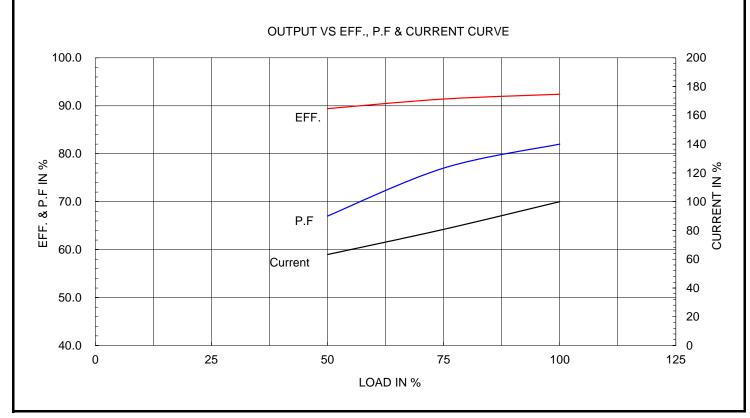
CURVE NO.

P-15HP-4P

Type:	PJP		
Full Load Torque:	43.7	lb.ft	
Load moment of Inertia (J):	_	lb.ft2	
Motor moment of Inertia (J):	2.136	lb.ft2	_

11 kW 15 HP 4	4 P		Hz
Speed at Full Load:		1775	RPM
Rated Voltage	575V	460V	230V
Full Load Current	14.6A	18.2A	36.4A





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

