



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	lo. []	
Project Na	ıme		Project No.			Quanti	ty	sets	
GENERAL SPECIFICATION		PERFORMANCE DATA							
Frame Size 445TC		Rated Output 110 kW 150.0 HP							
Туре		РЈР		Number of Poles			4		
	(Protection)	Totally Enclosed / IPS	55	Rotor Typ		Squirrel Cag	e		
Method of	` ,	IC411(FC)		Starting M		√D.O.L	Y	<u>- </u>	
Rated Free		60 Hz		Rated Vol		575 V			V
Number of		3			Full Load	131.0 A			A
Insulation			Н	4	Locked-rotor**				%
		(by resistance method)		Efficiency					
	1.0 S.F	80 deg. C			50% Load	92.8	%		
Motor Loc		✓ Indoor □ Outdoo	or		75% Load	94.8			
Altitude	Auton	Less than 1000 meter	<u></u>		100% Load	95.8			
Relative H	- Inmidity	Less than 80 %		Power Fac		,,,,	/0		
Ambient 7			(Max.)	10,,011	50% Load	0.730			
Duty Type		Continuous (S1)	(IVIAA.)	l	75% Load		0.830		
Service Fa		1.0		 	100% Load		0.880		
		B35					r.p.m		
Mounting		Anti-Friction		Speed at Full Load		1/05	r.p.m		
Decima	Type	6318C3 or NU318 /	6316C3	Torque	Full Load	434.1	11, 64		
Bearing	DE/N-DE	,	031003	4 ∟					
- 100	Lubricant	Grease		4 ⊢	Locked-rotor**				
External T		Not applicable		Breakdown**		220	%		
Coupling 1		☑ Direct ☐ V-Belt		_	f Inertia (J)	1 055 504			
Shaft Exte		✓ Single □ Double			Load(Max.)	1,855.724			
Terminal		☐ Aluminum ☑ Cast Ire	on		Motor	67.430			
Box	Aux.	☐ Yes ✓ No		Sound Pre	ssure Level (N			n from moto	r)
	Location	Refer to Outline Drawing				85 dB(A)			
Applicatio				Vibration		3.8 mm/sec (peak)			
Area class		Hazardous			Permissible number of Cold 3 times				
	x-Protection	Class I & II, Division 2		consecutiv			times		
	e Standard	NEMA MG1, CSA C390		Paint Munsell No. 4.0PB5.4/5.5(VL-451)					
ACCESSO	DRIES				SUBMITTAL DRAWING				
				Outline Di	imension Draw			ght(Approx.)	l
					B35	LM-T1445	C4PL001	1720 lb.	
									_
				REMARK					
				1. 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						
SI ARL LARIS			Class II, 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.		IUUIII OI IC.	58		
		with	elliperature risc	3 F & INOII-11	azaruous.				
		Date	DSND	CHKD	CHKD	APPE			
				2023-11-13	3 I.S. Ko	S.H. Lee	Y.K. Kim	S.Y. Ki	m

[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.



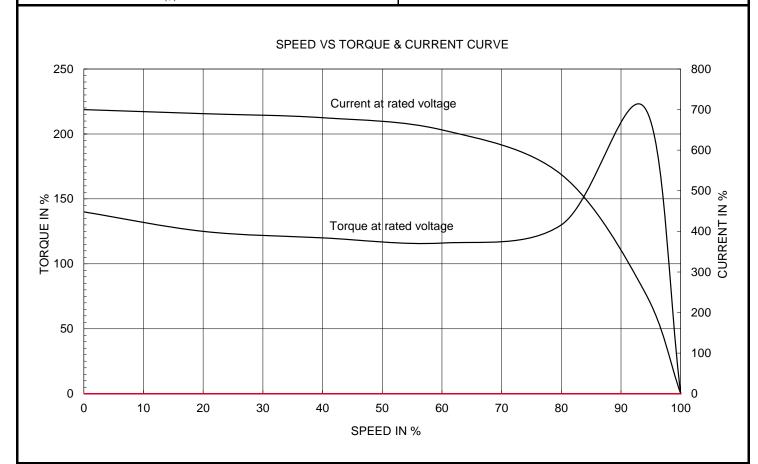
PERFORMANCE CURVE

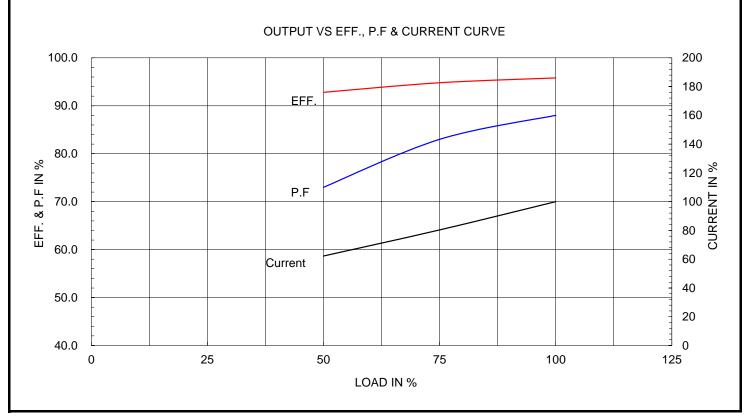
CURVE NO.

P-150HP-4P

Type:	PJP		
Full Load Torque:	434.1	lb.ft	
Load moment of Inertia (J):	_	lb.ft2	
Motor moment of Inertia (J):	67.430	lb.ft2	

110 kW 150 HP 4	4 P		Hz
Speed at Full Load:		1785	RPM
Rated Voltage	575V	460V	230V
Full Load Current	131.0A	163.8A	327.5A





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

