



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.		o.			Quanti	Quantity sets				
GENERAL SPECIFICATION					PERFORMANCE DATA					
		324TC		Rated	Rated Output		30	kW	40.0 HP	
Туре		PJP		Numb	er of	Poles		4		-
Enclosure(Protection)		Totally Enclo	sed / IP55	Rotor	Туре	.	Squirrel Cag	e		
Method of	Cooling	IC411(FC)		Startir	ng Mo	ethod*	☑ D.O.L	☐ Y	<u>-</u> Δ	
Rated Free	quency	60 Hz		Rated	Rated Voltage		575 V	460 V	230	V
Number of	f Phases	3		Currei	nt F	Full Load	39.0 A	48.8 A	97.6	A
Insulation	Class	✓ F	В П		I	ocked-rotor**	850 %	850 %	850	%
Temp. Ris	e at full load	(by resistance method)		Efficie	Efficiency					
at	1.0 S.F	80 deg. C			50% Load 91.1 %					
Motor Loc	cation	✓ Indoor □ Outdoor				75% Load	93.1	%		
Altitude		Less than 1000 meter			1	100% Load	94.1	%		
Relative H	Iumidity	Less than	80 %	Power	Power Factor(p.u)					
Ambient 7	Гетр.		40 deg. C (Max.)		50% Load		0.670			
Duty Type		Continuous (S				75% Load	0.770			
Service Fa		1.0			100% Load		0.820			
Mounting		B35		Speed	peed at Full Load			1780 r.p.m		
	Туре	Anti-Friction		Torqu				1		
Bearing	DE/N-DE	6313ZC3	6212ZC3			Full Load	118.7	lb.ft		
	Lubricant	Grease	,			ocked-rotor**	170	%		
External T		Not applicable				Breakdown**	220			
Coupling		✓ Direct V-Belt		Mome	Moment of Inertia (J)					
Shaft Exte		✓ Single ☐ Double			Load(Max.) 218.553 lb.ft2					
Terminal		Aluminun			_	Motor	7.121			
Box	Aux.	Yes No		Sound	Sound Pressure Level (No-load & mean value at 1m from motor)					
20.1	Location	Refer to Outline Drawing			74 dB(A)				-/	
Application		refer to cumine Drawing		Vibrat	Vibration			3.8 mm/sec (peak)		
Area class		Hazardous						* :		
					consecutive starts Hot 2 times					
Applicable		NEMA MG1, CSA C390		Paint						
ACCESSO				1 41114	SUBMITTAL DRAWING					
				Outlin	ne Din	e Dimension Drawing				
						B35	LM-T23240		570 lb.	
				REMA	ARK					
					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						
or med miner				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.						
			· ·	1111 10	imperature 1180	. 1 & 140H-116	.zuuous.			
			Da	ite	DSND	CHKD	CHKD	APPE)	
				2023-1	11-13	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.



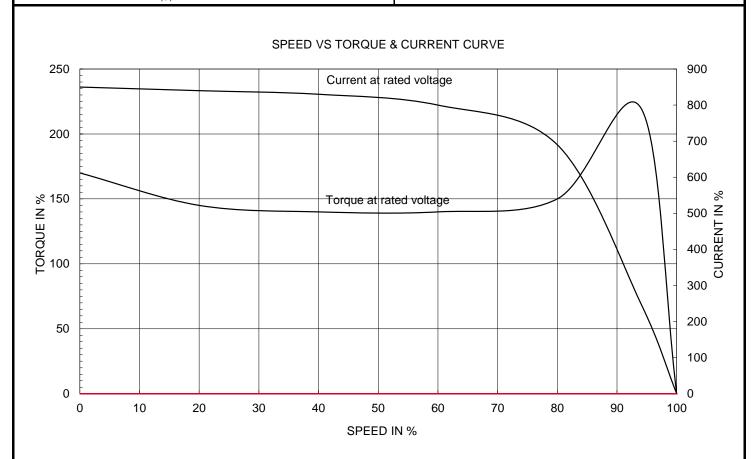
PERFORMANCE CURVE

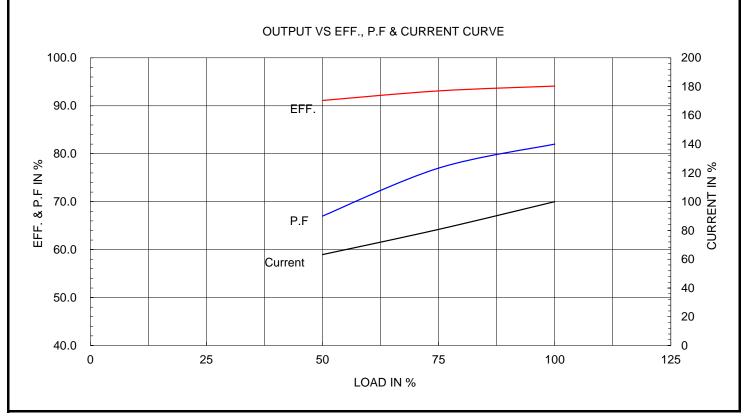
CURVE NO.

P-40HP-4P

Type:	PJP		
Full Load Torque:	118.7	lb.ft	
Load moment of Inertia (J):	_	lb.ft2	
Motor moment of Inertia (J):	7.121	lb.ft2	_

30 kW 40 HP 4	4 P		Hz
Speed at Full Load:		1780	RPM
Rated Voltage	575V	460V	230V
Full Load Current	39.0A	48.8A	97.6A





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

