



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 Name Project No.		ct No.			Quanti	Quantity sets				
GENERAL SPECIFICATION				PERFORMANCE DATA						
Frame Size 286TC				Rated Output		22	kW	30.0 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	ethod*	✓ D.O.L	☐ Y	- Δ		
Rated Free	quency	60 Hz		Rated Voltage		575 V	460 V	230	V	
Number of	f Phases	3		Current I	Full Load	29.1 A	36.4 A	72.8	A	
Insulation	Class	✓ F	В Н		I	Locked-rotor**	740 %	740 %	740	%
Temp. Ris	e at full load	(by resistance method)		Efficiency						
at	1.0 S.F	80 deg. C		50% Load 90.6 %						
Motor Loc	cation	✓ Indoor □ Outdoor			75% Load	92.6	%			
Altitude		Less than 1000 meter			100% Load	93.6	%			
Relative H	Iumidity	Less than	80 %		Power Factor(p.u)		ļ.			
Ambient T	Гетр.		40 deg. C (Max.)		50% Load		0.660	ı		
Duty Type	<u> </u>	Continuous (S				75% Load	0.760	ı		
Service Fa		1.0			100% Load	0.810	0.810			
Mounting		B35			Speed at F	ull Load	1775	r.p.m		
	Туре	Anti-Friction			Torque		l			
Bearing	DE/N-DE	6310ZC3	/ 6310Z0	C3		Full Load	87.3	lb.ft		
	Lubricant	Grease	·			Locked-rotor**	170			
External T		Not applicable		I	Breakdown**	220				
Coupling 1		✓ Direct V-Belt		Moment of Inertia (J)						
Shaft Exte		✓ Single ☐ Double		Load(Max.) 160.272 lb.ft2						
Terminal		Aluminun				Motor	5.578			
Box	Aux.	Yes No			Sound Pressure Level (No-load & mean value at 1m from motor)					
20.1	Location	Refer to Outline Drawing			72 dB(A)				-/	
Applicatio		refer to Summe Bruwing		Vibration			3.8 mm/sec (peak)			
Area class		Hazardous					* :			
	x-Protection				nsecutive starts Hot 2 times					
Applicable		NEMA MG1, CSA C390								
ACCESSO					SUBMITTAL DRAWING					
					Outline Dimension Drawing \ Motor Weight(A			ht(Approx.))	
						B35	LM-T22860		430 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.							
			with t	emperature 1180	. 1 & 110H-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.



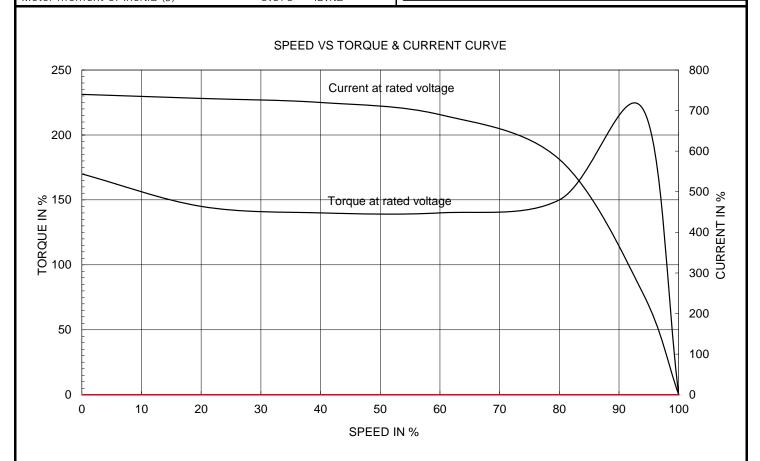
PERFORMANCE CURVE

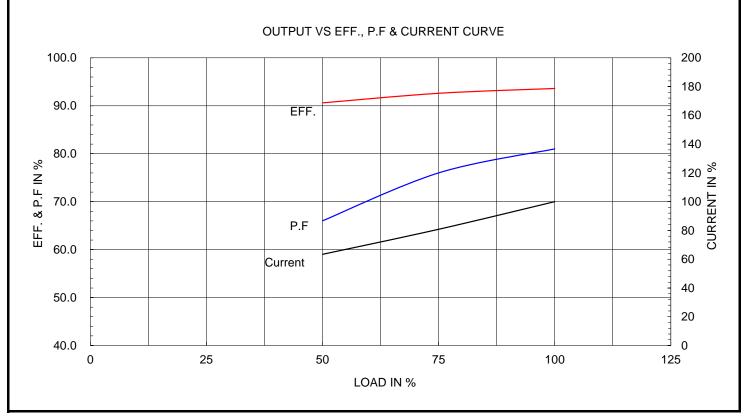
CURVE NO.

P-30HP-4P

Type:	PJP		
Full Load Torque:	87.3	lb.ft	
Load moment of Inertia (J):	_	lb.ft2	
Motor moment of Inertia (J):	5.578	lb.ft2	

22 kW 30 HP 4	4 P		Hz
Speed at Full Load:		1775	RPM
Rated Voltage	575V	460V	230V
Full Load Current	29.1A	36.4A	72.8A





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

