

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	No. []
Project Name			Project No.			Quant	ity	sets
GENERAL SPECIFICATION			PERFORMANCE DATA					
Frame Size 112M		Rated Out			kW	5.0 HP		
Type		HKP-3.7/4		Number o	*		4	
Enclosure(Protection)		Totally Enclosed / IP55		Rotor Type Squirrel Cage				
Method of		IC411(FC)		Starting Method*		- /		
Rated Free				Rated Vol		440 V		
Number of		3		Current		6.8 A		
Insulation		□ F □ B □ H		_	Locked-rotor**	800 %		
				Efficiency			1	
	1.0 S.F	80 deg. C			<u>'</u>			
Motor Loc		✓ Indoor ☐ Outdoor						
Altitude		Less than 1000 meter			100% Load	89.5	%	
Relative H	Jumidity	Less than 80 %		Power Fac		07.5	70	
Ambient 7	•		Max.)	Power Factor(p.u)				
Duty Type		Continuous (S1)	лах.)	-				
Service Fa		1.15		-	100% Load	0.800	`	
		B3						
Mounting				Speed at I	full Load	1760	r.p.m	
	Туре	Anti-Friction	•	Torque	- 11 T 1	2.0		20.1
Bearing	DE/N-DE	6206ZZC3 / 6206ZZC	3		Full Load		kg⋅m	20.1
	Lubricant	Grease		l L	Locked-rotor**	200		4.1 kg⋅m
External T		Not applicable			Breakdown**	240	%	4.9 kg⋅m
Coupling 1		☑ Direct ☐ V-Belt		Moment of Inertia (J)				
Shaft Exte	ension	☑ Single ☐ Double			Load(Max.)		kg·m ²	
Terminal	Main	☑ Aluminum ☐ Cast Iron	l		Motor	0.013	$kg \cdot m^2$	
Box	Aux.	☐ Yes ☐ No		Sound Pre	essure Level (N	lo-load & me	ean value at 1	m from motor)
	Location	Refer to Outline Drawing				60	dB(A)	
Application	on			Vibration		1.6	mm/sec (pe	ak)
Area class		Non-Hazardous		Permissible number of		Cold 20	times	
Type of Ex	x-Protection	Not applicable		consecutive starts		Hot 15	times	
* *	e Standard	KS, IEC, NEMA MG1 Part30	0(Vpeak)		Munsell No.	PHANTON	E 279C	
ACCESSO			(1 /	SUBMITTAL DRAWING				
				Outline D	imension Draw			ght(Approx.)
					B3	LM-T0113		48 kg
						20110110	2012.01	
				REMARK	7			
						(IE2) 4-	VC C 4202	
				*. Premium efficiency(IE3) acc. to KS C 4202				
				*. SSEN Series *. For use on PWM VFD 10:1VT,3:1CT@1.0S.F&F Temp.rise				
			*. For u	se on PWM VI	FD 10:1V1,3	3:1CT@1.0S.	F&F Temp.rise	
					FOR	BID	ואורח	
SPARE PA	ARTS				OI	טוט	ווטי	
								.
				Date	DSND	CHKD	CHKD	APPD
				2021-04-2	.6			
Notes Ort	ot monti1: d:	a data about aball be in early 1999	nolron -+ 1 1					
rvote: Others no	or mennoned in thi	s data sheet shall be in accordance with n	nakei standard.					

Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.

Inspection and performance test shall be maker standard, $\,$ if not mentioned.

 $\ensuremath{^{*}}$ In case of Inverter-Fed Motor, performance data is based on sine wave tests.

** Data is based on when the motor is supplied at rated voltage & frequency, and the data is expressed as a percentage of full-load value.

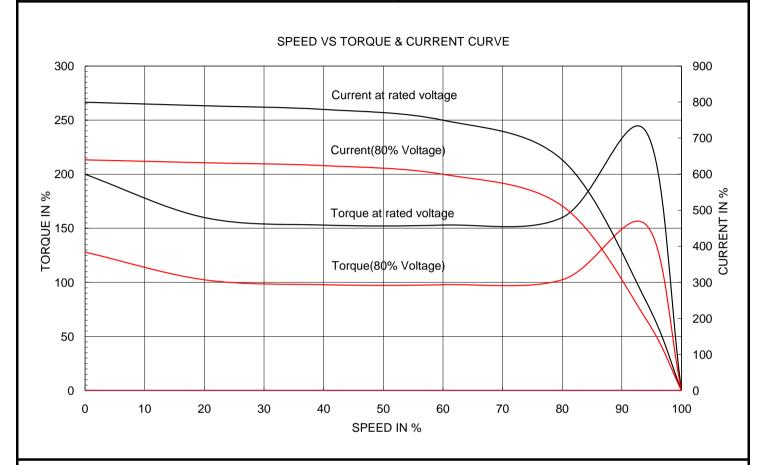
HHI W230-131-1 A4(210mm X 297mm)

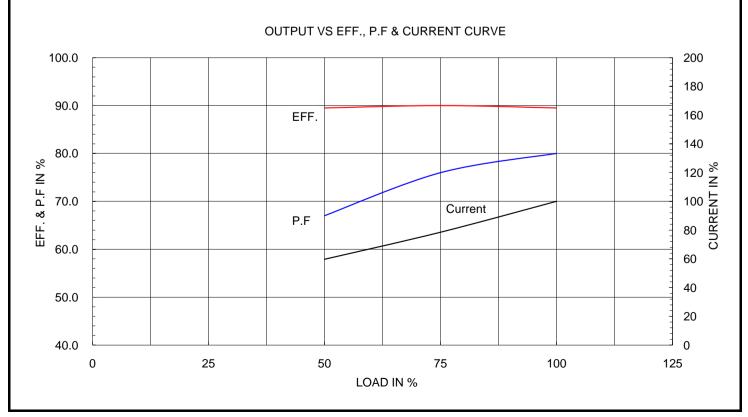
PERFORMANCE CURVE

CURVE NO.

Type: HKP-3.7/4		
Full Load Torque:	2.0	kg.m
Load moment of Inertia (J):	_	kg.m²
Motor moment of Inertia (J):	0.013	kg.m ²

3.7 kW	4 P	60 Hz
Speed at Full Load:		1760 RPM
Rated Voltage	440	
Full Load Current	6.8A	





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

