

AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.		Rev. N	lo. [0]			
Project Name		Project		No.		Quant	ity	sets		
· ·		PECIFICATION			PERFORM	MANCE DA				
Frame Size		160L		Rated Out			11 kW 15 HP			
Туре		HL-XP		Number of Poles			6			
Enclosure(Protection)		Explosion Proof (IP55)		Rotor Type Squirrel Cage						
Method of Cooling		IC411(FC)		· · · · · · · · · · · · · · · · · · ·		D.O.L	<u> </u>			
Rated Frequency		60 Hz		Rated Vol		440 V		$\overline{\mathbf{v}}$	220 V	
Number of Phases		3			Full Load	21.1 A			42.1 A	
Insulation Class		■ F □ B □ H			Locked-rotor**				650 %	
Temp. Rise at full load (Efficiency		323 /		70	000 70	
at 1.0 S.F		80 deg. C			50% Load	89.5	%			
Motor Location		■ Indoor □ Outdoor			75% Load	90.7				
Altitude		Less than 1000 meter			100% Load					
Relative Humidity		Less than 80 %		Power Factor(p.u) 90.2 %						
Ambient Temp.		40 deg. C (Max.)		1 ower rac	50% Load	0.600	<u> </u>			
_		Continuos (S1)	тах.)		75% Load	0.702				
Duty Type Service Factor		1.00		_	100% Load	0.760				
			l D 2 /D 5	Speed at F						
Mounting	Т		B3/B5		uii Load	11/0	r.p.m			
Bearing	Туре	Anti-Friction	·C2	Torque		0.2	1			
	DE/N-DE	6309ZZC3 / 6309ZZ	.C3		Full Load		kg⋅m			
	Lubricant	Grease(Polyrex-EM)			Locked-rotor**					
External Thrust		Not applicable			Breakdown**	250	%			
Coupling Method		Direct V-Belt			f Inertia (J)					
Shaft Exte		■ Single □ Double		. ⊢	Load(Max.)	20.250				
Terminal	Main	☐ Steel ☐ Cast Iro	on		Motor		kg⋅m²			
Box	Aux.	☐ Yes ■ No		Sound Pre	ssure Level (No			m from 1	motor)	
Location		Refer to Outline Drawing		66 dB(A)						
Application				Vibration		2.2	2.2 mm/sec (r.m.s)			
Area classification		Hazardous				Cold 3 times				
Type of Ex-Protection		Ex d IIB T4		consecutiv	e starts	Hot 2	times			
Applicable Standard		KS,IEC		Paint	Munsell No.	4.0PB5.4/5.3	5(VL-451)			
ACCESSORIES					SUBMITT		DRAWING			
				Outline Dimension Drawing \ Motor Weight				eight(Ap	prox.)	
					В3			<u>U \ 1</u>	kg	
					B5	227B2022A	A06	162	kg	
					V1				kg	
				B3/B5			0	kg		
				Main T-Bo		227B1470L	R		Nβ	
			IVIAIII I DO	X 1133 y	227BTT70E					
CDADE DADTS			REMARK High Efficiency							
SPARE PARTS			REMARK High Efficiency							
			D.	David	CHUD	CHILD		DDD		
			Date	DSND	CHKD	CHKD	A	PPD		
			2011 04 1	4 W.H.BACK	S. J. RA	O. J. KIM	, l , u	. KIM		
			2011-04-1	W.II.DACK	S. J. KA	O. J. KIIV	, J. H	. 121171		
					1	1	1			

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 maker standard, if not mentioned.

^{*} 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.

SPEED VS TORQUE & CURRENT CURVE





