

AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.		Item No.		Rev. No. [0]	
Project Name		Project No.		Quantity sets	
GENERAL SPECIFICATION			PERFORMANCE DATA		
Frame Size	280LL		Rated Output	200 kW 268 HP	
Type	HS-200/4		Number of Poles	4	
Enclosure(Protection)	Totally Enclosed (IP55)		Rotor Type	Squirrel Cage	
Method of Cooling	IC411(FC)		Starting Method*	<input type="checkbox"/> D.O.L <input type="checkbox"/> Y- Δ	
Rated Frequency	60 Hz		Rated Voltage	440 V	380 V 220 V
Number of Phases	3		Current	Full Load	312.1 A 361.4 A 624.3 A
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H			Locked-rotor**	630 % 630 % 630 %
Temp. Rise at full load (by resistance method)	at 1.0 S.F 80 deg. C		Efficiency	50% Load 94.5 % 75% Load 95.0 % 100% Load 95.0 %	
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		Power Factor(p.u)	50% Load 0.860 75% Load 0.880 100% Load 0.885	
Altitude	Less than 1000 meter		Speed at Full Load	1785 r.p.m	
Relative Humidity	Less than 80 %		Torque	Full Load 109.1 kg-m Locked-rotor** 170 % Breakdown** 220 %	
Ambient Temp.	40 deg. C (Max.)		Moment of Inertia (J)	Load(Max.) 139.850 kg-m² Motor 5.488 kg-m²	
Duty Type	Continuous (S1)		Sound Pressure Level (No-load & mean value at 1m from motor)	85 dB(A)	
Service Factor	1.15		Vibration	2.2 mm/sec (r.m.s)	
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5		Permissible number of consecutive starts	Cold 3 times Hot 2 times	
Bearing	Type	Anti-Friction	Paint	Munsell No.	4.0PB5.4/5.5(VL-451)
	DE/N-DE	6318C3 / 6316C3	SUBMITTAL DRAWING		
	Lubricant	Grease(Gadus S2 V 100 2)	Outline Dimension Drawing \ Motor Weight(Approx.)		
External Thrust	Not applicable		B3 TJ8XAP51 1100 kg		
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt		Main T-Box Ass'y 3M-016882		
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double				
Terminal	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron			
Box	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Location	Refer to Outline Drawing			
Application					
Area classification	Non-Hazardous				
Type of Ex-Protection	Not applicable				
Applicable Standard	KS,IEC,NEMA MG1 Part30(Vpeak)				
ACCESSORIES			REMARK		
			High Efficiency		
			*. For use on PWM VFD 10:1VT, 3:1CT@1.0S.F&F Temp. rise		
			Date	DSND	CHKD
			2010-05-28	R.G. KIM	O.J. KIM
				CHKD	APPD
				J.H. KIM	K.J. KANG

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.