

		DATA SHEET of AC INDUCTION MOTOR			268 HP - 4 P TE	
					DESIGN NO : KS C4202-1996	
Model No.or RFQ No.		Item No.		Rev. No. [0]		
Project Name		Project No.		Quantity :		
GENERAL SPECIFICATION			PERFORMANCE DATA			
Frame No.		280LL		Output 268 HP 200 KW		
Type		TNB		Poles 4 P		
Enclosure(Protection)		Totally Enclosed (IP IP54)		Rotor Type Squirrel Cage		
Cooling Method		IC411(FC)		Starting Method(*) ☒ D.O.L. ☐ Y-Δ		
Frequency		60 Hz		Rated Voltage 440 V 380 V 220 V		
Phase		3 •		Current		
Insulation Class		☒ F ☐ B ☐ H		Rated Load 313.6 A 363.1 A 627.2 A		
Temp. Rise at full load (by resistance method)				Start'g-D.O.L 2,038.4 A 2,360.3 A 4,076.9 A		
at 1.0 S.F		105 °C		Efficiency		
Location		☒ Indoor ☐ Outdoor		50% Load 92.6 %		
Altitude		Less than 1000 meter		75% Load 93.6 %		
Humidity		Less than 80 %		100% Load 93.5 %		
Ambient Temp.		40 °C (Max.)		Power Factor		
Duty		CONT.(S1)		50% Load 82.0 %		
Service Factor		1.00		75% Load 87.5 %		
Electric Design		NEMA Design B		100% Load 89.5 %		
Construction		☐ B3 ☐ B5 ☐ V1 ☐		Speed at Rated Load 1770 RPM / SLIP 1.67 %		
Bearing Type Anti-friction DE/ODE 6318C3 \ 6316C3 Lubricant GREASE(ALVANIA#2)		Torque (D.O.L)				
		Rated		110.1 Kg.m 100 %		
		Starting		176.1 Kg.m 160 %		
External Thrust		Not applicable		Break down 242.1 Kg.m 220 %		
Coupling Method		☒ Direct ☐ V-Belt		Allowable Load GD ² referred to motor shaft		
Shaft Extension		☒ Single ☐ Double		486.500 Kg.m ²		
Terminal Main ☐ Steel ☒ Cast Iron Aux. ☐ Yes ☒ No Box Location ☒ Left ☐ Right (Viewed from Drive End)		Motor GD ²		17.270 Kg.m ²		
		Noise Level (dB(A))		88 dB(A) at 1m from motor(No-load)		
		Vibration(Velocity)		3.8 mm/sec.(peak)		
Starting Duty		Cold 2 times \ Hot 1 time				
Paint		Munsell No.		4.0PB5.4/5.5(VL-451)		
Application			SUBMITTAL DRAWING			
Area Classification Not applicable			Outline Dimension Drawing \ Motor Weight(Approx.)			
Applicable Standard KS			☐ B3 TJ8XAP51 1130 Kg ☐ B5 TJ8XBP51 1160 Kg ☐ V1 TJ8XPP51 1160 Kg			
Inspection and Performance Test						
HHI Stand. Maker Test Report						
ACCESSORIES(OPTION ITEM)			Main T-Box Ass'y 3M-016882			
SPARE PARTS			REMARK			
Note: Others not mentioned in this specification shall be in accordance with HHI standard. Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.			Date	DSND	CHKD	
			2004.01.27	KIM R.G.	☒ KIM O.J.	
					APPD KANG K.G.	

HHI W230-131-1 * In case of Inverter or V.V.V.F Motor:Performance data is based on sine wave tests. A4(210mm X 297mm)



HYUNDAI

HEAVY INDUSTRIES CO., LTD

PERFORMANCE CURVE

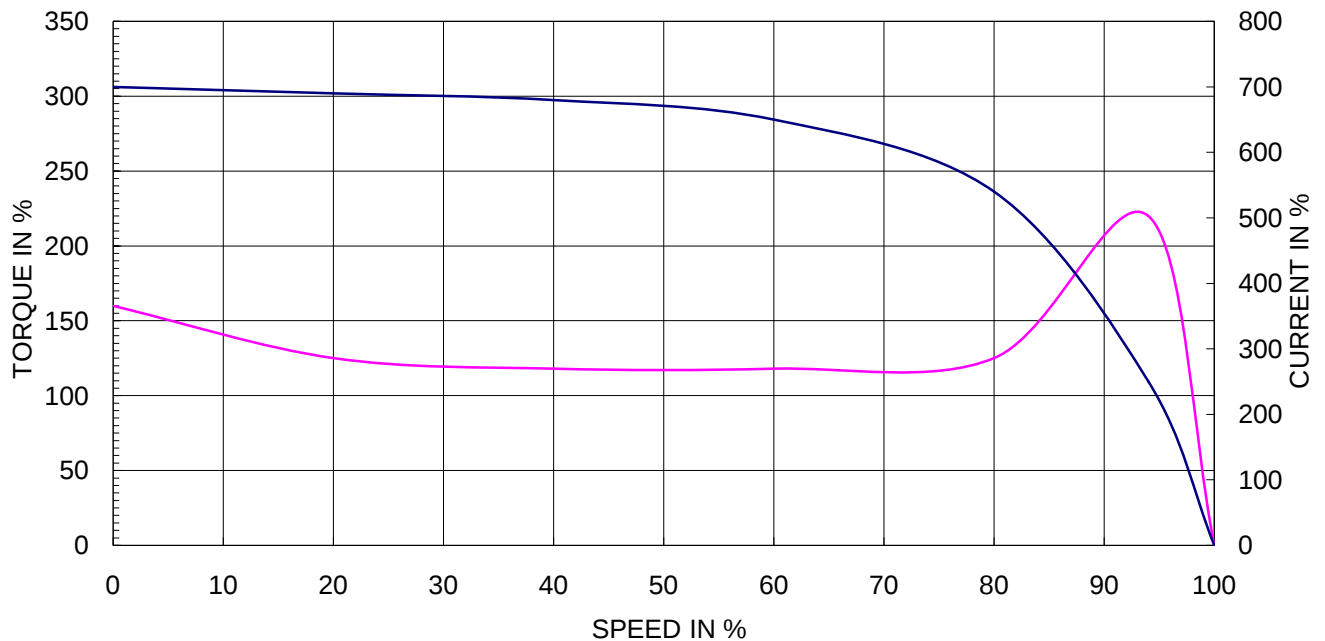
CURVE NO.

P-TNBJ8X04200

TYPE :		
RATED TORQUE :	110.1	Kg.m
GD2 OF MOTOR :	17.3	Kg.m ²
(ALLOWABLE) GD2 OF LOA	486.5	Kg.m ²

200 kW	4 P	60 Hz	
RATED SPEED :	1770 RPM		
VOLTAGE	440V	380 V	220V
RATED CURRENT	313.6A	363.1 A	627.2A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

