
		DATA SHEET of AC INDUCTION MOTOR			268 HP - 2 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	2 P			
Enclosure(Protection)	Totally Enclosed (IP IP54)		Rotor Type	Squirrel Cage			
Cooling Method	IC411(FC)		Starting Method(*)	<input checked="" type="checkbox"/> D.O.L. <input type="checkbox"/> Y-Δ			
Frequency	60 Hz		Rated Voltage	440 V	380 V 220 V		
Phase	3 •		Current	Rated Load	313.5 A 363.0 A 627.1 A		
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H			Start'g-D.O.L	2,038.0 A 2,359.8 A 4,076.0 A		
Temp. Rise at full load (by resistance method)	at 1.0 S.F 105 °C		Efficiency				
Location			<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		50% Load	92.2 %	
Altitude	Less than 1000 meter		75% Load	92.8 %			
Humidity	Less than 80 %		100% Load	93.0 %			
Ambient Temp.	40 °C (Max.)		Power Factor				
Duty	CONT.(S1)		50% Load	85.0 %			
Service Factor	1.00		75% Load	89.5 %			
Electric Design	NEMA Design B		100% Load	90.0 %			
Construction	<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/>		Speed at Rated Load	3565 RPM / SLIP 0.97 %			
Bearing	Type	Anti-friction		Torque (D.O.L)			
	DE/ODE	6314C3 \ 6314C3		Rated	54.6 Kg.m 100 %		
	Lubricant	GREASE(ALVANIA#2)		Starting	65.6 Kg.m 120 %		
External Thrust	Not applicable		Break down	120.2 Kg.m 220 %			
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt		Allowable Load GD ² referred to motor shaft				
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		68.000 Kg.m ²				
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Motor GD ²			
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		9.940 Kg.m ²			
	Location	<input checked="" type="checkbox"/> Left <input type="checkbox"/> Right		Noise Level (dB(A))	98 dB(A) at 1m from motor(No-load)		
(Viewed from Drive End)			Vibration(Velocity)	3.8 mm/sec.(peak)			
Application			Starting Duty	Cold 2 times \ Hot 1 time			
Area Classification	Not applicable		Paint	Munsell No.	4.0PB5.4/5.5(VL-451)		
Applicable Standard	KS		SUBMITTAL DRAWING				
Inspection and Performance Test	HHI Stand. Maker Test Report		Outline Dimension Drawing \ Motor Weight(Approx.)				
ACCESSORIES(OPTION ITEM)			<input type="checkbox"/> B3	TJ8XAC50	1100 Kg		
			<input type="checkbox"/> B5	TJ8XBC50	1130 Kg		
			<input type="checkbox"/> V1	TJ8XPC50	1130 Kg		
			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	CHKD	APPD
			2004.01.27	KIM R.G.		KIM O.J.	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

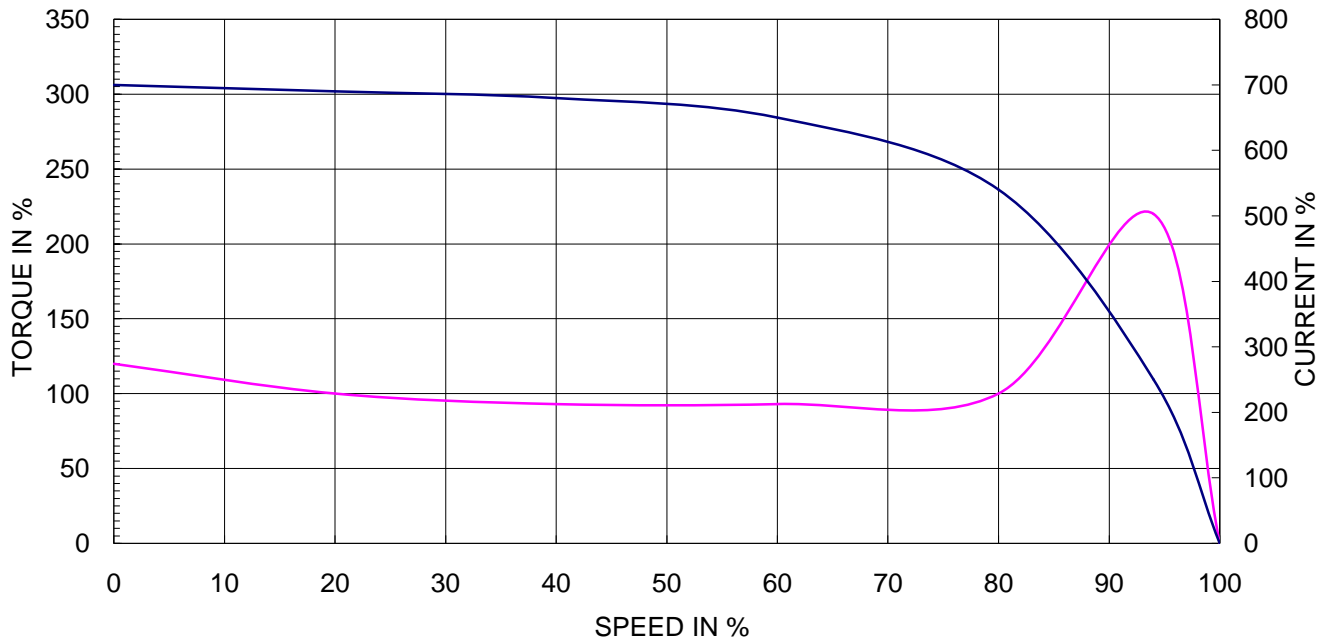
CURVE NO.

P-TNBJ8X02200

TYPE :		
RATED TORQUE :	54.6	Kg.m
GD2 OF MOTOR :	9.9	Kg.m ²
(ALLOWABLE) GD2 OF LOAI	68.0	Kg.m ²

200 kW	2 P	60 Hz	
RATED SPEED :		3565 RPM	
VOLTAGE	440V	380 V	220V
RATED CURRENT	313.5A	363.0 A	627.1A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

