
		DATA SHEET of AC INDUCTION MOTOR			175 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.	280M		Output	175 HP 132 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 φ		Current	Rated Load	205.8 A	238.3 A	411.5 A
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H			Start'g-D.O.L	1,337.5 A	1,548.7 A	2,675.0 A
Temp. Rise at full load (by resistance method)			Efficiency				
at 1.0 S.F			105 °C				
Location	<input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		50% Load		91.5 %		
Altitude	Less than 1000 meter		75% Load		92.3 %		
Humidity	Less than 80 %		100% Load		92.5 %		
Ambient Temp.	40 °C (Max.)		Power Factor				
Duty	CONT.(S1)		50% Load		86.0 %		
Service Factor	1.00		75% Load		90.5 %		
Electric Design	NEMA Design B		100% Load		91.0 %		
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	36.1 Kg.m 100 %		
	Lubricant	GREASE(ALVANIA#2)		Starting	46.9 Kg.m 130 %		
External Thrust	Not applicable		Break down	82.9 Kg.m 230 %			
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				50.000 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		6.060 Kg.m ²			
	Location	<input checked="" type="checkbox"/> Left <input type="checkbox"/> Right (Viewed from Drive End)		Noise Level (dB(A))			
					98 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		<input type="checkbox"/> B3 TJ8MAC50 760 Kg				
Inspection and Performance Test			<input type="checkbox"/> B5 TJ80BC50 800 Kg				
HHI Stand. Maker Test Report			<input type="checkbox"/> V1 TJ80PC50 800 Kg				
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	CHKD	APPD
			2004.01.27	KIM R.G.		KIM O.J.	KANG K.G.



PERFORMANCE CURVE

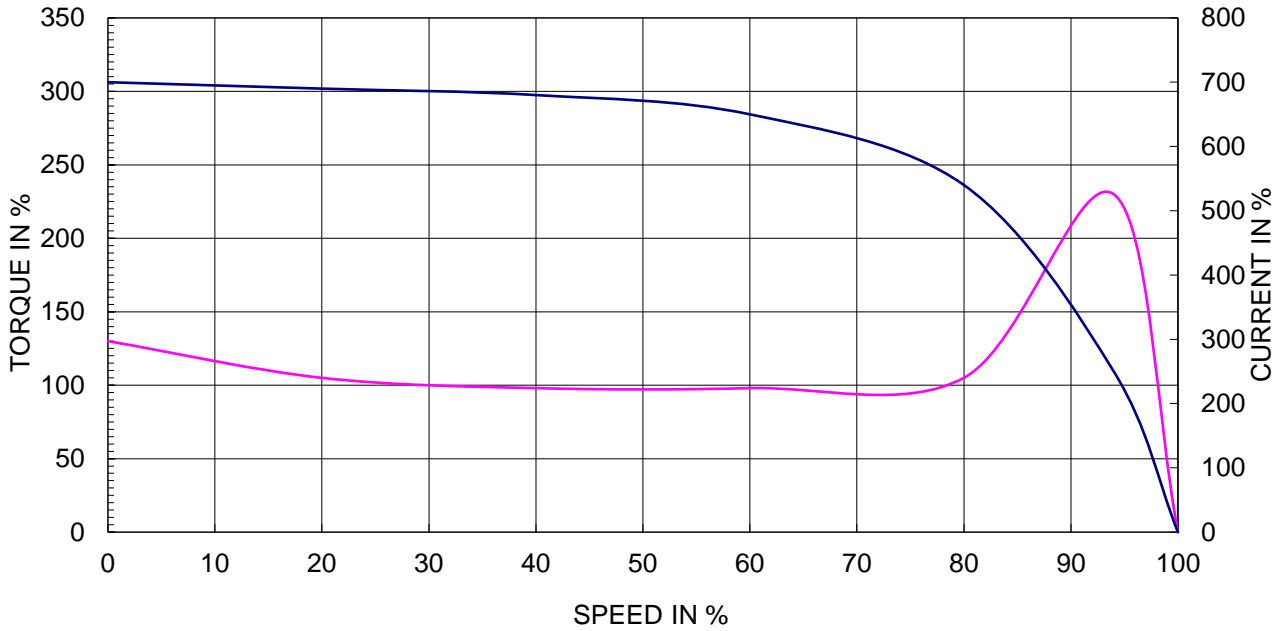
CURVE NO.

P-TNBJ8M02132

TYPE :		
RATED TORQUE :	36.1	Kg.m
GD2 OF MOTOR :	6.1	Kg.m ²
(ALLOWABLE) GD2 OF LOA	50.0	Kg.m ²

132 kW	2 P	60 Hz	
RATED SPEED :		3565 RPM	
VOLTAGE	440V	380 V	220V
RATED CURRENT	205.8A	238.3 A	411.5A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

