

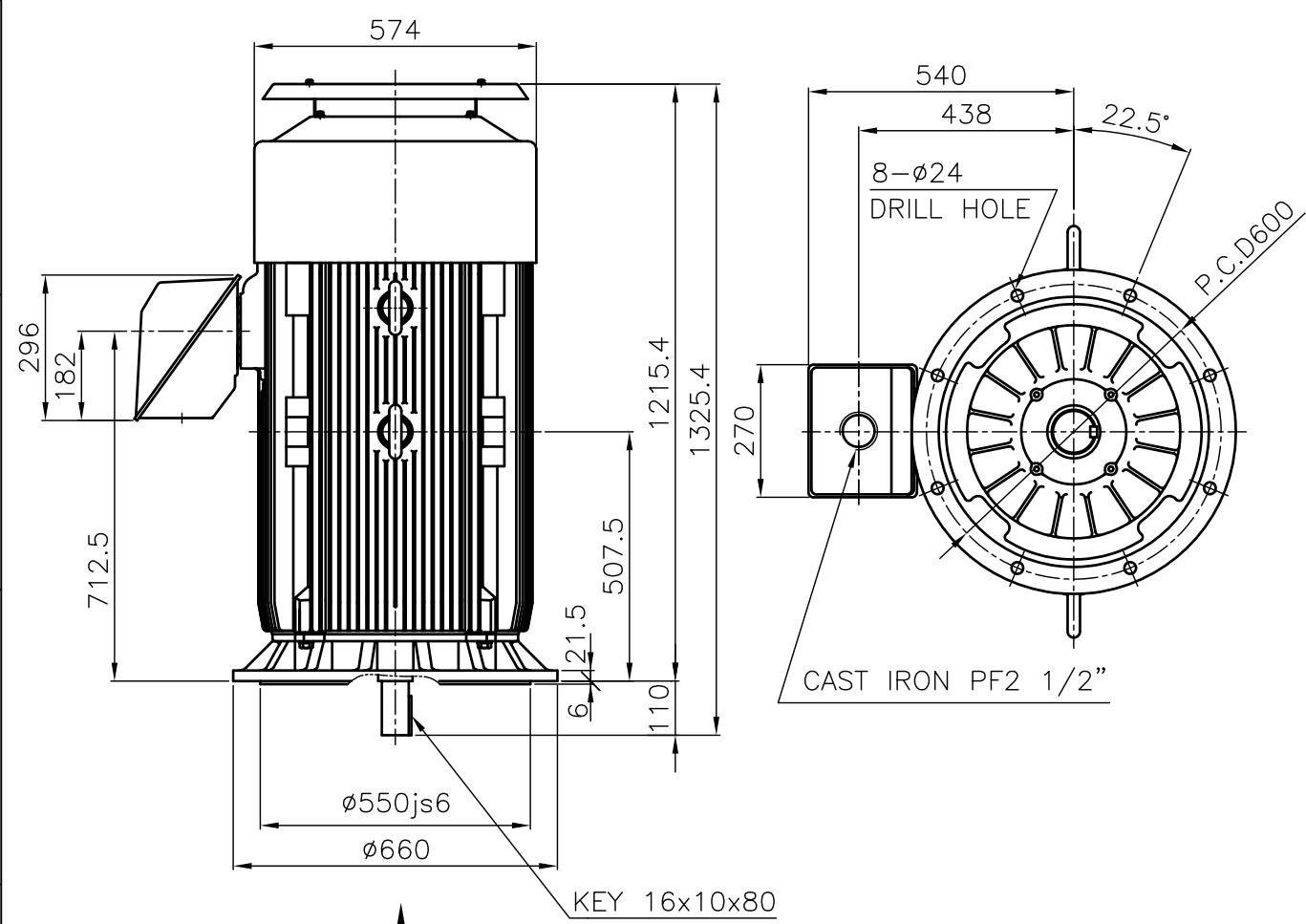
		DATA SHEET of AC INDUCTION MOTOR			268 HP - 2 P TE		
					DESIGN NO : KS C4202-1996		
Model No.or RFQ No.		Item No.		Rev. No.	[0]		
Project Name		Project No.		Quantity :			
GENERAL SPECIFICATION			PERFORMANCE DATA				
Frame No.	280LL		Output	268 HP 200 KW			
Type	TNB		Poles	2 P			
Enclosure(Protection)	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 φ		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)			Efficiency				
at 1.0 S.F 105 °C			50% Load 92.2 %				
Location <input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor			75% Load 92.8 %				
Altitude Less than 1000 meter			100% Load 93.0 %				
Humidity Less than 80 %			Power Factor				
Ambient Temp. 40 °C (Max.)			50% Load 85.0 %				
Duty CONT.(S1)			75% Load 89.5 %				
Service Factor 1.00			100% Load 90.0 %				
Electric Design NEMA Design B			Speed at Rated Load 3565 RPM / SLIP 0.97 %				
Construction <input type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/>			Torque (D.O.L)				
Bearing	Type	Anti-friction		Rated	54.6 Kg.m	100 %	
	DE/ODE	6314C3 \ 6314C3		Starting	65.6 Kg.m	120 %	
	Lubricant	GREASE(ALVANIA#2)		Break down	120.2 Kg.m	220 %	
External Thrust Not applicable			Allowable Load GD ² referred to motor shaft				
Coupling Method <input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt			68.000 Kg.m ²				
Shaft Extension <input checked="" type="checkbox"/> Single <input type="checkbox"/> Double			Motor GD ² 9.940 Kg.m ²				
Terminal	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron	Noise Level (dB(A)) 98 dB(A) at 1m from motor(No-load)				
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Vibration(Velocity) 3.8 mm/sec.(peak)				
Box	(Viewed from Drive End)		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	TJ8XAC50	1100 Kg		
Inspection and Performance Test			<input type="checkbox"/> B5	TJ8XBC50	1130 Kg		
HHI Stand. Maker Test Report			<input type="checkbox"/> V1	TJ8XPC50	1130 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.

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)

	<h1 style="margin:0;">TEFC</h1> <h2 style="margin:0;">THREE PHASE INDUCTION MOTOR</h2>	<h3 style="margin:0;">TYPE</h3>	(1) TNB , TDB CAST IRON FRAME
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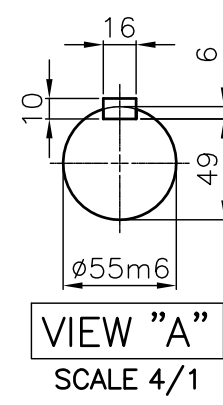



NOTE

1.TOLERANCE :

RABBET DIAMETER	ø550js6	±0.022
SHAFT DIAMETER	ø55m6	+0.030 +0.011
KEYWAY WIDTH	16P9	-0.018 -0.061
KEYWAY DEPTH	6	+0.2 0

2.The type (1)-"TNB, TDB" is for HHI's standard products and it can be changed for customer's requirements or detail designing.



				TEFC STANDARD		
APPD BY	KANG K.J.	UNIT	MM	SUBJECT	KS Fr.280LL TEFC	
CHKD BY	KIM O.J.	SCALE	1/15			CAD PROJ \ FILE
CHKD BY	LEE N.D.	PROJEC'N	3rd Angle	TITLE	OUTLINE THREE-PHASE INDUCTION MOTOR	
DSND BY	KIM RYANG GYU	DATE	2007.03.23			MMSTDMTR/TJ8XPC50
				REF. NO	L3-SERIES	Sheet No. of
				DWG NO	TJ8XPC50	Revision No.



PERFORMANCE CURVE

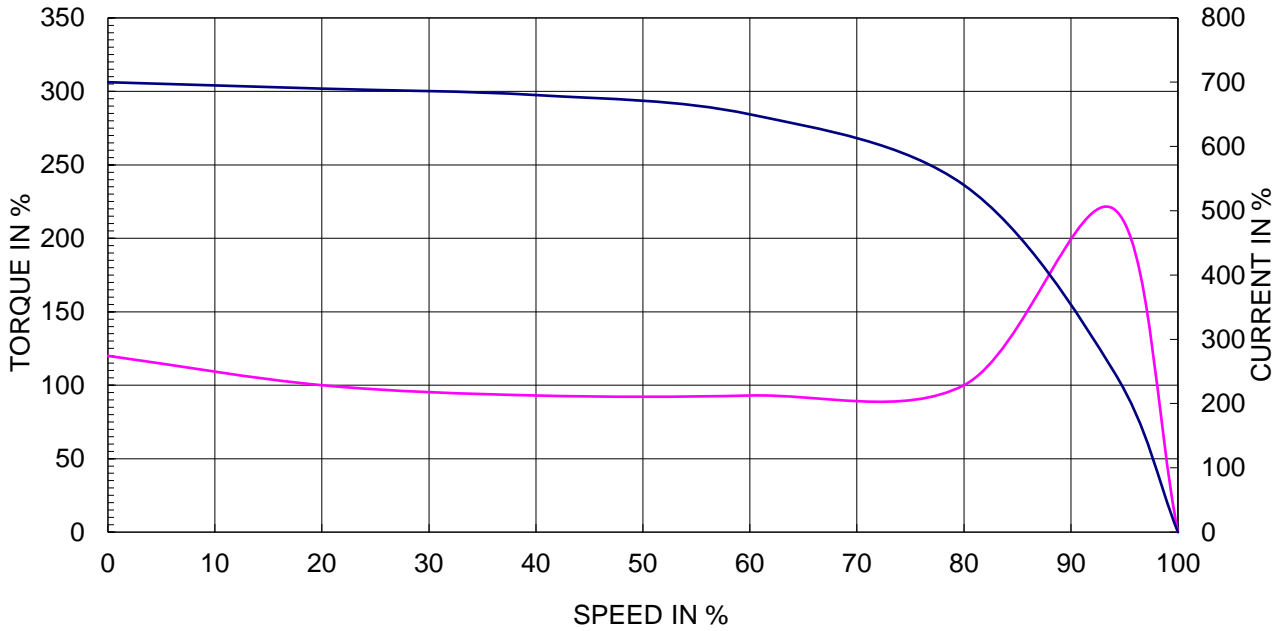
CURVE NO.

P-TNBJ8X02200

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

