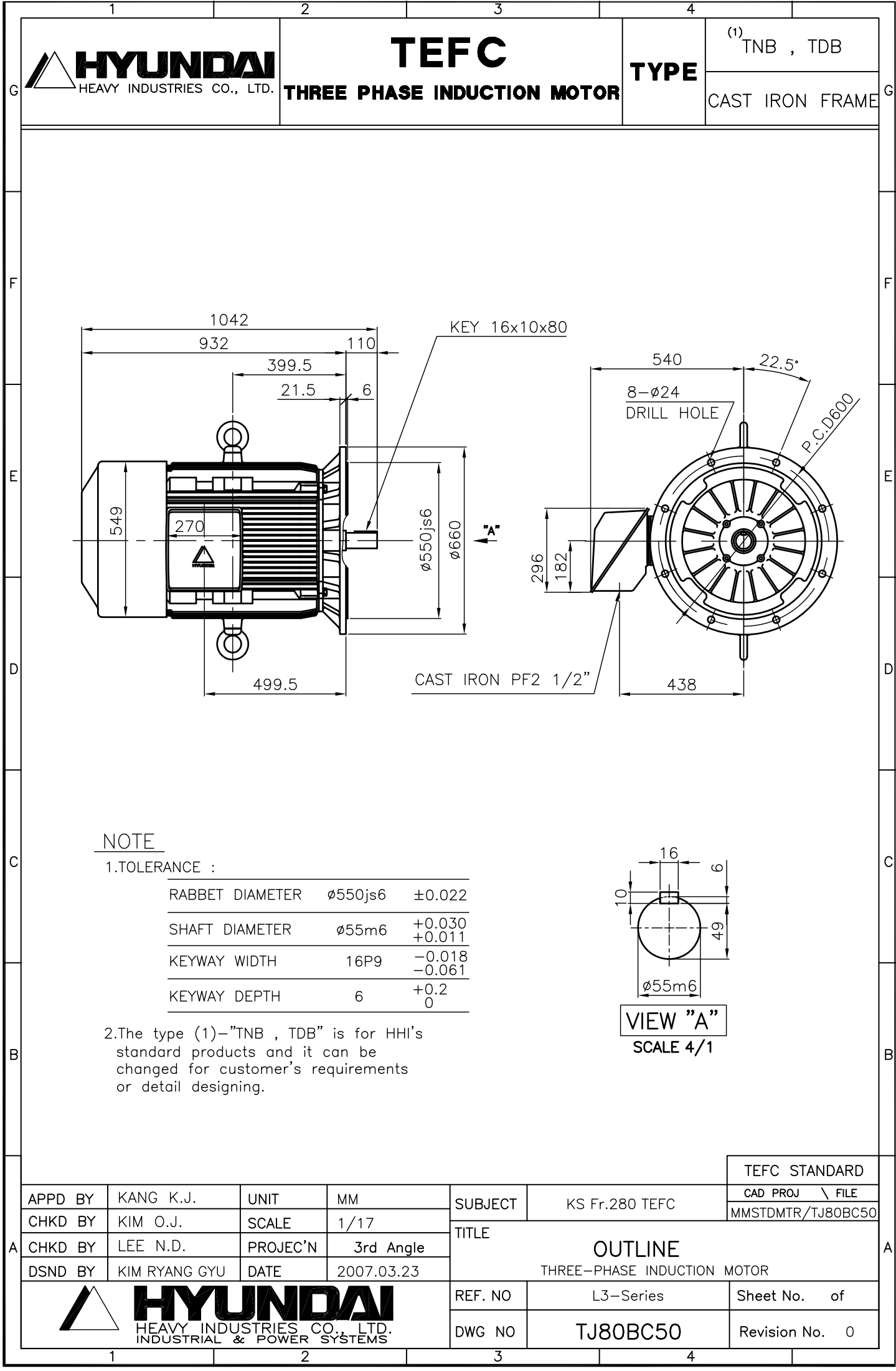


		DATA SHEET of AC INDUCTION MOTOR				175 HP - 2 P TE							
						DESIGN NO : KS C4202-1996							
Model No.or RFQ No.		Item No.		Rev. No.		[0]							
Project Name		Project No.		Quantity :									
GENERAL SPECIFICATION				PERFORMANCE DATA									
Frame No.		280M		Output		175 HP 132 KW							
Type		TNB		Poles		2 P							
Enclosure(Protection)		Totally Enclosed (IP IP54)		Rotor Type		Squirrel Cage							
Cooling Method		IC411(FC)		Starting Method(*)		☒ D.O.L. ☐ Y-Δ							
Frequency		60 Hz		Rated Voltage		440 V 380 V 220 V							
Phase		3 Φ		Current		Rated Load							
Insulation Class		☒ F ☐ B ☐ H				205.8 A 238.3 A 411.5 A							
Temp. Rise at full load (by resistance method)						Start'g-D.O.L							
at 1.0 S.F		105 °C		Efficiency									
Location		☐ Indoor ☐ 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		☐ B3 ☐ B5 ☐ V1 ☐		Speed at Rated Load		3565 RPM / SLIP 0.97 %							
Bearing <table border="1"> <tr><td>Type</td><td>Anti-friction</td></tr> <tr><td>DE/ODE</td><td>6314C3 \ 6314C3</td></tr> <tr><td>Lubricant</td><td>GREASE(ALVANIA#2)</td></tr> </table>		Type	Anti-friction	DE/ODE	6314C3 \ 6314C3	Lubricant	GREASE(ALVANIA#2)	Torque (D.O.L)					
		Type	Anti-friction										
		DE/ODE	6314C3 \ 6314C3										
Lubricant	GREASE(ALVANIA#2)												
Rated		36.1 Kg.m		100 %									
		Starting		46.9 Kg.m		130 %							
		Break down		82.9 Kg.m		230 %							
External Thrust		Not applicable		Allowable Load GD ² referred to motor shaft									
Coupling Method		☒ Direct ☐ V-Belt				50.000 Kg.m ²							
Shaft Extension		☒ Single ☐ Double		Motor GD ²		6.060 Kg.m ²							
Terminal Box <table border="1"> <tr><td>Main</td><td> ☐ Steel ☒ Cast Iron </td></tr> <tr><td>Aux.</td><td> ☐ Yes ☒ No </td></tr> <tr><td>Location</td><td> ☒ Left ☐ Right </td></tr> </table> (Viewed from Drive End)		Main	☐ Steel ☒ Cast Iron	Aux.	☐ Yes ☒ No	Location	☒ Left ☐ Right	Noise Level (dB(A))		98 dB(A) at 1m from motor(No-load)			
		Main	☐ Steel ☒ Cast Iron										
		Aux.	☐ Yes ☒ No										
Location	☒ Left ☐ Right												
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		TJ8MAC50 760 Kg							
Inspection and Performance Test				☐ B5		TJ80BC50 800 Kg							
HHI Stand.		Maker Test Report		☐ 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.					





HYUNDAI

HEAVY INDUSTRIES CO., LTD

PERFORMANCE CURVE

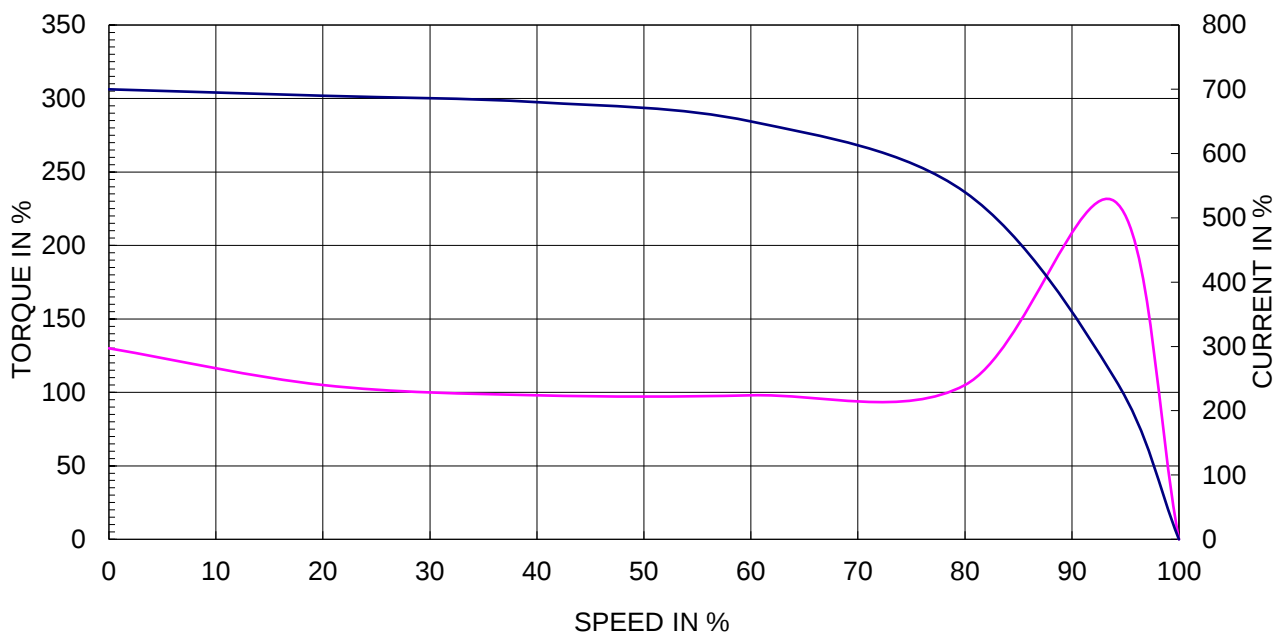
CURVE NO.

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
RATED CURRENT	205.8A	238.3 A
		411.5A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

