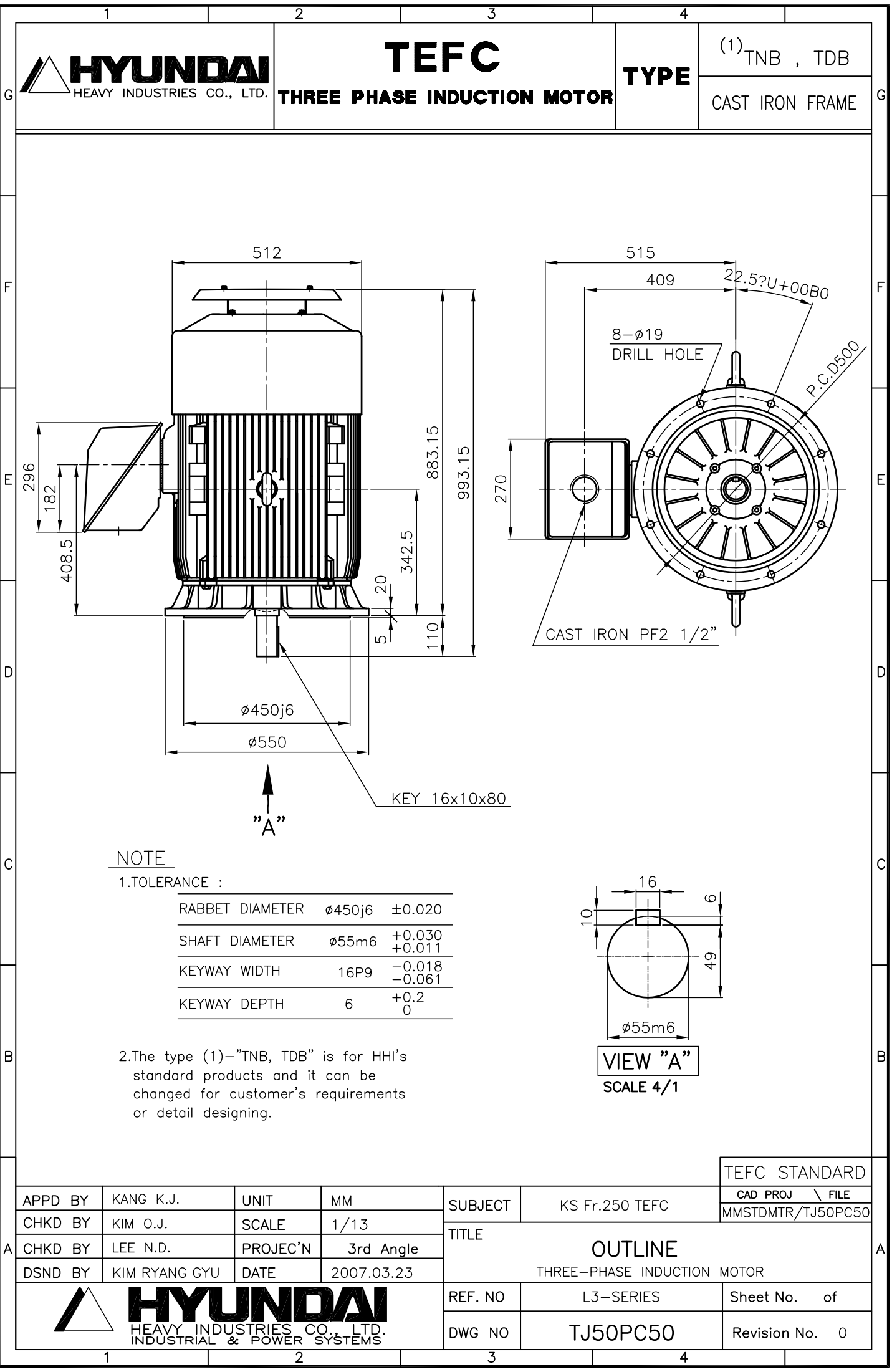


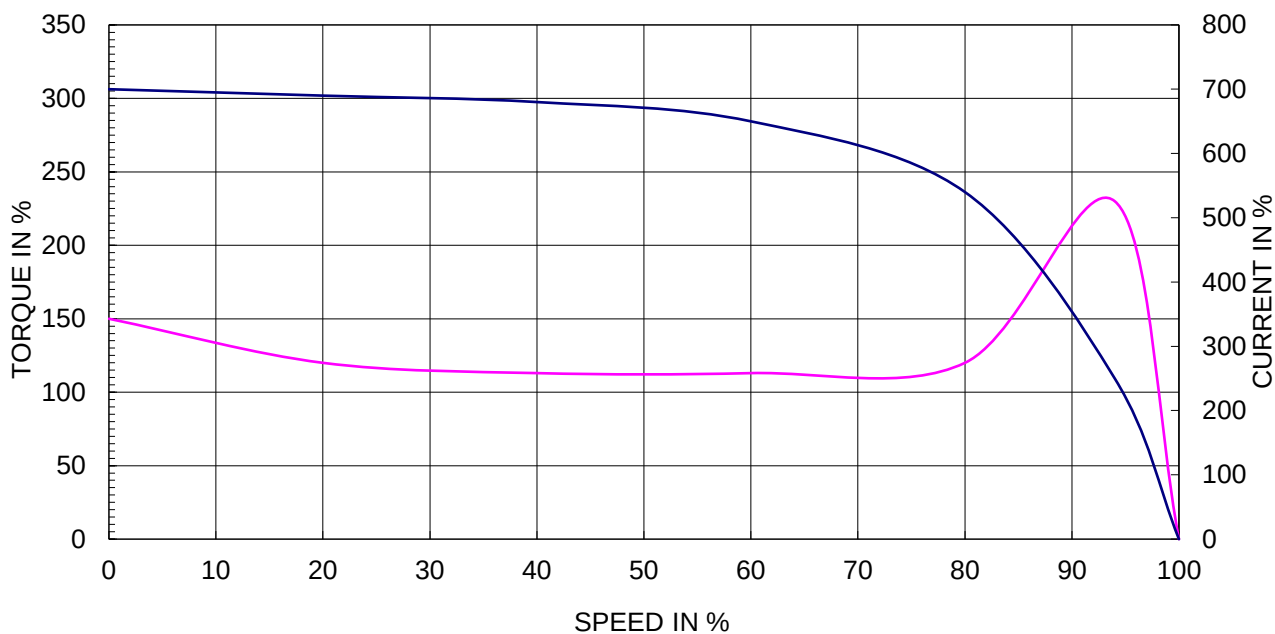
		DATA SHEET of AC INDUCTION MOTOR			120 HP - 2 P TE	
					DESIGN NO : KS C4202-1996	
Model No.or RFQ No.		Item No.		Rev. No. [0]		
Project Name		Project No.		Quantity :		
GENERAL SPECIFICATION			PERFORMANCE DATA			
Frame No.		250M		Output 120 HP 90 KW		
Type		TNB		Poles 2 P		
Enclosure(Protection)		Totally 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		
Insulation Class		☒ F ☐ B ☐ H		Rated Load 141.1 A 163.3 A 282.1 A		
Temp. Rise at full load (by resistance method)		at 1.0 S.F 105 °C		Start'g-D.O.L. 888.7 A 1,029.0 A 1,777.3 A		
Location		☐ Indoor ☐ Outdoor		Efficiency		
Altitude		Less than 1000 meter		50% Load 91.2 %		
Humidity		Less than 80 %		75% Load 91.8 %		
Ambient Temp.		40 °C (Max.)		100% Load 92.0 %		
Duty		CONT.(S1)		Power Factor		
Service Factor		1.00		50% Load 86.0 %		
Electric Design		NEMA Design B		75% Load 90.5 %		
Construction		☐ B3 ☐ B5 ☐ V1 ☐		100% Load 91.0 %		
Bearing		Type Anti-friction		Speed at Rated Load 3565 RPM / SLIP 0.97 %		
		DE/ODE 6313C3 \ 6313C3		Torque (D.O.L)		
		Lubricant GREASE(ALVANIA#2)		Rated 24.6 Kg.m 100 %		
External Thrust		Not applicable		Starting 36.9 Kg.m 150 %		
Coupling Method		☒ Direct ☐ V-Belt		Break down 56.6 Kg.m 230 %		
Shaft Extension		☒ Single ☐ Double		Allowable Load GD ² referred to motor shaft		
Terminal		Main ☐ Steel ☒ Cast Iron		35.000 Kg.m ²		
Box		Aux. ☐ Yes ☒ No		Motor GD ² 2.980 Kg.m ²		
		Location ☒ Left ☐ Right		Noise Level (dB(A)) 93 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)				☐ B3 TJ5MAP50 515 Kg ☐ B5 TJ50BC50 545 Kg ☐ V1 TJ50PC50 545 Kg		
SPARE PARTS				Main T-Box Ass'y 3M-016882		
REMARK						
Note: Others not mentioned in this specification shall be in accordance with HHI standard.		Date	DSND	CHKD	CHKD	
Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.		2004.01.27	KIM R.G.		KIM O.J. KANG K.G.	



TYPE :		
RATED TORQUE :	24.6	Kg.m
GD2 OF MOTOR :	3.0	Kg.m ²
(ALLOWABLE) GD2 OF LOA	35.0	Kg.m ²

90 kW	2 P	60 Hz
RATED SPEED :	3565 RPM	
VOLTAGE	440V	380 V
RATED CURRENT	141.1A	163.3 A
		282.1A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

