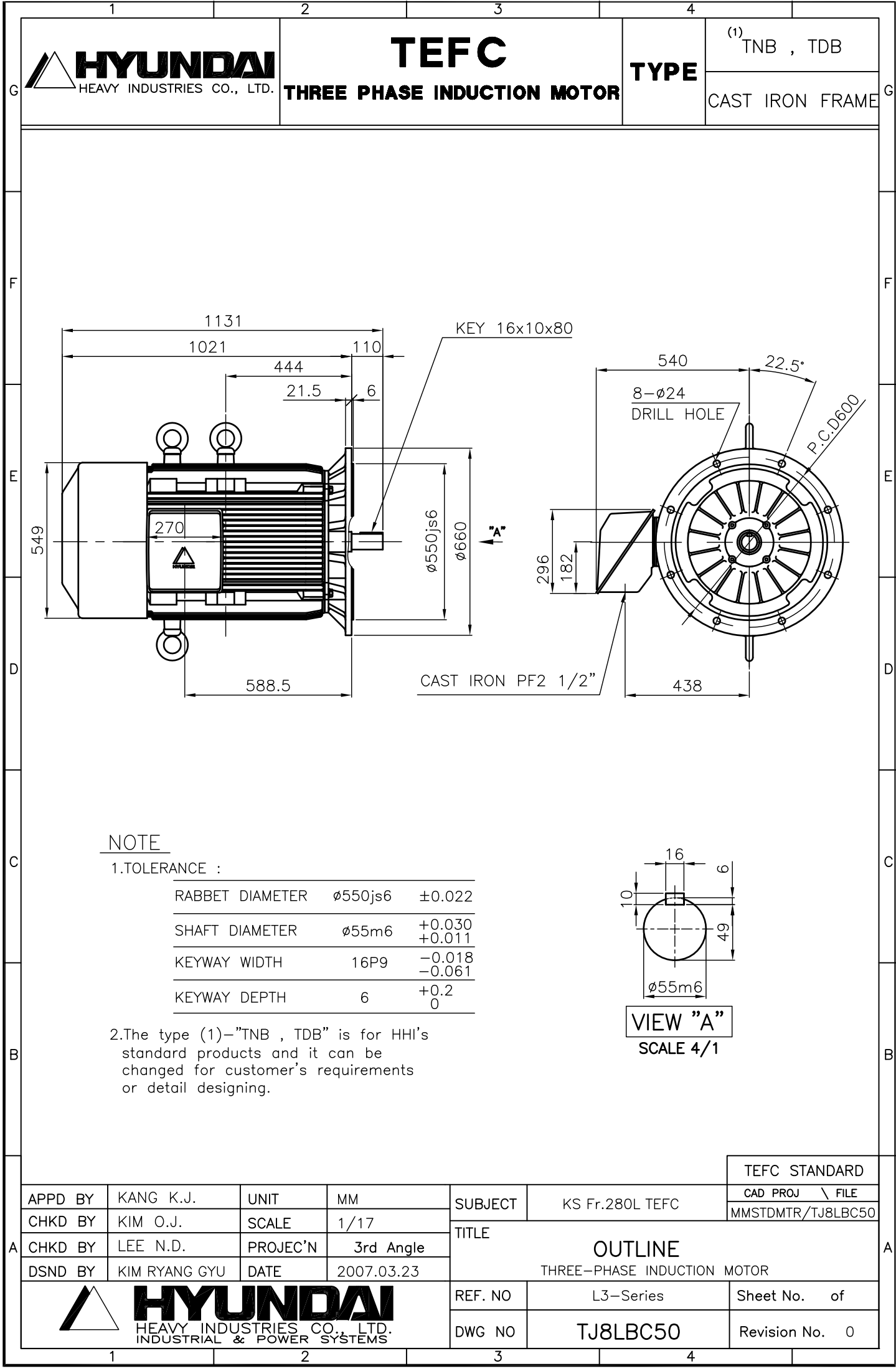


		DATA SHEET of AC INDUCTION MOTOR				214 HP - 2 P TE		
						DESIGN NO : KS C4202-1996		
Model No.or RFQ No.		Item No.		Rev. No.		[0]		
Project Name		Project No.		Quantity :				
GENERAL SPECIFICATION				PERFORMANCE DATA				
Frame No.		280L		Output		214 HP 160 KW		
Type		TNB		Poles		2 P		
Enclosure(Protection)		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				Start'g-D.O.L.		
Temp. Rise at full load (by resistance method)		at 1.0 S.F 105 °C		Efficiency				
Location		☐ Indoor ☐ Outdoor		50% Load		91.7 %		
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		87.0 %		
Service Factor		1.00		75% Load		91.0 %		
Electric Design		NEMA Design B		100% Load		91.5 %		
Construction		☐ B3 ☐ B5 ☐ V1 ☐		Speed at Rated Load		3565 RPM / SLIP 0.97 %		
Bearing Type Anti-friction DE/ODE 6314C3 \ 6314C3 Lubricant GREASE(ALVANIA#2)		Torque (D.O.L)		Rated		43.7 Kg.m 100 %		
		Starting		52.5 Kg.m 120 %				
		Break down		91.8 Kg.m 210 %				
External Thrust		Not applicable		Allowable Load GD ² referred to motor shaft		50.000 Kg.m ²		
Coupling Method		☒ Direct ☐ V-Belt		Motor GD ²		7.180 Kg.m ²		
Shaft Extension		☒ Single ☐ Double		Noise Level (dB(A))		98 dB(A) at 1m from motor(No-load)		
Terminal Box Main ☐ Steel ☒ Cast Iron Aux. ☐ Yes ☒ No Location ☒ Left ☐ Right (Viewed from Drive End)		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		TJ8LAC50 850 Kg		
Inspection and Performance Test HHI Stand. Maker Test Report		☐ B5		TJ8LBC50 890 Kg				
		☐ V1		TJ8LPC50 890 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.



				TEFC STANDARD	
APPD BY	KANG K.J.	UNIT	MM	SUBJECT	KS Fr.280L TEFC
CHKD BY	KIM O.J.	SCALE	1/17	CAD PROJ \ FILE	
CHKD BY	LEE N.D.	PROJEC'N	3rd Angle	MMSTDMTR/TJ8LBC50	
DSND BY	KIM RYANG GYU	DATE	2007.03.23	TITLE	
				OUTLINE	
				THREE-PHASE INDUCTION MOTOR	
				REF. NO	L3-Series
				DWG NO	TJ8LBC50
				Sheet No.	of
				Revision No.	0



HYUNDAI

HEAVY INDUSTRIES CO., LTD

PERFORMANCE CURVE

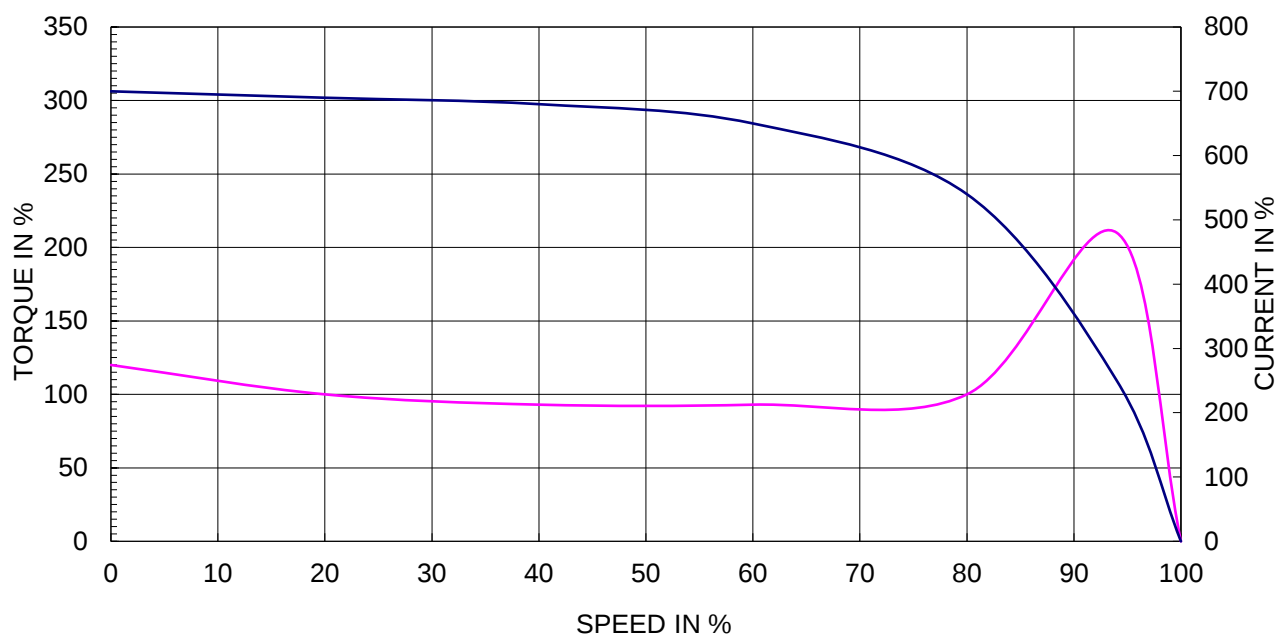
CURVE NO.

P-TNBJ8L02160

TYPE :		
RATED TORQUE :	43.7	Kg.m
GD2 OF MOTOR :	7.2	Kg.m ²
(ALLOWABLE) GD2 OF LOA	50.0	Kg.m ²

160 kW	2 P	60 Hz
RATED SPEED :	3565 RPM	
VOLTAGE	440V	380 V
RATED CURRENT	248.1A	287.2 A
		496.1A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

