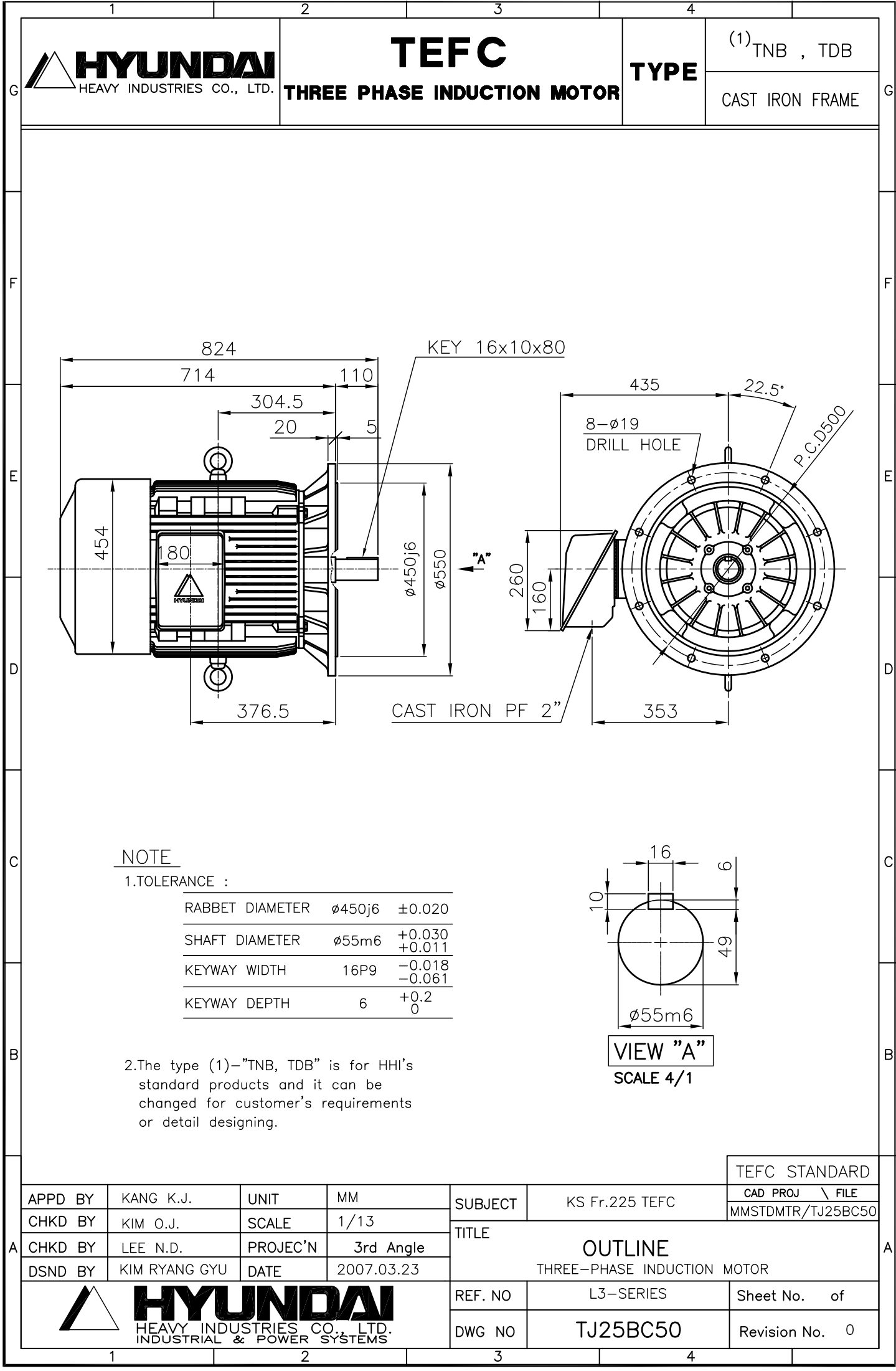


		DATA SHEET of AC INDUCTION MOTOR			75 HP - 2 P TE			
					DESIGN NO : KS C4202-1996			
Model No.or RFQ No.		Item No.		Rev. No. [0]				
Project Name		Project No.		Quantity :				
GENERAL SPECIFICATION				PERFORMANCE DATA				
Frame No.		225S		Output		75 HP 55 KW		
Type		TNB		Poles		2 P		
Enclosure(Protection)		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 86.0 A 99.6 A 172.0 A		
Insulation Class		☒ F ☐ B ☐ H		Start'g-D.O.L		541.9 A 627.4 A 1,083.8 A		
Temp. Rise at full load (by resistance method)				Efficiency				
at 1.0 S.F 105 °C				50% Load 91.0 %				
Location ☐ Indoor ☐ Outdoor				75% Load 91.5 %				
Altitude Less than 1000 meter				100% Load 91.7 %				
Humidity Less than 80 %				Power Factor				
Ambient Temp. 40 °C (Max.)				50% Load 86.5 %				
Duty CONT.(S1)				75% Load 91.0 %				
Service Factor 1.00				100% Load 91.5 %				
Electric Design NEMA Design B				Speed at Rated Load 3570 RPM / SLIP 0.83 %				
Construction ☐ B3 ☐ B5 ☐ V1 ☐				Torque (D.O.L)				
Bearing		Type Anti-friction		Rated 15.0 Kg.m 100 %				
		DE/ODE 6213C3 \ 6213C3		Starting 22.5 Kg.m 150 %				
		Lubricant GREASE(ALVANIA#2)		Break down 34.5 Kg.m 230 %				
External Thrust Not applicable				Allowable Load GD ² referred to motor shaft				
Coupling Method ☒ Direct ☐ V-Belt				20.000 Kg.m ²				
Shaft Extension ☒ Single ☐ Double				Motor GD ² 1.630 Kg.m ²				
Terminal Box		Main ☐ Steel ☒ Cast Iron		Noise Level (dB(A)) 87 dB(A) at 1m from motor(No-load)				
		Aux. ☐ Yes ☒ No		Vibration(Velocity) 3.8 mm/sec.(peak)				
		Location ☒ Left ☐ Right		Starting Duty Cold 2 times \ Hot 1 time				
(Viewed from Drive End)				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 TJ2SAC50 350 Kg				
Inspection and Performance Test				☐ B5 TJ25BC50 380 Kg				
HHI Stand. Maker Test Report				☐ V1 TJ25PC50 380 Kg				
ACCESSORIES(OPTION ITEM)				Main T-Box Ass'y 3M-016881				
				REMARK				
SPARE PARTS								
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

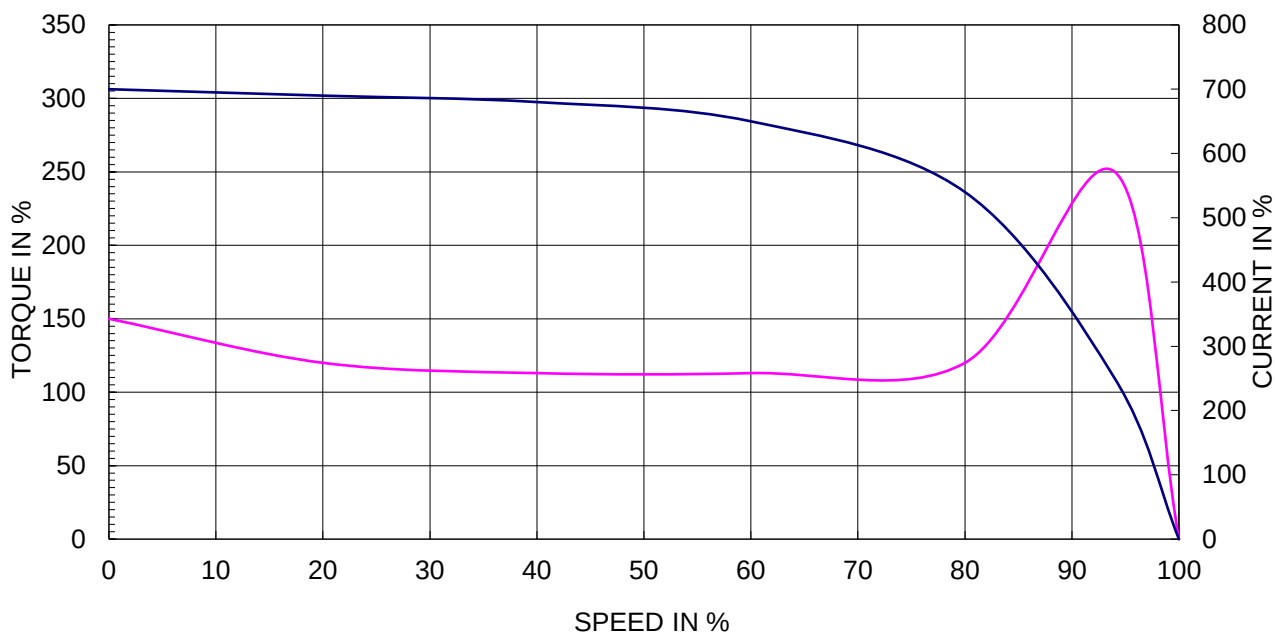
CURVE NO.

P-TNBJ2S02055

TYPE :		
RATED TORQUE :	15.0	Kg.m
GD2 OF MOTOR :	1.6	Kg.m ²
(ALLOWABLE) GD2 OF LOA	20.0	Kg.m ²

55 kW	2 P	60 Hz	
RATED SPEED :	3570 RPM		
VOLTAGE	440V	380 V	220V
RATED CURRENT	86.0A	99.6 A	172.0A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

