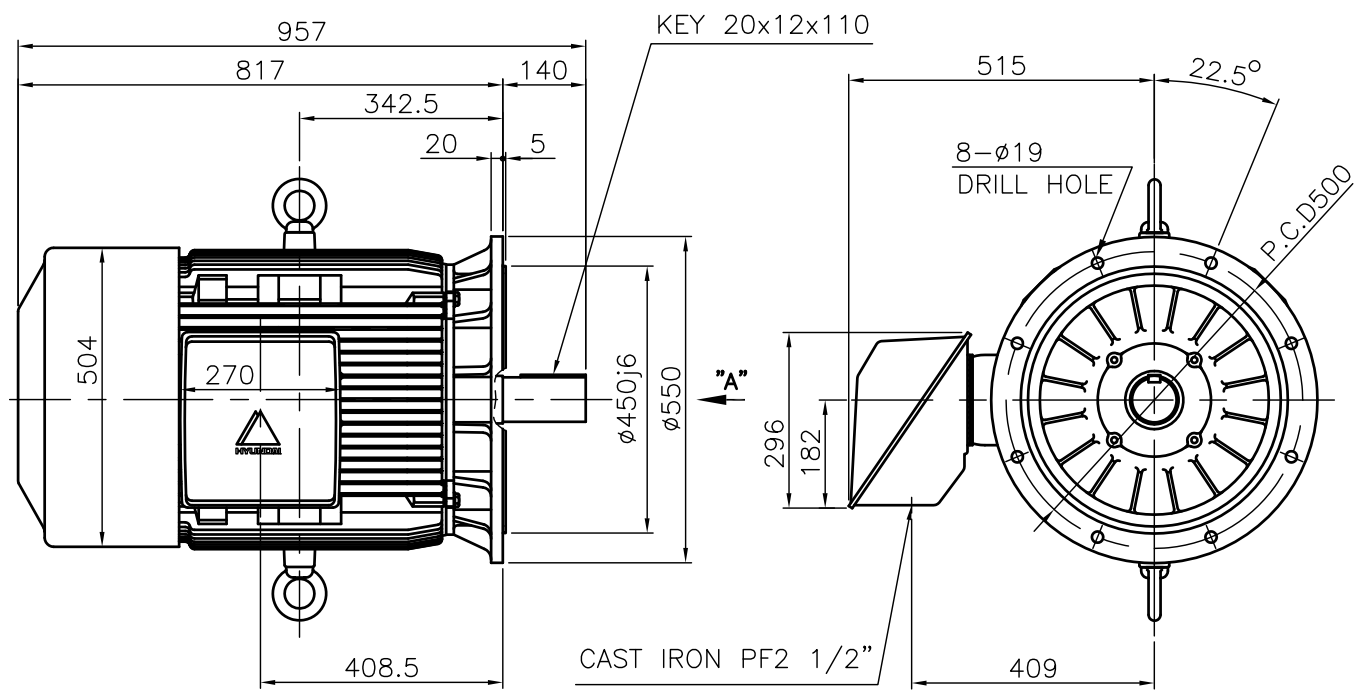


		DATA SHEET of AC INDUCTION MOTOR				75 HP - 6 P TE		
						DESIGN NO : KS C4202-1996		
Model No.or RFQ No.		Item No.		Rev. No.		[0]		
Project Name		Project No.		Quantity :				
GENERAL SPECIFICATION				PERFORMANCE DATA				
Frame No.		250S		Output		75 HP 55 KW		
Type		TNB		Poles		6 P		
Enclosure(Protection)		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				94.8 A 109.8 A 189.6 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		91.0 %		
Altitude		Less than 1000 meter		75% Load		91.8 %		
Humidity		Less than 80 %		100% Load		91.7 %		
Ambient Temp.		40 °C (Max.)		Power Factor				
Duty		CONT.(S1)		50% Load		75.5 %		
Service Factor		1.00		75% Load		82.5 %		
Electric Design		NEMA Design B		100% Load		83.0 %		
Construction		☐ B3 ☐ B5 ☐ V1 ☐		Speed at Rated Load				
Bearing		Type		Anti-friction		1180 RPM / SLIP 1.67 %		
		DE/ODE		6316C3 \ 6313C3		Torque (D.O.L)		
		Lubricant		GREASE(ALVANIA#2)		Rated		
External Thrust		Not applicable		Starting		45.4 Kg.m 100 %		
Coupling Method		☒ Direct ☐ V-Belt		Break down		72.6 Kg.m 160 %		
Shaft Extension		☒ Single ☐ Double		90.8 Kg.m 200 %				
Terminal Box		Main		☐ Steel ☒ Cast Iron		Allowable Load GD ² referred to motor shaft		
		Aux.		☐ Yes ☒ No		391.500 Kg.m ²		
		Location		☒ Left ☐ Right		Motor GD ²		
(Viewed from Drive End)				Noise Level (dB(A))		6.150 Kg.m ²		
Application				Vibration(Velocity)				
Area Classification		Not applicable		Starting Duty				
Applicable Standard		KS		Paint		Cold 2 times \ Hot 1 time		
Inspection and Performance Test				Munsell No.		4.0PB5.4/5.5(VL-451)		
HHI Stand.		Maker Test Report		SUBMITTAL DRAWING				
ACCESSORIES(OPTION ITEM)				Outline Dimension Drawing \ Motor Weight(Approx.)				
				☐ B3 ☐ B5 ☐ V1		TJ5SAP51 TJ50BP51 TJ50PP51		
						470 Kg 490 Kg 490 Kg		
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.

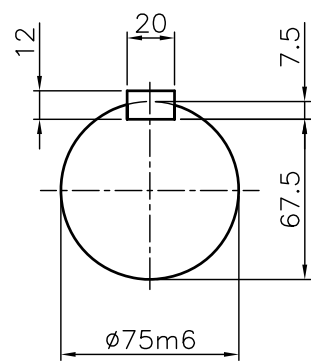


NOTE

1.TOLERANCE :

RABBET DIAMETER	$\phi 450j6$	± 0.020
SHAFT DIAMETER	$\phi 75m6$	$+0.030$ $+0.011$
KEYWAY WIDTH	20P9	-0.022 -0.074
KEYWAY DEPTH	7.5	$+0.2$ 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.



VIEW "A"
SCALE 4/1

TEFC STANDARD
CAD PROJ \ FILE
MMSTDMTR/TJ50BP5

APPD BY	KANG K.J.	UNIT	MM
CHKD BY	KIM O.J.	SCALE	1/13
CHKD BY	LEE N.D.	PROJEC'N	3rd Angle
DSND BY	KIM RYANG GYU	DATE	2007.03.23

SUBJECT	KS Fr.250 TEFC	TITLE	OUTLINE THREE-PHASE INDUCTION MOTOR
REF. NO	L3-Series	Sheet No.	of
DWG NO	TJ50BP51	Revision No.	0



HYUNDAI

HEAVY INDUSTRIES CO., LTD

PERFORMANCE CURVE

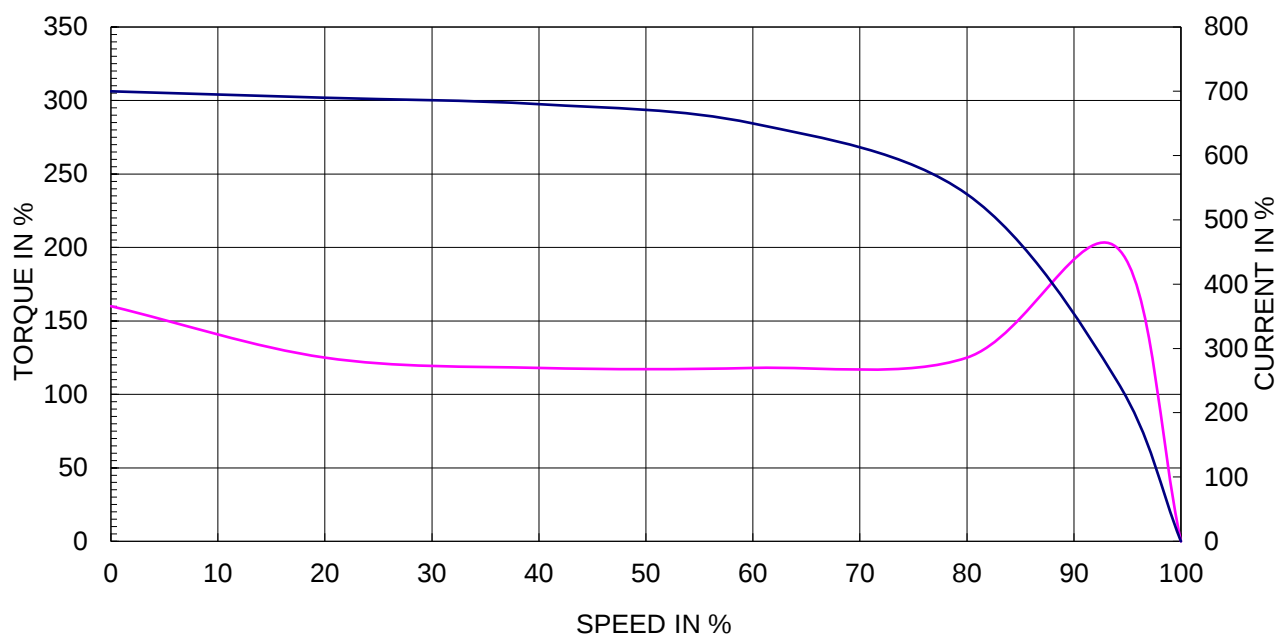
CURVE NO.

P-TNBJ5S06055

TYPE :		
RATED TORQUE :	45.4	Kg.m
GD2 OF MOTOR :	6.2	Kg.m ²
(ALLOWABLE) GD2 OF LOA	391.5	Kg.m ²

55 kW	6 P	60 Hz
RATED SPEED :	1180 RPM	
VOLTAGE	440V	380 V
RATED CURRENT	94.8A	109.8 A
		220V
		189.6A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

