
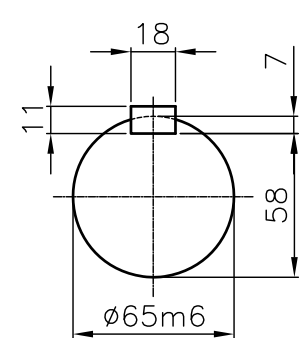
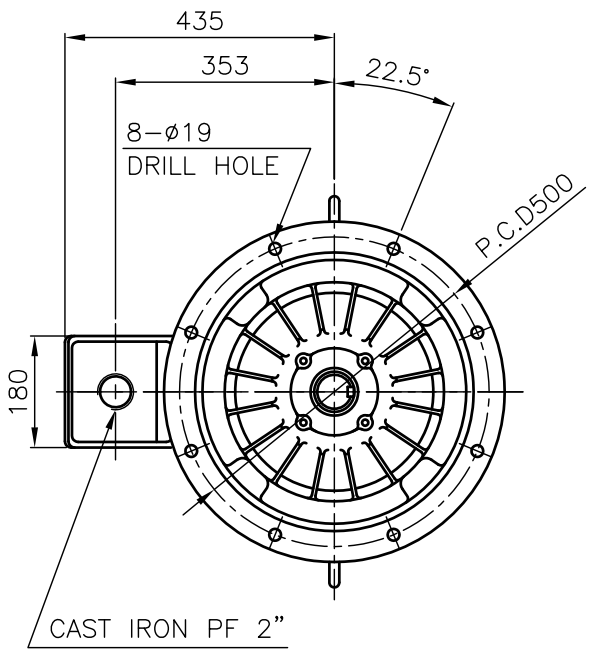
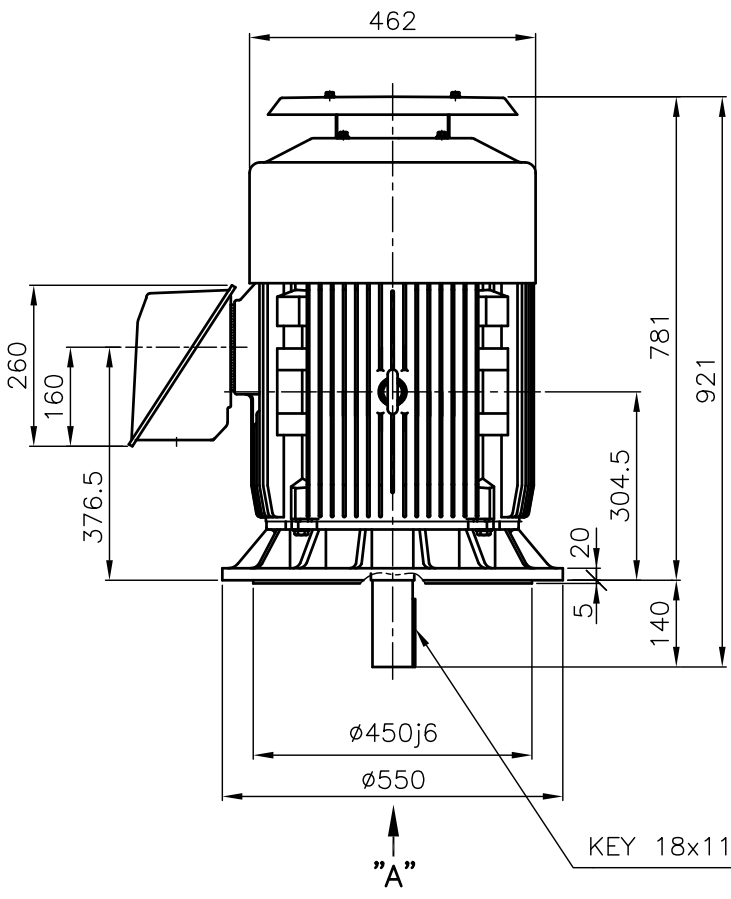
		DATA SHEET of AC INDUCTION MOTOR				60 HP - 6 P TE			
		DESIGN NO : KS C4202-1996							
Model No.or RFQ No.		Item No.		Rev. No.		[0]			
Project Name		Project No.		Quantity :					
GENERAL SPECIFICATION				PERFORMANCE DATA					
Frame No.		225S		Output		60 HP 45 KW			
Type		TNB		Poles		6 P			
Enclosure(Protection)		Totally Enclosed (IP IP54)		Rotor Type		Squirrel Cage			
Cooling Method		IC411(FC)		Starting Method(*)		<input checked="" type="checkbox"/> D.O.L. <input type="checkbox"/> Y-Δ			
Frequency		60 Hz		Rated Voltage		440 V 380 V 220 V			
Phase		3 φ		Current		Rated Load			
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H				Start'g-D.O.L.		79.1 A 91.6 A 158.3 A 498.5 A 577.2 A 997.0 A	
Temp. Rise at full load (by resistance method)				Efficiency					
at 1.0 S.F		105 °C		50% Load		90.1 %			
Location		<input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		75% Load		91.0 %			
Altitude		Less than 1000 meter		100% Load		91.0 %			
Humidity		Less than 80 %		Power Factor					
Ambient Temp.		40 °C (Max.)		50% Load		74.5 %			
Duty		CONT.(S1)		75% Load		80.5 %			
Service Factor		1.00		100% Load		82.0 %			
Electric Design		NEMA Design B		Speed at Rated Load		1176 RPM / SLIP 2.00 %			
Construction		<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/>		Torque (D.O.L)					
Bearing		Type		Anti-friction		Rated			
		DE/ODE		6314C3 \ 6213C3		Starting			
		Lubricant		GREASE(ALVANIA#2)		Break down			
External Thrust		Not applicable		Allowable Load GD ² referred to motor shaft					
Coupling Method		<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt		351.500 Kg.m ²					
Shaft Extension		<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		Motor GD ²					
Terminal Box		Main		<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Noise Level (dB(A))			
		Aux.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Vibration(Velocity)			
		Location		<input checked="" type="checkbox"/> Left <input type="checkbox"/> Right (Viewed from Drive End)		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		<input type="checkbox"/> B3 TJ2SAP51 370 Kg		<input type="checkbox"/> B5 TJ25BP51 400 Kg			
Inspection and Performance Test		HHI Stand.		Maker Test Report		<input type="checkbox"/> V1 TJ25PP51 400 Kg			
		ACCESSORIES(OPTION ITEM)				Main T-Box Ass'y			
				3M-016881					
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	
				2004.01.27		KIM R.G.			

본 도면은 현대중공업(주) 재산이므로
허가없이 복사할 수 없음 (취급주의)

THIS DRAWING IS PROPRIETARY TO HHI. NO PART OF THIS DRAWING
MAYBE REPRODUCED WITHOUT THE PERMISSION OF HHI.

		<h1>TEFC</h1>		TYPE (1) TNB , TDB CAST IRON FRAME
		THREE PHASE INDUCTION MOTOR		



VIEW "Q"
SCALE 4/1

NOTE

1.TOLERANCE :

RABBET DIAMETER	ø450j6	±0.020
SHAFT DIAMETER	ø65m6	+0.030 +0.011
KEYWAY WIDTH	18P9	-0.018 -0.061
KEYWAY DEPTH	7	+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.

TEFC STANDARD
CAD PROJ \ FILE
MMSTDMTR/TJ25PP51

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.225 TEFC	TITLE	OUTLINE THREE-PHASE INDUCTION MOTOR
REF. NO	L3-SERIES	Sheet No.	of
DWG NO	TJ25PP51	Revision No.	0



PERFORMANCE CURVE

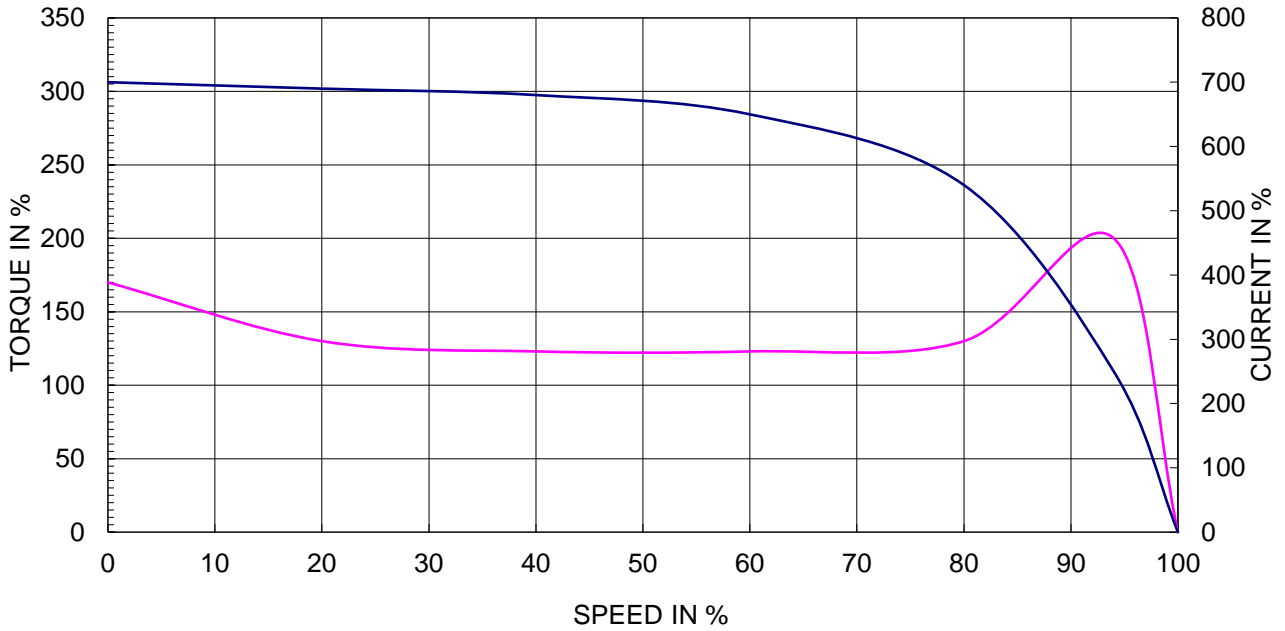
CURVE NO.

P-TNBJ2S06045

TYPE :		
RATED TORQUE :	37.3	Kg.m
GD2 OF MOTOR :	4.8	Kg.m ²
(ALLOWABLE) GD2 OF LOA	351.5	Kg.m ²

45 kW	6 P	60 Hz	
RATED SPEED :		1176 RPM	
VOLTAGE	440V	380 V	220V
RATED CURRENT	79.1A	91.6 A	158.3A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

