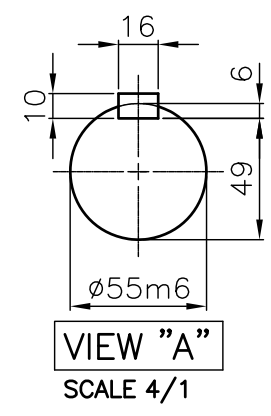
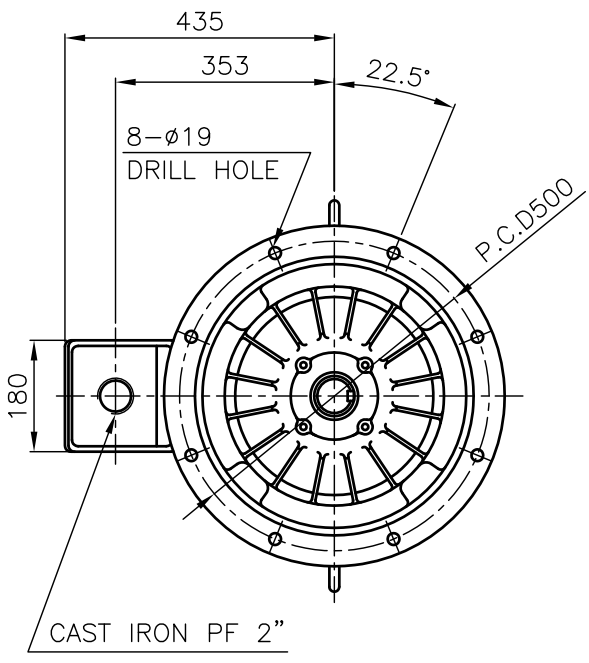
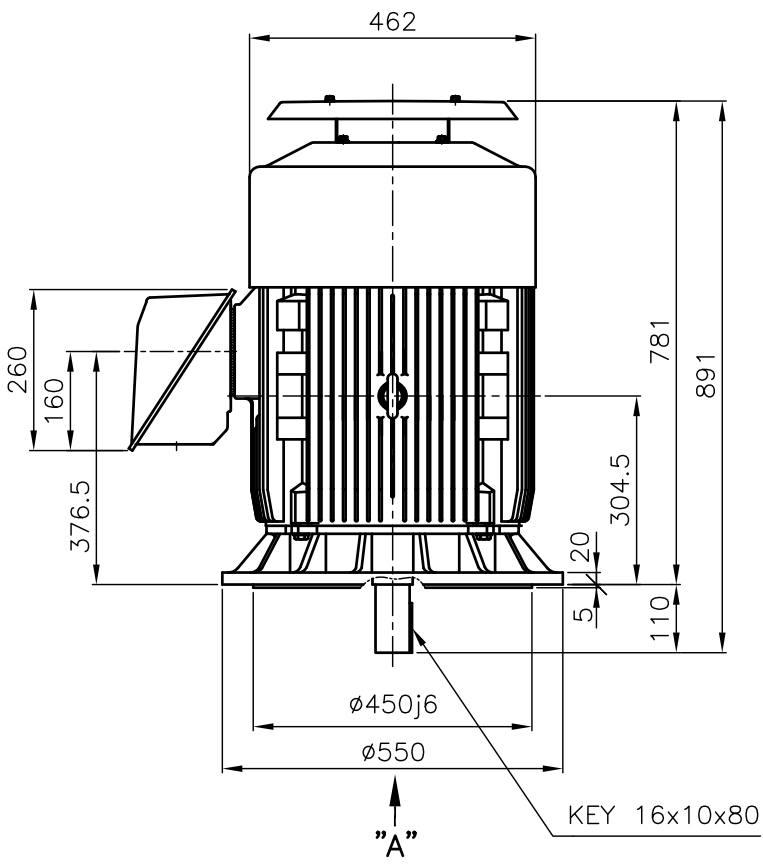


본 도면은 현대중공업(주) 재산이므로  
허가없이 복사할 수 없음 (취급유의)

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

		<h1>TEFC</h1> <h2>THREE PHASE INDUCTION MOTOR</h2>		<b>TYPE</b> (1) TNB , TDB CAST IRON FRAME
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**NOTE**

1.TOLERANCE :

RABBET DIAMETER	ø450j6	±0.020
SHAFT DIAMETER	ø55m6	+0.030 +0.011
KEYWAY WIDTH	16P9	-0.018 -0.061
KEYWAY DEPTH	6	+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/TJ25PC50

APPD BY	KANG K.J.	UNIT	MM	SUBJECT	KS Fr.225 TEFC	TITLE	<b>OUTLINE</b> THREE-PHASE INDUCTION MOTOR
CHKD BY	KIM O.J.	SCALE	1/13				
CHKD BY	LEE N.D.	PROJEC'N	3rd Angle	REF. NO	L3-SERIES	Sheet No.	of
DSND BY	KIM RYANG GYU	DATE	2007.03.23	DWG NO	TJ25PC50	Revision No.	0



# PERFORMANCE CURVE

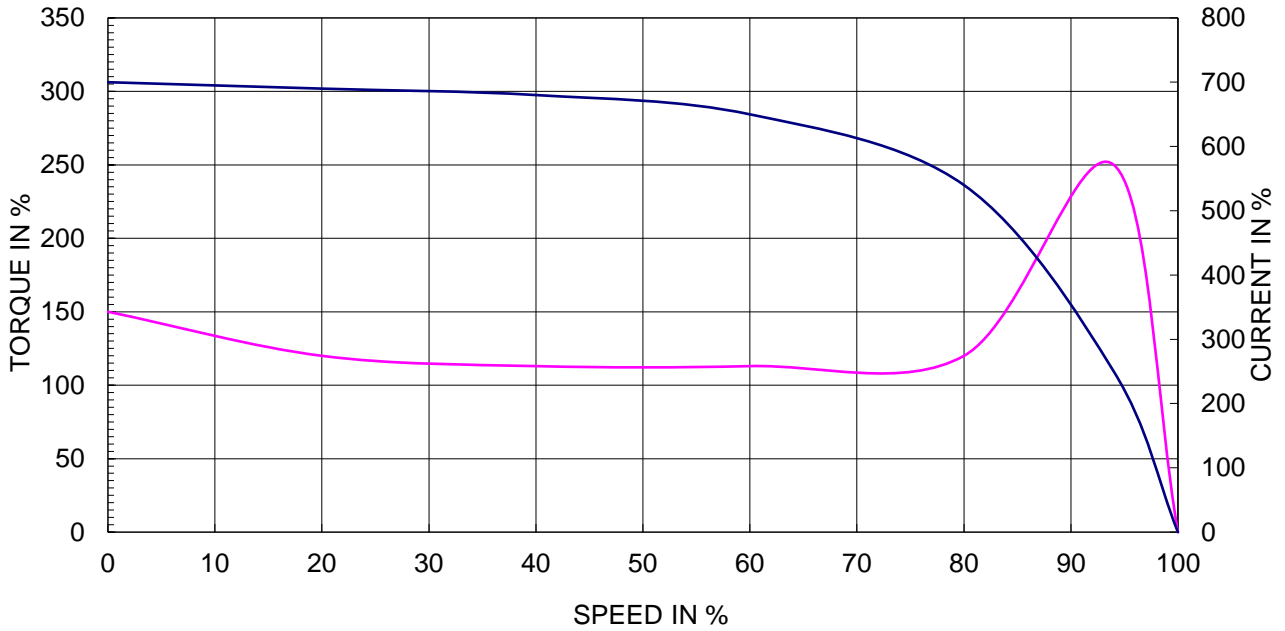
CURVE NO.

P-TNBJ2S02055

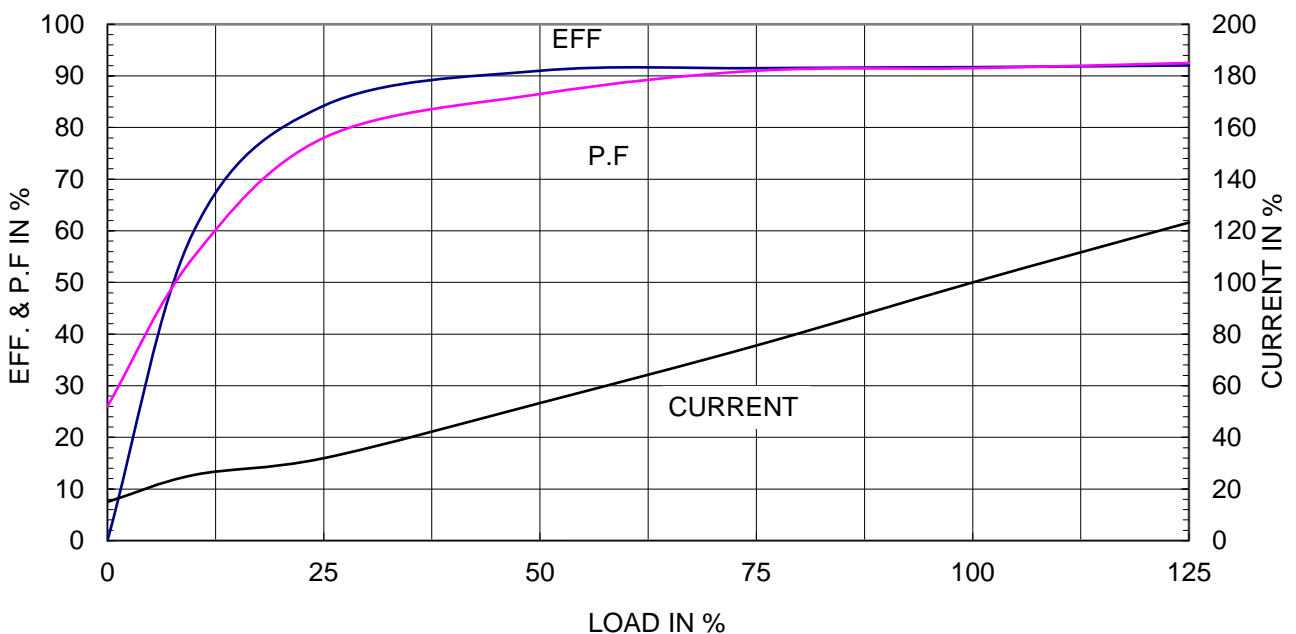
TYPE :		
RATED TORQUE :	15.0	Kg.m
GD2 OF MOTOR :	1.6	Kg.m <sup>2</sup>
(ALLOWABLE) GD2 OF LOA :	20.0	Kg.m <sup>2</sup>



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



		<b>DATA SHEET</b> of <b>AC INDUCTION MOTOR</b>				<b>75 HP - 2 P</b> <b>TE</b>			
		DESIGN NO : <b>KS C4202-1996</b>							
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(*)		<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.		86.0 A      99.6 A      172.0 A	
Temp. Rise at full load (by resistance method)		at 1.0 S.F      105 °C		Efficiency		50% Load			
Location				<input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		75% Load		91.0 %      91.5 %	
Altitude		Less than 1000 meter		100% Load		91.7 %			
Humidity		Less than 80 %		Power Factor		50% Load			
Ambient Temp.		40 °C (Max.)		75% Load		86.5 %      91.0 %			
Duty		CONT.(S1)		100% Load		91.5 %			
Service Factor		1.00		Speed at Rated Load		3570 RPM / SLIP 0.83 %			
Electric Design		NEMA Design B		Torque (D.O.L)		Rated			
Construction		<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/>		Starting		15.0 Kg.m      100 %			
Bearing		Type		Anti-friction		Break down			
		DE/ODE		6213C3 \ 6213C3		22.5 Kg.m      150 %			
		Lubricant		GREASE(ALVANIA#2)		34.5 Kg.m      230 %			
External Thrust		Not applicable		Allowable Load GD <sup>2</sup> referred to motor shaft		20.000 Kg.m <sup>2</sup>			
Coupling Method		<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt		Motor GD <sup>2</sup>		1.630 Kg.m <sup>2</sup>			
Shaft Extension		<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		Noise Level (dB(A))		87 dB(A) at 1m from motor(No-load)			
Terminal Box		Main		<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron		Vibration(Velocity)			
		Aux.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.8 mm/sec.(peak)			
		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.)		<input type="checkbox"/> B3      TJ2SAC50      350 Kg			
Applicable Standard		KS		<input type="checkbox"/> B5      TJ25BC50      380 Kg		<input type="checkbox"/> V1      TJ25PC50      380 Kg			
Inspection and Performance Test		HHI Stand.      Maker Test Report		Main T-Box Ass'y		3M-016881			
ACCESSORIES(OPTION ITEM)									
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.

HHI W230-131-1 \* In case of Inverter or V.V.V.F Motor:Performance data is based on sine wave tests. A4(210mm X 297mm)