

AC INDUCTION MOTOR DATA SHEET

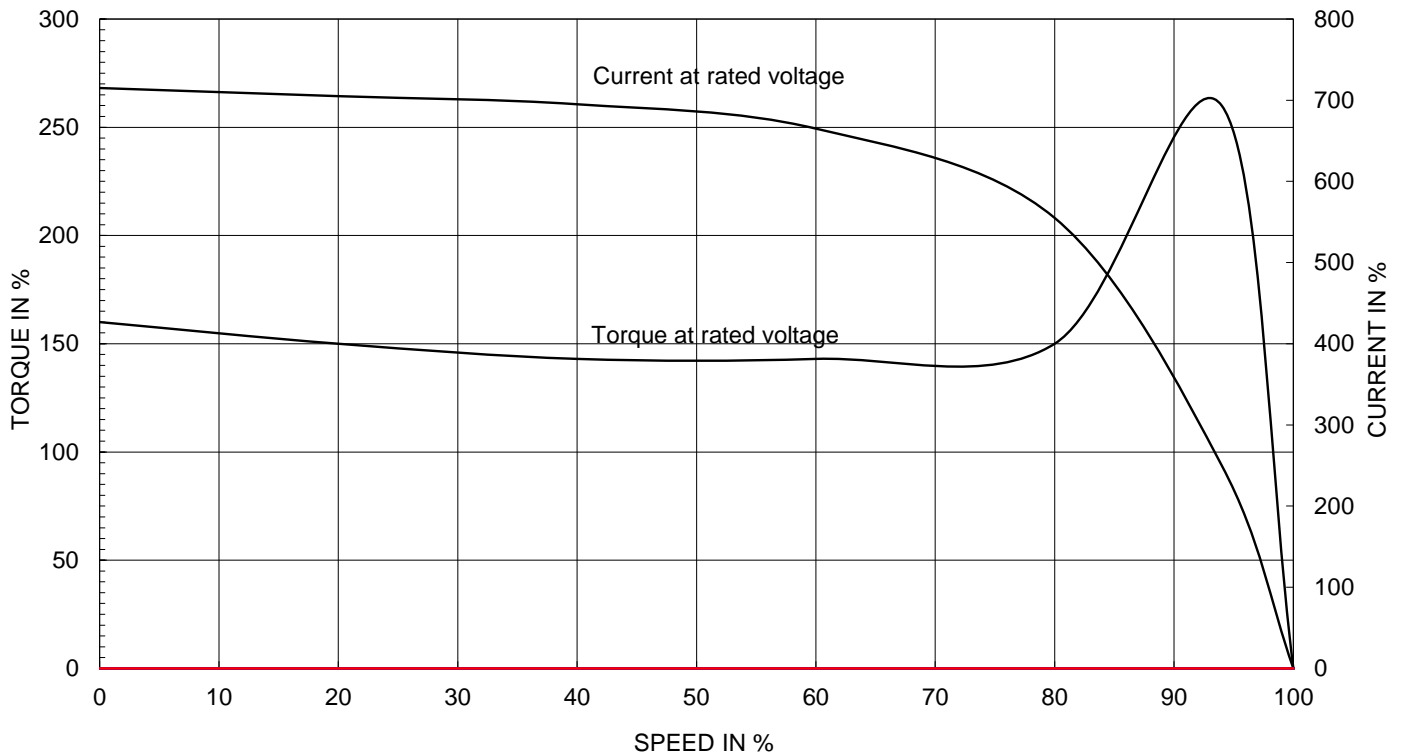
Model No.or RFQ No.		Item No.		Rev. No. []			
Project Name		Project No.		Quantity sets			
GENERAL SPECIFICATION			PERFORMANCE DATA				
Frame Size		213TC		Rated Output 5.5 kW 7.5 HP			
Type		PJP		Number of Poles 2			
Enclosure(Protection)		Totally Enclosed / IP55		Rotor Type Squirrel Cage			
Method of Cooling		IC411(FC)		Starting Method* <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-Δ			
Rated Frequency		60 Hz		Rated Voltage 575 V 460 V 230 V			
Number of Phases		3		Current Full Load 7.2 A 9.0 A 17.9 A			
Insulation Class		<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor** 715 % 715 % 715 %			
Temp. Rise at full load (by resistance method)		at 1.0 S.F 80 deg. C		Efficiency			
Motor Location		<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor		50% Load 87.0 %			
Altitude		Less than 1000 meter		75% Load 89.7 %			
Relative Humidity		Less than 80 %		100% Load 89.5 %			
Ambient Temp.		40 deg. C (Max.)		Power Factor(p.u)			
Duty Type		Continuous (S1)		50% Load 0.780			
Service Factor		1.15		75% Load 0.835			
Mounting		B34		100% Load 0.860			
Bearing		Type Anti-Friction		Speed at Full Load 3520 r.p.m			
		DE/N-DE 6208ZZC3 / 6208ZZC3		Torque			
Lubricant		Grease		Full Load 11.0 lb.ft			
External Thrust		Not applicable		Locked-rotor** 160 %			
Coupling Method		<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt		Breakdown** 260 %			
Shaft Extension		<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double		Moment of Inertia (J)			
Terminal		Main <input checked="" type="checkbox"/> Aluminum <input type="checkbox"/> Cast Iron		Load(Max.) 8.183 lb.ft2			
Box		Aux. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Motor 0.332 lb.ft2			
Location		Refer to Outline Drawing		Sound Pressure Level (No-load & mean value at 1m from motor)			
Application				73 dB(A)			
Area classification		Class I, Division 2		Vibration 3.8 mm/sec (peak)			
Type of Ex-Protection		Groups A,B,C and D T3A		Permissible number of consecutive starts			
Applicable Standard		NEMA MG1, CSA C390		Cold 3 times			
				Hot 2 times			
				Paint Munsell No. 4.0PB5.4/5.5(VL-451)			
ACCESSORIES			SUBMITTAL DRAWING				
			Outline Dimension Drawing \ Motor Weight(Approx.)				
			B34 LM-T2213C4PLV01 150 lb.				
REMARK							
			* . Premium efficiency acc. to NEMA MG1				
			* . For use on PWM VFD 20:1VT, 10:1CT@S.F. 1.0&F Temp.rise				
			* . S.F. 1.25(When 100HP or less, Temp rise F & Non-Hazardous)				
			* . CROWN TRITON G2 Series				
SPARE PARTS							
			Date	DSND	CHKD	CHKD	APPD
			2020-12-24	R.G. Kim	S.K. Han	O.J. kim	S.Y. Kim

Note: Others not mentioned in this data sheet shall be in accordance with maker standard.
 Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.
 Inspection and performance test shall be maker standard, if not mentioned.
 * In case of Inverter-Fed Motor, performance data is based on sine wave tests.
 ** Data is based on when the motor is supplied at rated voltage & frequency. and the data is expressed as a percentage of full-load value.

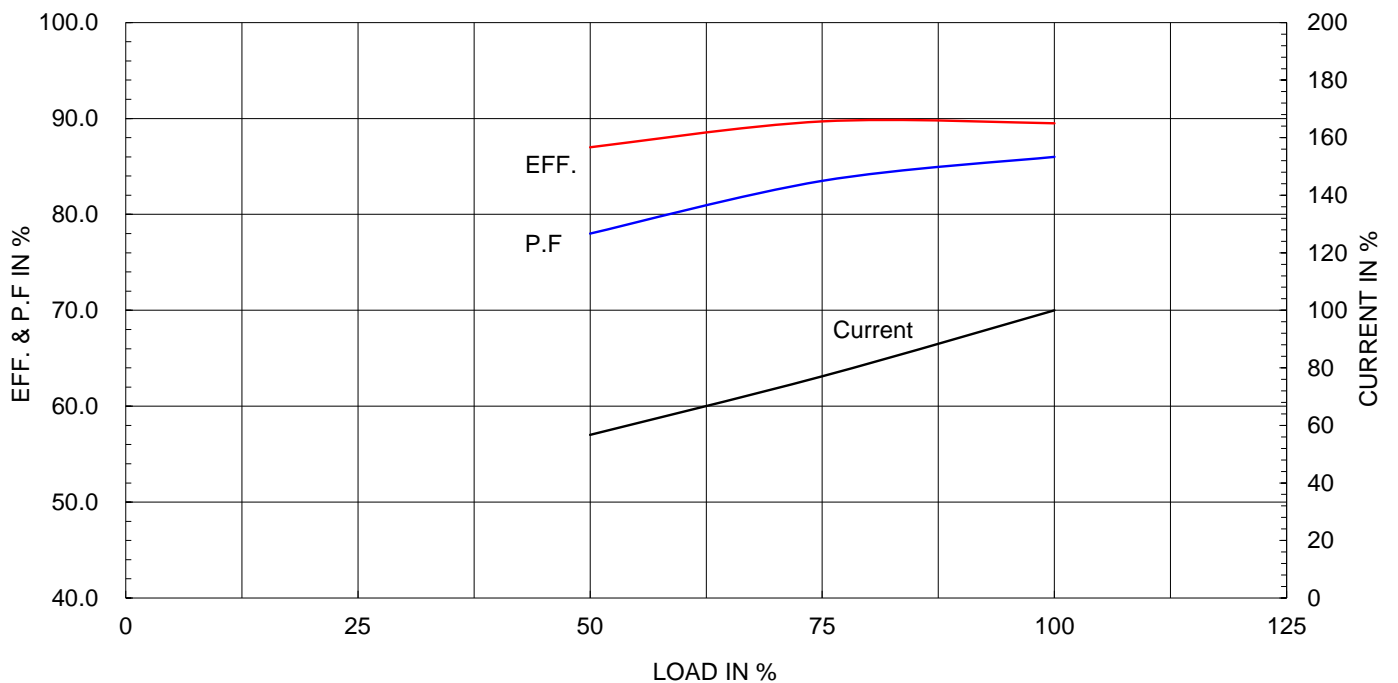
Type :	PJP	
Full Load Torque :	11.0	lb.ft
Load moment of Inertia (J) :	—	lb.ft2
Motor moment of Inertia (J) :	0.332	lb.ft2

5.5 kW	7.5 HP	2 P	60 Hz
Speed at Full Load : 3520 RPM			
Rated Voltage	575V	460V	230V
Full Load Current	7.2A	9.0A	17.9A

SPEED VS TORQUE & CURRENT CURVE



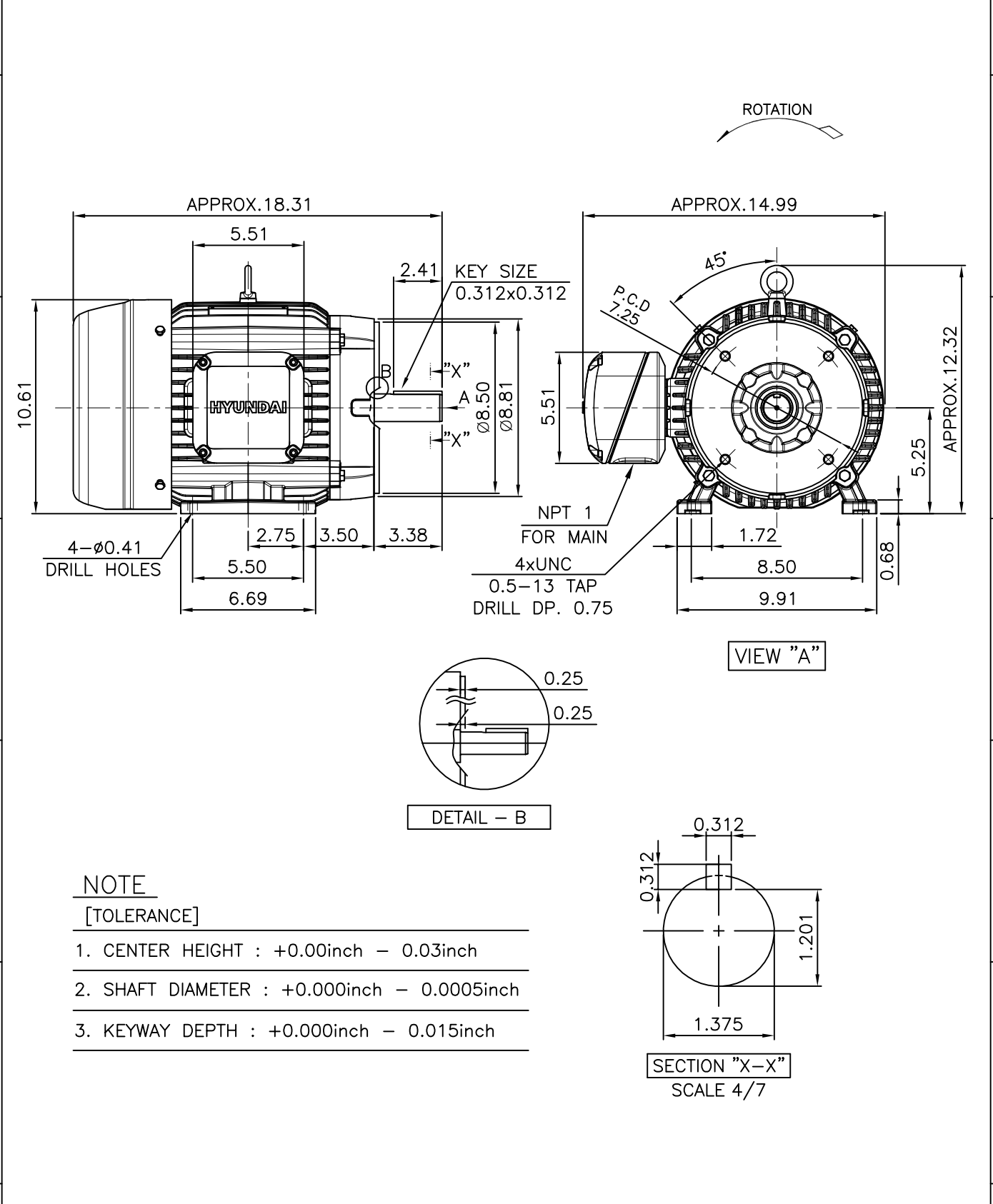
OUTPUT VS EFF., P.F & CURRENT CURVE



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

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1	2	3	4
▽	50S	REV	DATE
▽▽	12.5S		
▽▽▽	3.2S		
▽▽▽▽	0.4S		



NOTE
[TOLERANCE]

- CENTER HEIGHT : +0.00inch - 0.03inch
- SHAFT DIAMETER : +0.000inch - 0.0005inch
- KEYWAY DEPTH : +0.000inch - 0.015inch

APPD BY	S.K.HAN	UNIT	inch	SUBJECT	NEMA 213TC	DWG SIZE	A4 (1:7)
CHKD BY	S.Y.KIM	SCALE	1/7	TITLE	OUTLINE		
CHKD BY	I.K.KIM	PROJEC'N	3각법(3rd Angle)				
DSND BY	S.H.LEE	DATE	2020.02.24				
HYUNDAI ELECTRIC				REF. NO		Sheet No.	of
				DWG NO	LM-T2213C4PLV01	Revision No.	0