

Customer :  
Project Name :  
Project No. :  
Revision No. :

# SPECIFICATION for INDUCTION MOTOR



0		For Bidding			
No.	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY



1	2	3	4
REV	DATE	CONTENTS	REVD BY

3.94

**CROWN TRITON G2** Premium Efficiency AC 3 Phase Motor Cat. No. HES5-12-215TC

5HP	6P	230/460V	Amps	15.26/7.63	Type	HLS	Amb.	40°C	
Frame	215TC	Duty	CONT	Encl.	TEFC	Model	HLS215PR335	NEMA Nom. Eff.	89.5%
RPM	1180	Hertz	60Hz	S.F.	1.15	INS. Class	F HD-F1	3/4 Eff.	88.5%
Bearing	Drive	6208ZZC3	S.F.1.25 (When 100HP or less, Temp Rise F & Non-Hazardous)				NEMA Design	B Torque	
	Opp.	6208ZZC3	S.F.1.00 (10:1 C.T., 20:1 V.T., NEMA-MG1 Part31)				Code	K	
Usable at	50Hz 3HP 380V 8.1A 980rpm S.F.: 1.0 Eff.: 81.8% Code: L								
	50Hz 3HP 400/415V 9.1/10.2A 980/985rpm S.F.: 1.0 Eff.: 81.8/81.8% Code: L/L								
CSA Certified for	Model	LATER	Type	PJP	Temp. Code	Frame	140-320FR	CE	
	CLASS I, Div. 2, Gr. A, B, C & D	CLASS II, Div. 2, Gr. E, F & G			(Sine Wave)	Amb.40°C	T3C (160°C)		
	CLASS I, Zone 2, Gr. IIA, IIB & IIC	(Gr. E: up to 320FR)				Amb.55°C	T3A (180°C)		
No.	-	Date	-	Weight	190 lb				

4M-136021
MARINE DUTY IEEE45
Made in Vietnam H4
Designed By HYUNDAI, Korea

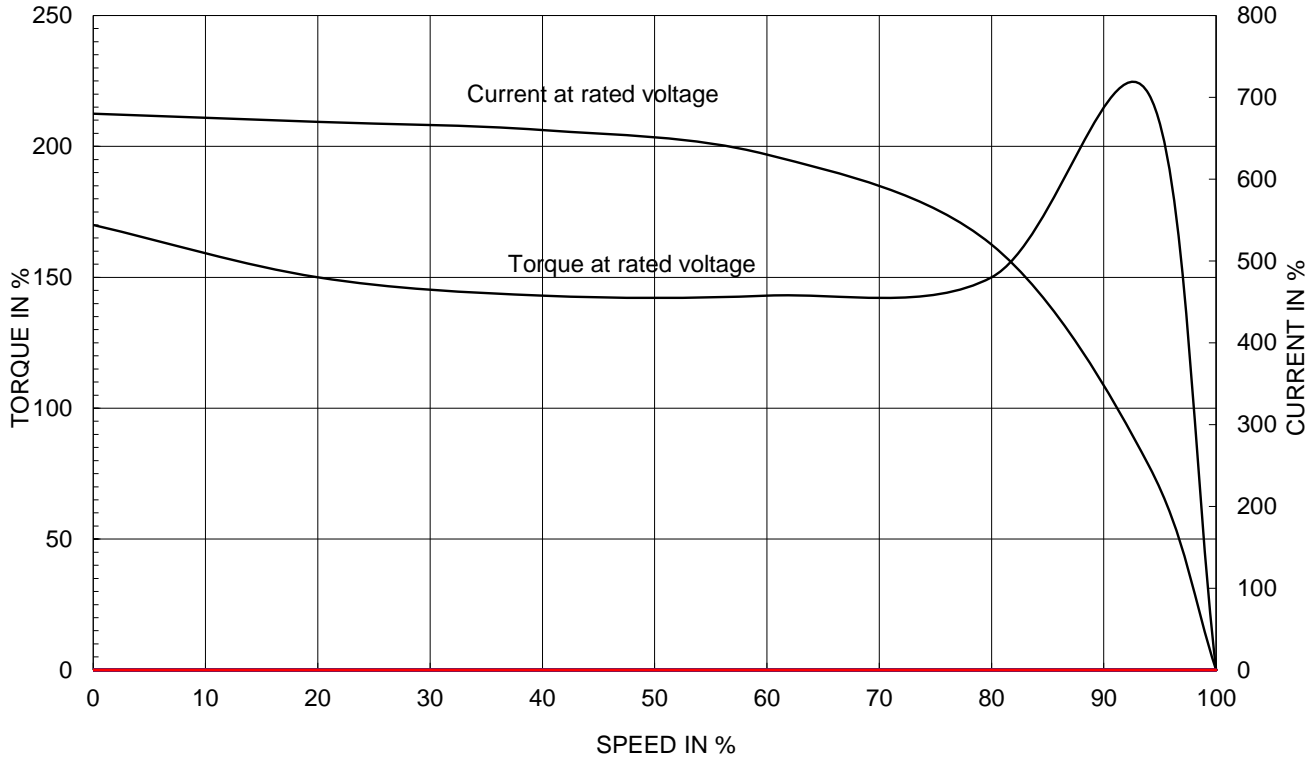
1.57

APPD BY	S.Y.KIM	UNIT	INCH	SUBJECT	CSA Class I, Division2 Severe Duty (HES, 143-215)	DWG SIZE	A4 ( 1:1 )
CHKD BY	I.K.KIM	SCALE	NONE				
CHKD BY	R.G.KIM	PROJEC'N	3rd Angle	TITLE <b>NAMEPLATE DRAWING</b>			
DSND BY	S.H.LEE	DATE	2024.06.07				
				REF. NO	<b>4M-136021</b>	Sheet No.	of
				DWG NO	<b>NP-HES5-12-215TC</b>	Revision No.	<b>0</b>

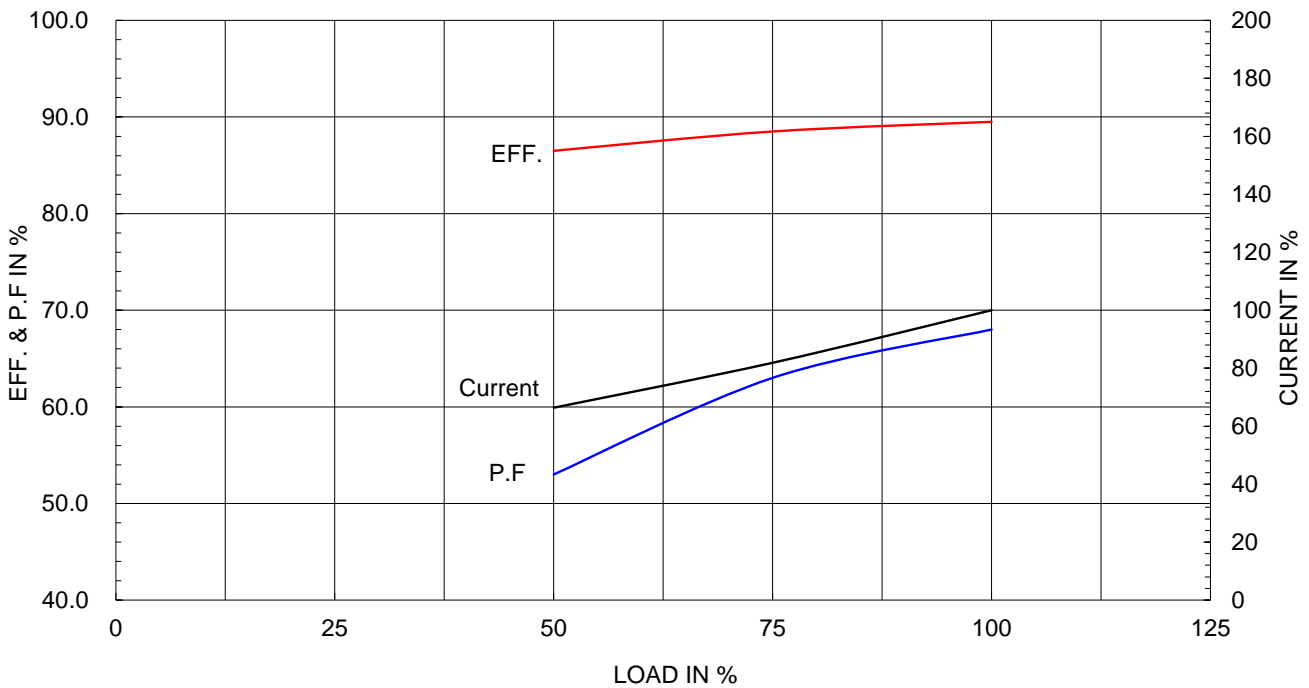
Type :	PJP
Full Load Torque :	22.1 lb.ft
Load moment of Inertia (J) :	96.700 lb.ft <sup>2</sup>
Motor moment of Inertia (J) :	1.234 lb.ft <sup>2</sup>

3.7kW 5HP	6 P	60 Hz
Speed at Full Load :		1180 RPM
Rated Voltage	575V	460V 230V
Full Load Current	6.1A	7.6A 15.3A

SPEED VS TORQUE & CURRENT CURVE



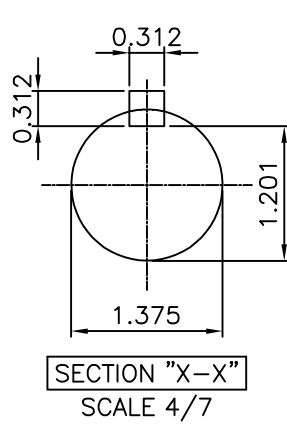
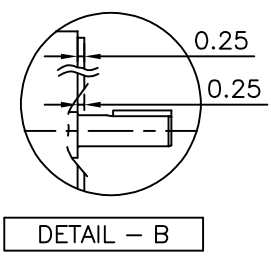
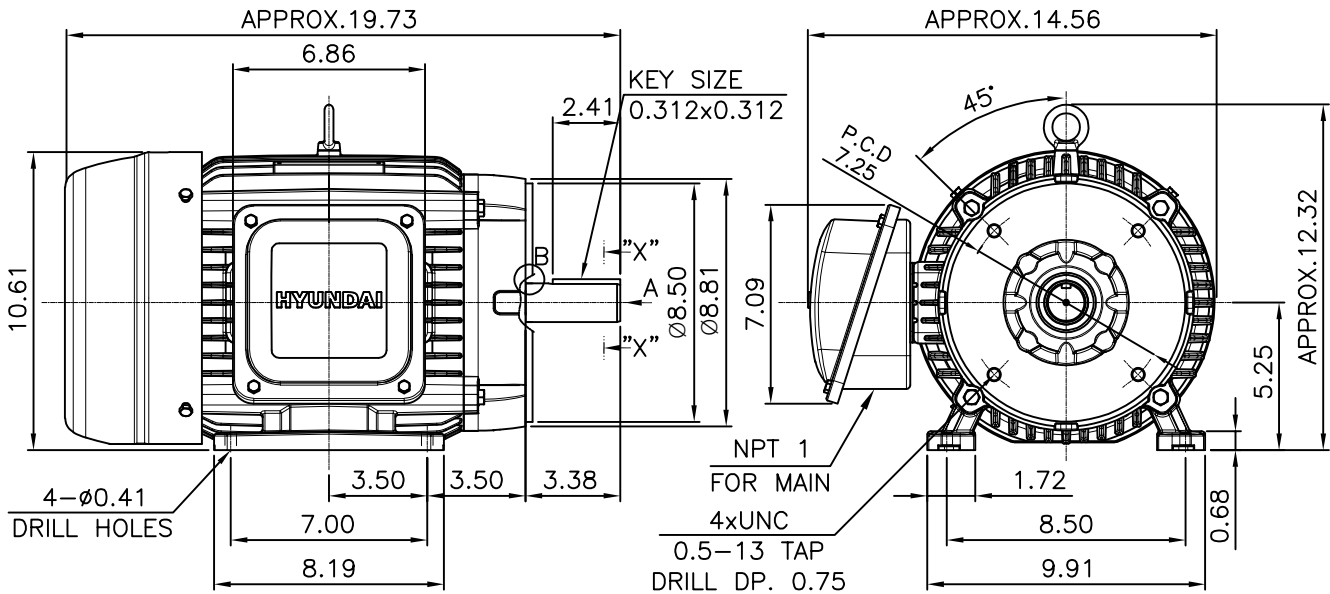
OUTPUT VS EFF., P.F & CURRENT CURVE



본 도면은 HD현대일렉트릭(주) 재산이며 허가없이 복사할 수 없음 (취급유의)

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1		2		3		4			
▽	50S	REV	DATE	CONTENTS		REVD BY	CHKD BY	CHKD BY	APPD BY
▽▽	12.5S								
▽▽▽	3.2S								
▽▽▽▽	0.4S								

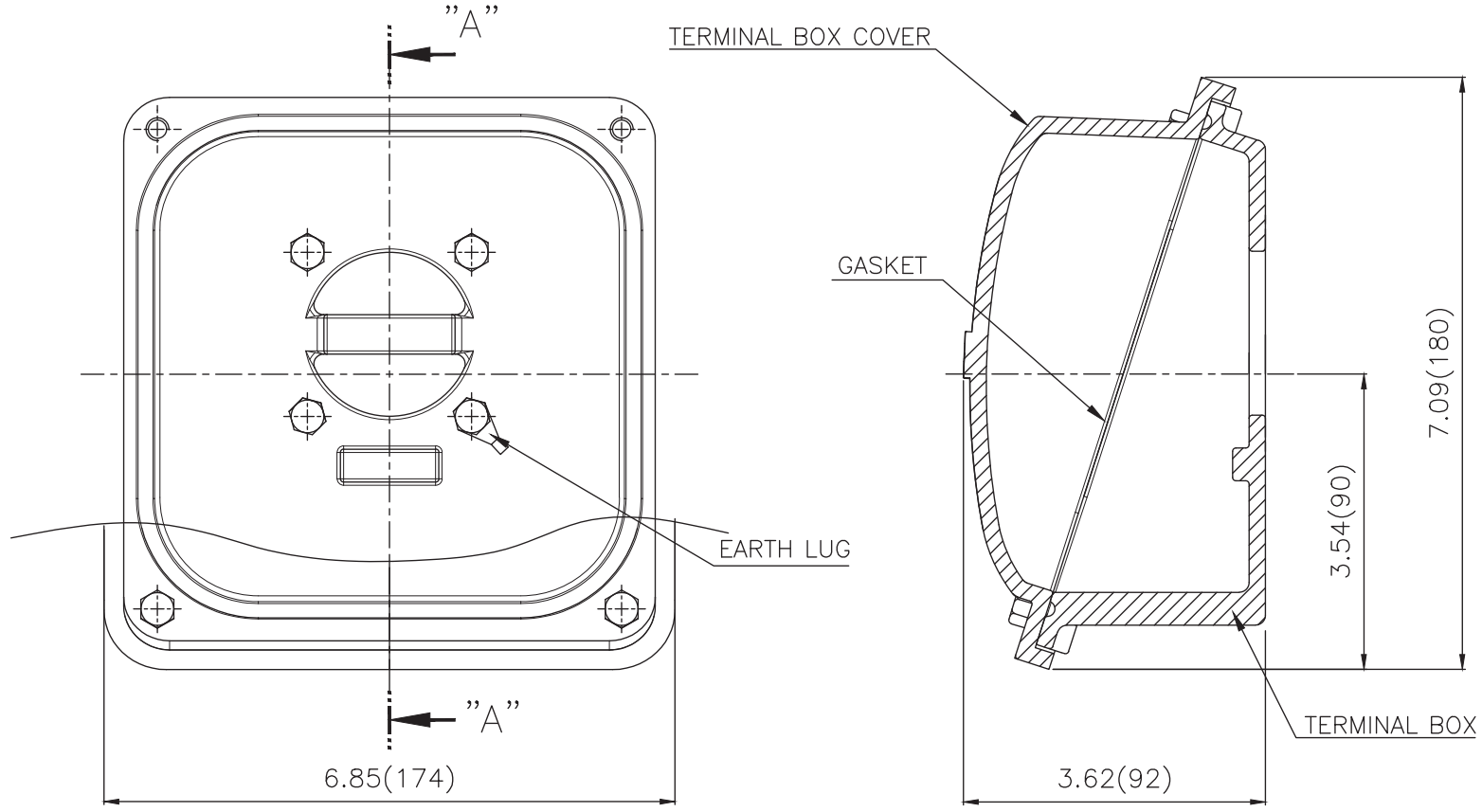


**NOTE**  
[TOLERANCE]

- 1. CENTER HEIGHT : +0.00inch - 0.03inch
- 2. SHAFT DIAMETER : +0.000inch - 0.0005inch
- 3. KEYWAY DEPTH : +0.000inch - 0.015inch

APPD BY	S.Y.KIM	UNIT	mm	SUBJECT	NEMA 215TC	DWG SIZE		
CHKD BY	R.G.KIM	SCALE	1/7	TITLE		A4 ( 1:7 )		
CHKD BY		PROJEC'N	3rd Angle			OUTLINE		
DSND BY	주유림	DATE	2021-04-29					
				REF. NO		Sheet No.	of	
				DWG NO	LM-T2215C4PLV23	Revision No.	0	

**Cls. I&II, Div. 2  
IEEE 841**



SEC. "A" - "A"

▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REVD BY	CHKD BY	CHKD BY	APPD BY

일반기공공차		일반재관공차	
1-4	±0.1	6-30	±0.5
4-18	±0.2	30-120	±0.8
18-63	±0.3	120-315	±1.2
63-250	±0.5	315-1000	±2.0
250-	±0.8	1000-	±3.0

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APPD BY	S.Y.KIM	UNIT	inch(mm)	SUBJECT	FR. 210 (CAST IRON)	DWG SIZE	
CHKD BY		SCALE	1/1.5	TITLE	TERMINAL BOX ASS'Y		
CHKD BY	R.G.KIM	PROJEC'N	3rd Angle	DATE	2023-10-19		
DSND BY	배승희						
REF. NO		Sheet No.	of				
DWG NO	3M-248457	Revision No.	0				

