



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

SPECIFICATION for INDUCTION MOTOR





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



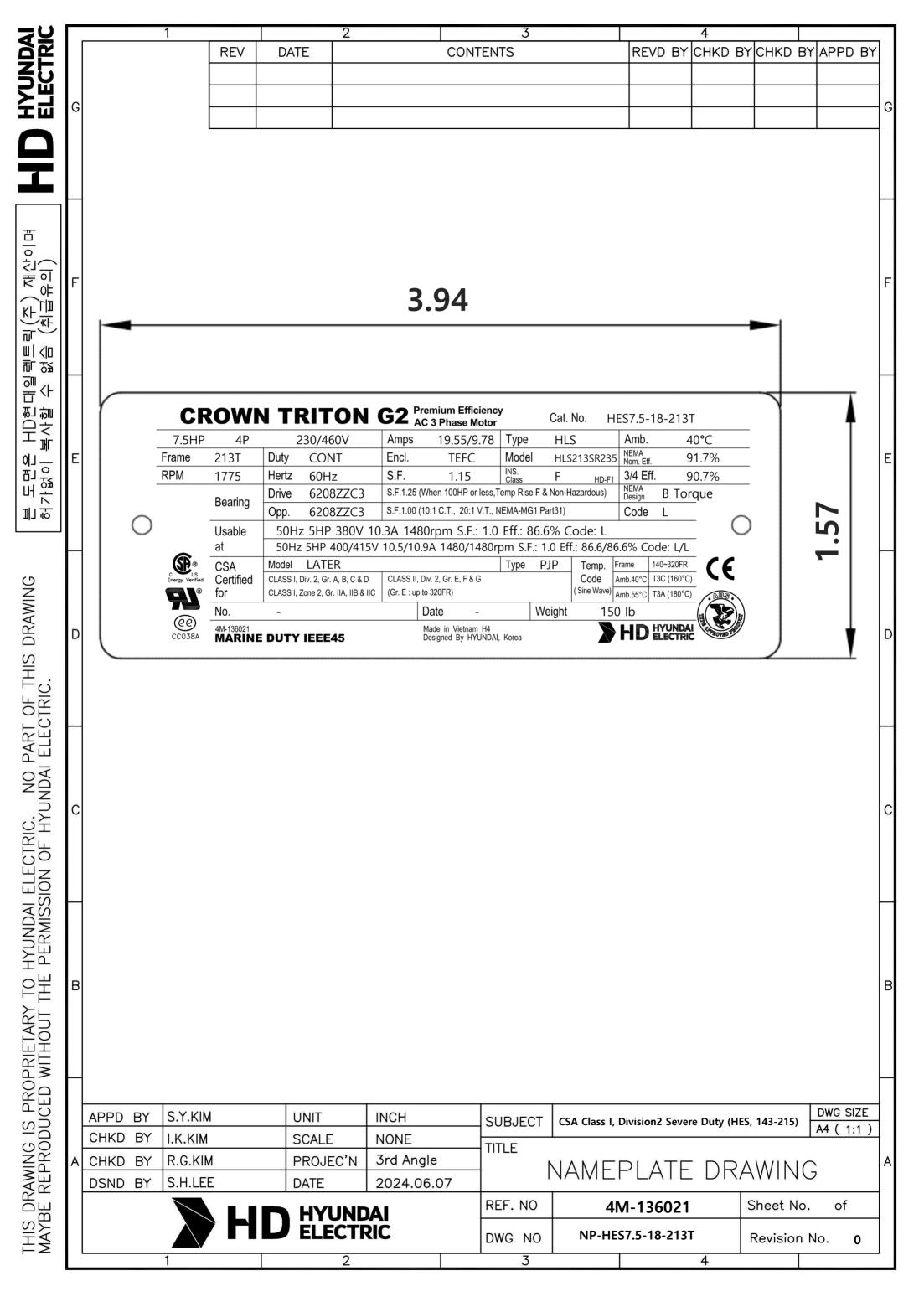
AC INDUCTION MOTOR DATA SHEET

Catalog No		HES7.5-18-2	213T	Item No.			Rev. No]		
Project Na				Project No.	•			sets			
	GENERAL SI		ON				ERFORMANCE DATA				
Frame Size	2	213T			Rated Outp		5.5		7.5 HP		
Туре	-	PJP			Number of		Squirrel Cage				
,	7. 7. 7.										
Method of Cooling		IC411(FC)		2		220	* 7				
Rated Frequency Number of Phases		60 Hz		Rated Volt	age Full Load	575 V	460 V	230	V		
		3		- ⊢		7.82 A 940 %	9.78 A 940 %	19.55 940	A 0/		
Insulation Class F		1-	•		Efficiency	Locked-rotor**	940 %	940 %	940	%	
Temp. Rise at full load (by resistance		ř			Efficiency	50% Load	007	0/			
at 1.0 S.F		80 deg. C		-	50% Load 88.7 % 75% Load 90.7 %						
Motor Location Altitude		☐ Indoor ☐ Outdoor		-	100% Load	90.7					
Relative H	umidity	Less than 1,000 meter Less than 80 %		Power Fact		91.7	70				
Ambient To		Less than			Power Faci	or(p.u) 50% Load	0.620				
Duty Type	emp.	deg. C (Max.) Continuous (S1)		-	75% Load	0.020					
Service Fac	otor			-	100% Load	0.720					
Mounting	CiOi	1.15 B3		Speed at Fu		1775	r n m				
Mounting	Tymo	Anti-Friction			Torque	III LOau	1773	1.p.iii			
Bearing	Type DE/N-DE	6208ZZC3 /				Full Load	21.8	lh ft			
bearing	Lubricant	Grease(Poly			-1	Locked-rotor**	190				
External Tl		Not applicab			-1 ⊢	Breakdown**	250				
		Vot applicat	V-belt				230	70			
Coupling N		Single	v-beit		Moment of	Load(Max.)	46.042	1h 60			
Shaft Exter Terminal	nsion Main	Cast Iron			-1 ⊢	Motor	0.570				
H		No.									
Box	Aux. Location		line Drawing		Sound Pres	sure Level (No			m motor)		
Application		Kelel to Out	ille Diawing		62 dB(A) Vibration 3.8 mm/sec (peak)						
•		Hazardous		Permissible number of Cold 3 times)				
Area classification Type of Ex-Protection		Class I&II, Division 2		consecutive starts Cold 3 times Hot 2 times							
Applicable		NEMA MG1, CSA C390		Paint	Munsell No.	4.0PB5.4/5.5					
ACCESSO		T LEWIN T IM G	1, CBH C370		Tanit		AL DRAWIN				
HECEBBE	JAIL S				Outline Di	mension Drawin		Motor Weight	t(Approx)		
1							·-b				
							LM-T2213B	3PLV23	150 lb		
						В3	LM-T2213B	33PLV23	150 lb.		
							LM-T2213B	33PLV23	150 lb.		
							LM-T2213B	33PLV23	150 lb.		
						В3	LM-T2213B	33PLV23	150 lb.		
					REMARK	B3			150 lb.		
					REMARK 1. Premi	B3 um efficiency a	ccording to NE	MA MG1			
					REMARK 1. Premin 2. Inverte	B3 um efficiency a er Duty @ 1.0 S	ccording to NE Service Factor &	MA MG1			
					REMARK 1. Premin 2. Inverto 10:1	B3 um efficiency a er Duty @ 1.0 S VT (20:1 VT a	ccording to NE Service Factor &	MA MG1			
					REMARK 1. Premin 2. Inverte 10:1 10:1	B3 um efficiency a er Duty @ 1.0 S VT (20:1 VT a	ccording to NE Service Factor & t 50% load)	MA MG1 & F Temperatu	ıre rise		
					REMARK 1. Premir 2. Inverte 10:1 10:1 CHP	B3 um efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times	ccording to NE Service Factor & t 50% load)	MA MG1 & F Temperatu	ıre rise		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverte 10:1 10:1 CHP 3. CSA (B3 um efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification	ccording to NE Service Factor & t 50% load)	MA MG1 & F Temperatu EMA MG1 Pa	ıre rise		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverto 10:1 10:1 CHP 3. CSA C Class	B3 Tum efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, 6	ccording to NE Service Factor & t 50% load) s base speed, N	MA MG1 & F Temperatu EMA MG1 Pa & D	rt31		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverto 10:1 10:1 CHP 3. CSA C Class Class	B3 um efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, s II, Division 2	ccording to NE Service Factor & t 50% load) s base speed, N Group A, B, C Group E, F & C	MA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u	rt31 p to 320Fr.)		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverte 10:1 10:1 CHP 3. CSA C Class Class 4. Service	B3 Im efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, 6 s II, Division 2 e Factor 1.15 ar	ccording to NE Service Factor & t 50% load) s base speed, N Group A, B, C Group E, F & C nd Temperature	MA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u e rise B are app	rt31 p to 320Fr.)		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverte 10:1 10:1 CHP 3. CSA C Class 4. Servic under	B3 Tum efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, s II, Division 2 e Factor 1.15 at the condition of	ccording to NE Service Factor & t 50% load) s base speed, N. Group A, B, C Group E, F & C and Temperature f sine wave pow	EMA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u e rise B are app	rt31 p to 320Fr.)		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverte 10:1 10:1 CHP 3. CSA C Class Class 4. Servic under 5. Servic	B3 cum efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, s II, Division 2 er Factor 1.15 at the condition or er Factor 1.25 is	ccording to NE Service Factor & t 50% load) S base speed, N. Group A, B, C Group E, F & C and Temperature f sine wave power applicable to re-	EMA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u e rise B are appwer. notors of 100F	rt31 p to 320Fr.)		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverte 10:1 10:1 CHP 3. CSA C Class Class 4. Servic under 5. Servic	B3 Tum efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, s II, Division 2 e Factor 1.15 at the condition of	ccording to NE Service Factor & t 50% load) S base speed, N. Group A, B, C Group E, F & C and Temperature f sine wave power applicable to re-	EMA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u e rise B are appwer. notors of 100F	rt31 p to 320Fr.)		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverte 10:1 10:1 CHP 3. CSA (Class Class 4. Servic under 5. Servic with te	B3 um efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, s II, Division 2 er Factor 1.15 at the condition of the Factor 1.25 is emperature rise	ccording to NE Service Factor & t 50% load) s base speed, N Group A, B, C Group E, F & C nd Temperature f sine wave pove applicable to r F & Non-Haza	EMA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u e rise B are app wer. motors of 100F ardous.	rt31 p to 320Fr.) plicable HP or less		
SPARE PA	ARTS				REMARK 1. Premin 2. Inverte 10:1 10:1 CHP 3. CSA C Class Class 4. Servic under 5. Servic	B3 cum efficiency a er Duty @ 1.0 S VT (20:1 VT a CT up to 1.5 times Certification s I, Division 2, e s II, Division 2 e Factor 1.15 ar the condition or e Factor 1.25 is emperature rise	ccording to NE Service Factor & t 50% load) S base speed, N. Group A, B, C Group E, F & C and Temperature f sine wave power applicable to re-	EMA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u e rise B are appwer. notors of 100F	rt31 p to 320Fr.))	

Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.

Inspection and performance test shall be done according to maker standard, if not mentioned.

- * In case of Inverter-Fed Motor, performance data is based on sine wave tests. It may be different from test data of Inverter combined motor.
- ** Data is based on rated voltage & frequency and is expressed as a percentage of full-load value.





PERFORMANCE CURVE

CURVE NO.

PC-HES7.5-18-213T

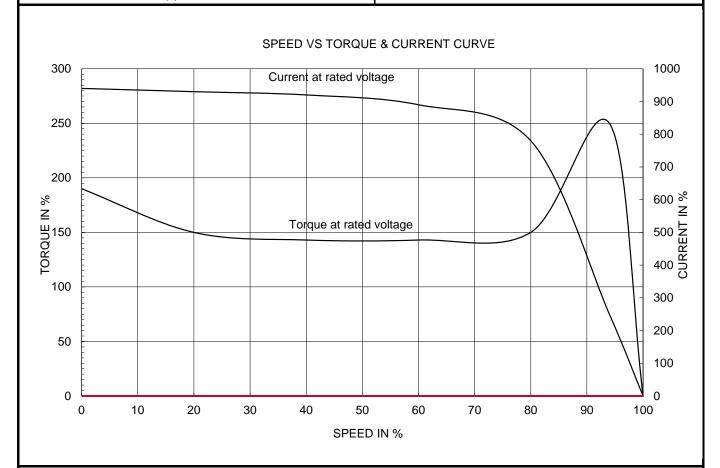
Type: PJP

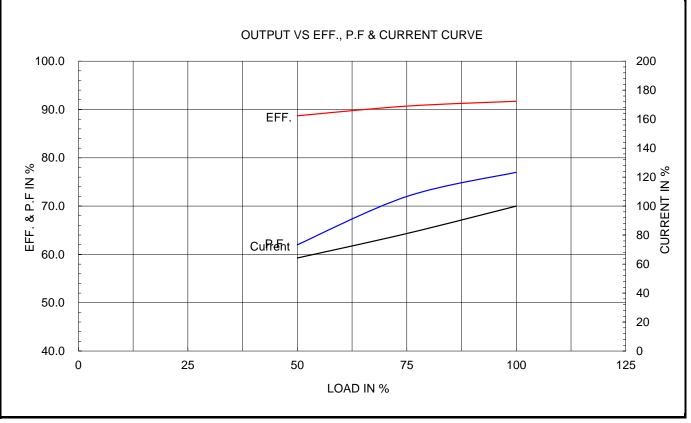
Full Load Torque: 21.8 lb.ft

Load moment of Inertia (J): 46.042 lb.ft2

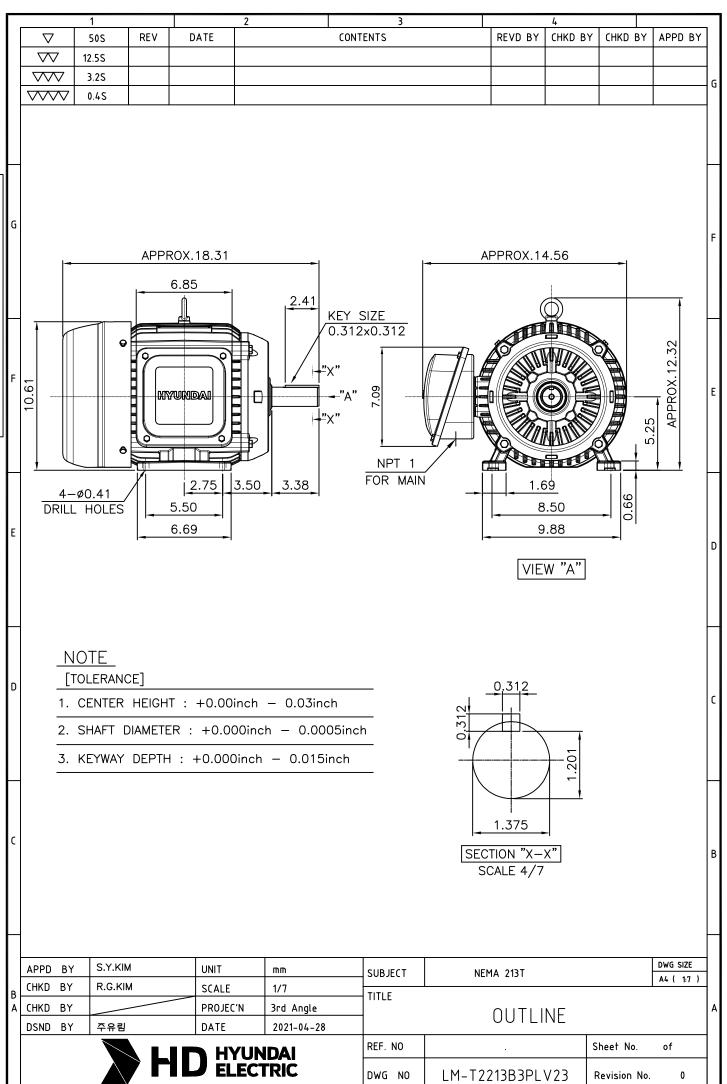
Motor moment of Inertia (J): 0.570 lb.ft2

5.5kW 7.5HP	4 P	60	Hz	
Speed at Full Load:		1775 RPM		
Rated Voltage	575V	460V	230V	
Full Load Current	7.8A	9.8A	19.6A	





RM-P251-133 A4(210mm x 297mm)



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