



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

SPECIFICATION for INDUCTION MOTOR



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



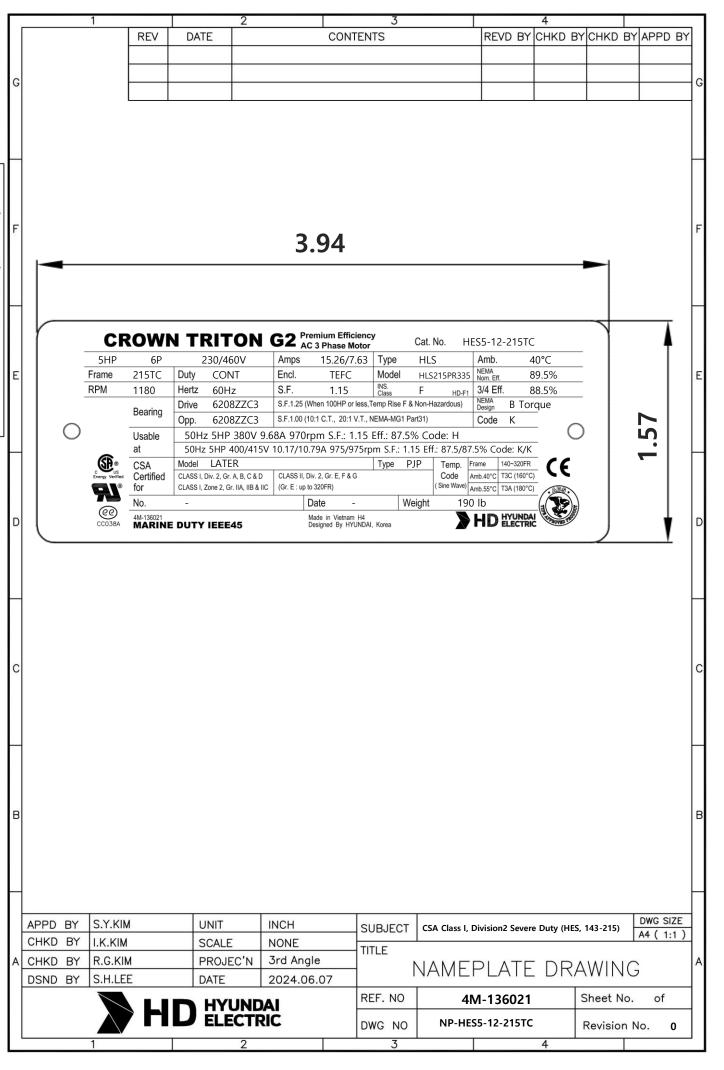
AC INDUCTION MOTOR DATA SHEET

					T	Т					
Catalog No		HES5-12	2-215TC		Item No.			Rev. No]	
Project Na			1 mx 0 x -		Project No.			Quantit		sets	
	GENERAL SI		ATION			PERFORMANCE DATA					
Frame Size 215TC			Rated Out		3.7 kW 5 HP						
Type		РЈР			Number of		6				
Enclosure(Protection) Totally Enclose					Rotor Type		Squirrel Cage				
Method of Cooling		IC411(FC)			Starting M		D.O.L 575 V 460 V 230			17	
Rated Frequency		60 Hz			Rated Volt	Full Load	6.10 A	7.63 A	15.26	V A	
Number of Phases Insulation Class		3 F			-1 ⊢	Locked-rotor**	680 %	680 %	680	%	
		-	nce method	1		Efficiency	Locked-folor**	080 %	080 %	000	70
Temp. Rise at full load (bat 1.0 S.F		80 deg. C			50% Load 86.5 %						
Motor Location		Indoo		Outdoor		1	75% Load	88.5 %			
Altitude		Less than				1	100% Load	89.5			
Relative H	umidity	Less than 80 %			Power Fac		0,10	,,,			
Ambient T		4		g. C (Max.)		50% Load	0.530			
Duty Type	<u> </u>	Continuo	ous (S1)	B. C (1.14.11	/	1	75% Load	0.630			
Service Fac	ctor	1.15	1 1			1	100% Load	0.680			
Mounting		B35				Speed at F					
	Type	Anti-Frio	ction			Torque		II.	1		
Bearing	DE/N-DE		C3 / 6208ZZ	ZC3			Full Load	22.1	lb.ft		
₆	Lubricant		Polyrex-EM			1	Locked-rotor**	170	%		
External T		Not appl	•	<u> </u>		_	Breakdown**	220			
Coupling N		✓ Direc		V-belt		Moment of			· ·		
Shaft Exter		Single				-	Load(Max.)	96.700	lb.ft2		
Terminal	Main	Cast Iron	1			_	Motor	1.234	lb.ft2		
Box	Aux.	No				Sound Pres	ssure Level (No	-load & mean v	value at 1m fro	m motor)	
	Location	Refer to	Outline Dra	awing		57 dB(A)					
Application		8		Vibration 3.8 mm/sec (peak)							
Area classi		Hazardous			Permissible number of Cold 3 times						
Type of Ex		Class I&II, Division 2			consecutiv		Hot 2	times			
Applicable			MG1, CSA			Paint	Munsell No.	4.0PB5.4/5.5	(VL-451)		
ACCESSO						SUBMITTAL DRAWING					
						Outline Dimension Drawing \ Motor Weight(Approx.)					
								X 3 4 F20156			
							B35	LM-T2215C	34PL V 23	190 lb.	
							B35	LM-12215C	APLV23	190 lb.	
							B35	LM-12215C	24PLV23	190 lb.	
							B35	LM-12215C	74PLV23	190 lb.	
						REMARK		LM-12215C	4PLV23	190 lb.	
										190 lb.	
						1. Premi		ccording to NE	MA MG1		
						1. Premi 2. Invert	um efficiency a	ccording to NE Service Factor &	MA MG1		
						1. Premi 2. Invert	um efficiency a er Duty @ 1.0 S VT (20:1 VT a	ccording to NE Service Factor &	MA MG1		
						1. Premi 2. Invert 10:1	um efficiency a er Duty @ 1.0 S VT (20:1 VT a CT	ccording to NE Service Factor & t 50% load)	MA MG1 & F Temperatu	re rise	
						1. Premi 2. Invert 10:1 10:1 CHF	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	re rise	
SPARE PA	ARTS					1. Premi 2. Invert 10:1 10:1 CHF 3. CSA 0	um efficiency a er Duty @ 1.0 S VT (20:1 VT a CT	ccording to NE Service Factor & t 50% load)	MA MG1 & F Temperatu EMA MG1 Pa	re rise	
SPARE PA	ARTS					1. Premi 2. Invert 10:1 10:1 CHF 3. CSA (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) s base speed, N	MA MG1 & F Temperatu EMA MG1 Pa & D	re rise	
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SPARE PA	ARTS					1. Premi 2. Invert 10:1 10:1 CHF 3. CSA 0 Clas Clas 4. Service	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 & Ond Temperature	MA MG1 & F Temperatu EMA MG1 Pa & D G (Group E : u) e rise B are app	re rise rt31 p to 320Fr.)	
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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.





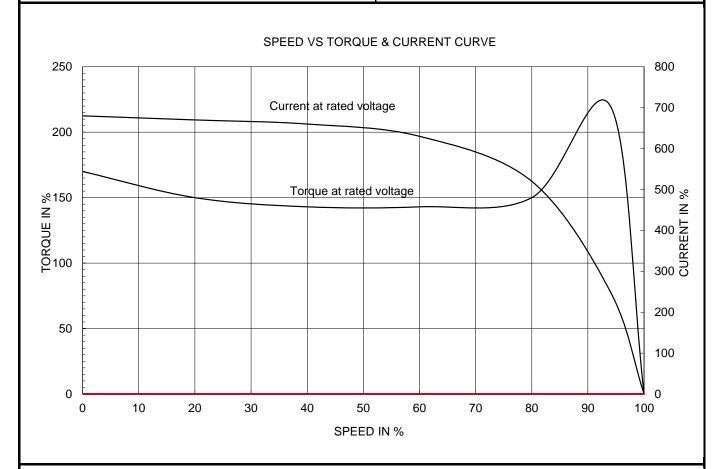
PERFORMANCE CURVE

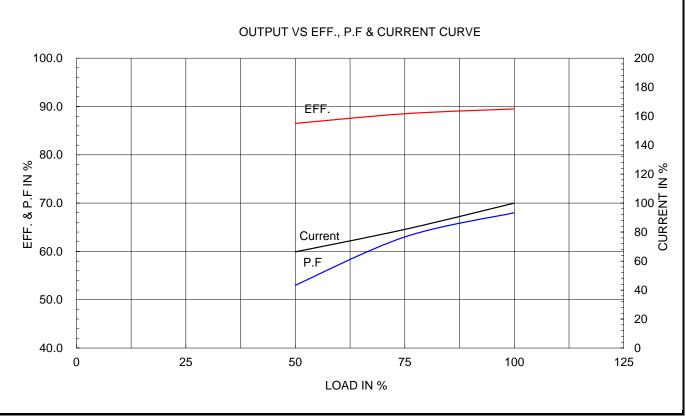
CURVE NO.

PC-HES5-12-215TC

Type:	PJP		
Full Load Torque:	22.1	lb.ft	
Load moment of Inertia (J):	96.700	lb.ft2	
Motor moment of Inertia (J):	1.234	lb.ft2	

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





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

