



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

SPECIFICATION for INDUCTION MOTOR



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



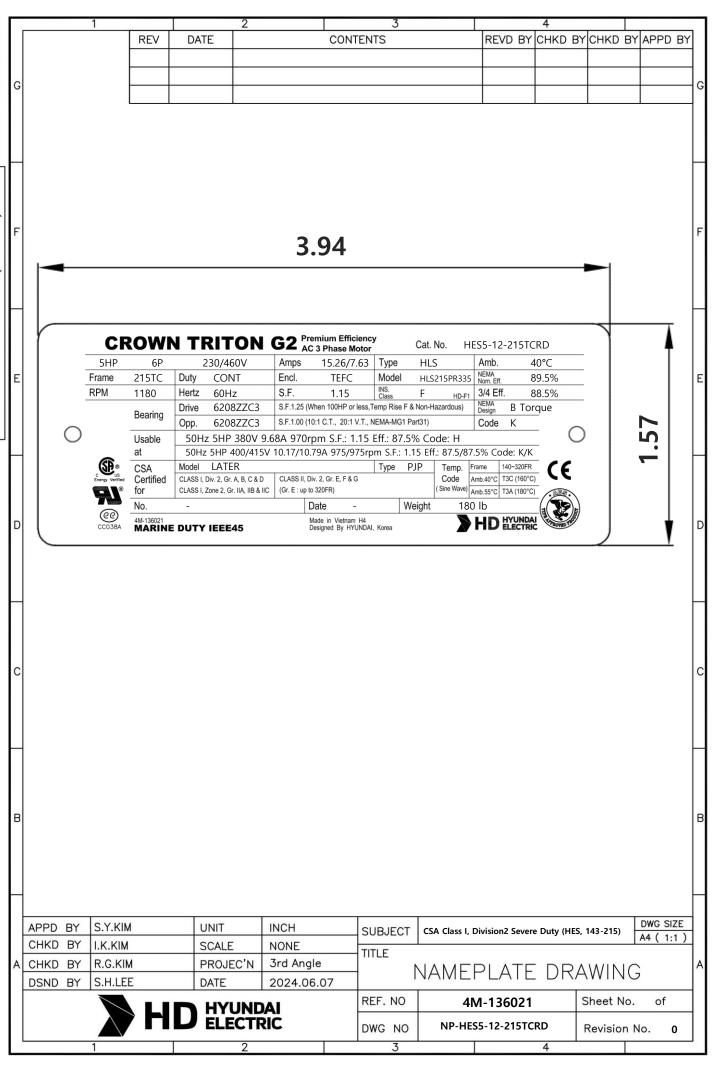
AC INDUCTION MOTOR DATA SHEET

Catalog No		HES5-12	2-215TCRD	Item No.			Rev. No]					
Project Name Project No.			Quantity sets											
GENERAL SPECIFICATION					PERFORMANCE DATA									
Frame Size		215TC			Rated Outp		3.7 kW 5 HP		5 HP					
Type		PJP	7 1 1 /	TD55	Number of		G : 1.C	6						
Enclosure(Protection)			Totally Enclosed / IP55		Rotor Type Squirrel Cage Starting Method* D.O.L									
Method of Cooling		IC411(FC)						230	V					
Rated Frequency		60 Hz		Rated Volt Current	Full Load	6.10 A	7.63 A	15.26	A					
Number of Phases Insulation Class		3 F			Locked-rotor**	680 %	680 %	680	%					
Temp. Rise at full load (l		<u>-</u>		Efficiency	Locked-folor**	080 % 080 % 080 9								
at 1.0 S.F		80 deg. C		50% Load 86.5 %										
Motor Location		□ Indoor □ Outdoor		-	75% Load	88.5 %								
Altitude		Less that				100% Load	89.5							
Relative H	Iumidity	Less that	· · · · · · · · · · · · · · · · · · ·	•	Power Fact		0,10	,,,						
Ambient T			0 deg. C (Max.)		50% Load	0.530							
Duty Type		Continue	ous (S1)			75% Load	0.630							
Service Fac		1.15		1	100% Load	0.680								
Mounting		B5		Speed at Fu	ıll Load	1180	r.p.m							
3	Type	Anti-Fri	ction		Torque		1							
Bearing	DE/N-DE	_	C3 / 6208ZZC3			Full Load	22.1	lb.ft						
	Lubricant		Polyrex-EM)]	Locked-rotor**	170	%						
External T	hrust	Not appl]	Breakdown**	220	%						
Coupling N	Method	✓ Direc		lt	Moment of	Inertia (J)								
Shaft Exter		Single			-	Load(Max.)	96.700	lb.ft2						
Terminal	Main	Cast Iron	1			Motor	1.234	lb.ft2						
Box	Aux.	No			Sound Pres	sure Level (No	-load & mean v	value at 1m fro	m motor)					
	Location	Refer to Outline Drawing		57 dB(A)										
Application	n			Vibration 3.8 mm/sec (peak)										
Area classi		Hazardous		Permissible number of Cold 3 times										
Type of Ex	x-Protection	Class I&II, Division 2		consecutive	estarts	Hot 2	times							
Applicable		NEMA I	MG1, CSA C390		Paint	Munsell No.	4.0PB5.4/5.5	(VL-451)						
ACCESSO	ORIES				SUBMITTAL DRAWING									
					Outline Dimension Drawing \ Motor Weight(Appr			t(Approx.)						
						B5	LM-T2215C	SPLV23	180 lb.					
					REMARK									
					1. Premium efficiency according to NEMA MG1									
					2. Inverter Duty @ 1.0 Service Factor & F Temperature rise									
						10:1 VT (20:1 VT at 50% load)								
					10:1	VT (20:1 VT a	t 50% load)			10:1 CT				
						•	t 50% load)							
					10:1	•	ŕ	EMA MG1 Pa	rt31					
					10:1 CHP	CT	ŕ	EMA MG1 Pa	rt31					
SPARE PA	ARTS				10:1 CHP 3. CSA 0	CT up to 1.5 times	s base speed, N		rt31					
SPARE PA	ARTS				10:1 CHP 3. CSA (CT up to 1.5 times Certification	s base speed, N. Group A, B, C	& D						
SPARE PA	ARTS				10:1 CHP 3. CSA (Class Class	CT up to 1.5 times Certification s I, Division 2,	s base speed, N. Group A, B, C. Group E, F & C.	& D G (Group E : u	p to 320Fr.)					
SPARE PA	ARTS				10:1 CHP 3. CSA (Class Class 4. Servic	CT up to 1.5 times Certification s I, Division 2, 6 s II, Division 2	s base speed, N Group A, B, C Group E, F & C nd Temperature	& D G (Group E : u e rise B are app	p to 320Fr.)					
SPARE PA	ARTS				10:1 CHP 3. CSA (Class Class 4. Servic under	CT up to 1.5 times Certification s I, Division 2, s II, Division 2 e Factor 1.15 an	s base speed, N Group A, B, C Group E, F & C nd Temperature f sine wave pov	& D G (Group E : u e rise B are app wer.	p to 320Fr.) plicable					
SPARE PA	ARTS				10:1 CHP 3. CSA (Class Class 4. Servic under 5. Servic	CT up to 1.5 times Certification s I, Division 2, s II, Division 2 e Factor 1.15 at the condition of	Group A, B, C Group E, F & C nd Temperature f sine wave pove	& D G (Group E : u e rise B are app wer. notors of 100F	p to 320Fr.) plicable					
SPARE PA	ARTS				10:1 CHP 3. CSA (Class Class 4. Servic under 5. Servic	CT up to 1.5 times Certification s I, Division 2, s II, Division 2 e Factor 1.15 at the condition of e Factor 1.25 is	Group A, B, C Group E, F & C nd Temperature f sine wave pove	& D G (Group E : u e rise B are app wer. notors of 100F	p to 320Fr.) plicable					
SPARE P	ARTS				10:1 CHP 3. CSA (Class Class 4. Servic under 5. Servic	CT up to 1.5 times Certification s I, Division 2, s II, Division 2 e Factor 1.15 at the condition of e Factor 1.25 is	Group A, B, C Group E, F & C nd Temperature f sine wave pove	& D G (Group E : u e rise B are app wer. notors of 100F	p to 320Fr.) plicable					
SPARE P	ARTS				10:1 CHP 3. CSA (Class Class 4. Servic under 5. Servic with to	ctrup to 1.5 times Certification s I, Division 2, s II, Division 2 e Factor 1.15 at the condition of the Factor 1.25 is emperature rise DSND	s base speed, N Group A, B, C Group E, F & C nd Temperature f sine wave pove applicable to 1 F & Non-Haza	& D G (Group E : u e rise B are app wer. motors of 100F ardous.	p to 320Fr.) blicable IP or less)				

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.





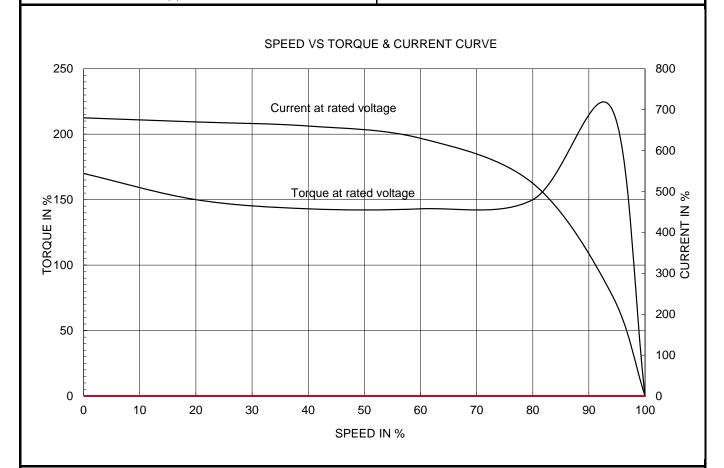
PERFORMANCE CURVE

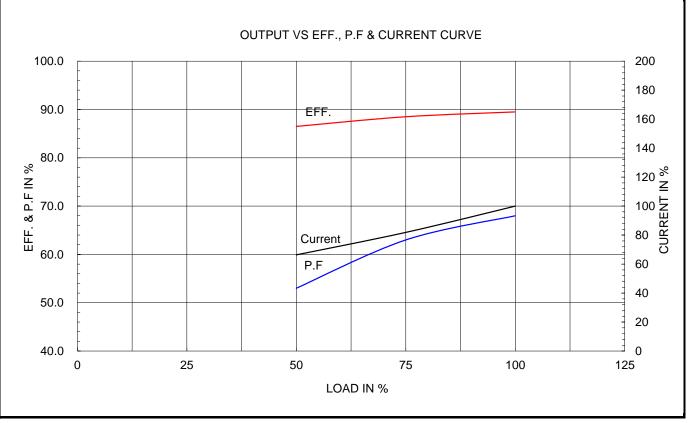
CURVE NO.

PC-HES5-12-215TCRD

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)

