

Customer :

Project Name :

Project No. :

Revision No. :

SPECIFICATION for INDUCTION MOTOR



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

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AC INDUCTION MOTOR DATA SHEET

Catalog No.	HES3-12-213/5JP	Item No.		Rev. No.	[]
Project Name		Project No.		Quantity	sets

GENERAL SPECIFICATION			PERFORMANCE DATA							
Frame Size		215JP		Rated Output		2.2 kW		3 HP		
Type		PJP		Number of Poles		6				
Enclosure(Protection)		Totally Enclosed / IP55		Rotor Type		Squirrel Cage				
Method of Cooling		IC411(FC)		Starting Method*		D.O.L				
Rated Frequency		60 Hz		Rated Voltage		575 V	460 V	230 V		
Number of Phases		3		Current	Full Load	3.68 A	4.60 A	9.21 A		
Insulation Class		F			Locked-rotor**	770 %	770 %	770 %		
Temp. Rise at full load (by resistance method)				Efficiency						
at 1.0 S.F		80 deg. C								
Motor Location		☐ Indoor ☐ Outdoor								
Altitude		Less than 1,000 meter								
Relative Humidity		Less than 80 %		Power Factor(p.u)						
Ambient Temp.		40 deg. C (Max.)								
Duty Type		Continuous (S1)								
Service Factor		1.15								
Mounting		B35		Speed at Full Load		1185 r.p.m				
Bearing	Type	Anti-Friction		Torque						
	DE/N-DE	6309ZZC3 / 6208ZZC3								
	Lubricant	Grease(Polyrex-EM)								
External Thrust		Not applicable		Moment of Inertia (J)						
Coupling Method		☒ Direct ☐ V-belt								
Shaft Extension		Single								
Terminal Box	Main	Cast Iron		Sound Pressure Level (No-load & mean value at 1m from motor)						
	Aux.	No								
	Location	Refer to Outline Drawing								
Application				Vibration		3.8 mm/s (peak)				
Area classification		Hazardous		Permissible number of consecutive starts		Cold	3 times			
Type of Ex-Protection		Class I&II, Division 2				Hot	2 times			
Applicable Standard		NEMA MG1, CSA C390		Paint	Munsell No.	4.0PB5.4/5.5(VL-451)				

ACCESSORIES	SUBMITTAL DRAWING
	Outline Dimension Drawing \ Motor Weight(Approx.)
	B35 LM-T2215C4JLV25 190 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 CT -. CHP up to 1.5 times base speed, NEMA MG1 Part31 3. CSA Certification -. Class I, Division 2, Group A, B, C & D -. Class II, Division 2 Group E, F & G (Group E : up to 320Fr.) 4. Service Factor 1.15 and Temperature rise B are applicable under the condition of sine wave power. 5. Service Factor 1.25 is applicable to motors of 100HP or less with temperature rise F & Non-Hazardous. 6. Temp. code : T3C(160°C) at sine wave
Date DSND CHKD CHKD APPD
2025-09-19 S.H. LEE I.K. KIM R.G. KIM S.W. 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 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.

Type : PJP

2.2kW 3HP 6 P 60 Hz

Full Load Torque : 13.08 lb.ft

Speed at Full Load : 1185 RPM

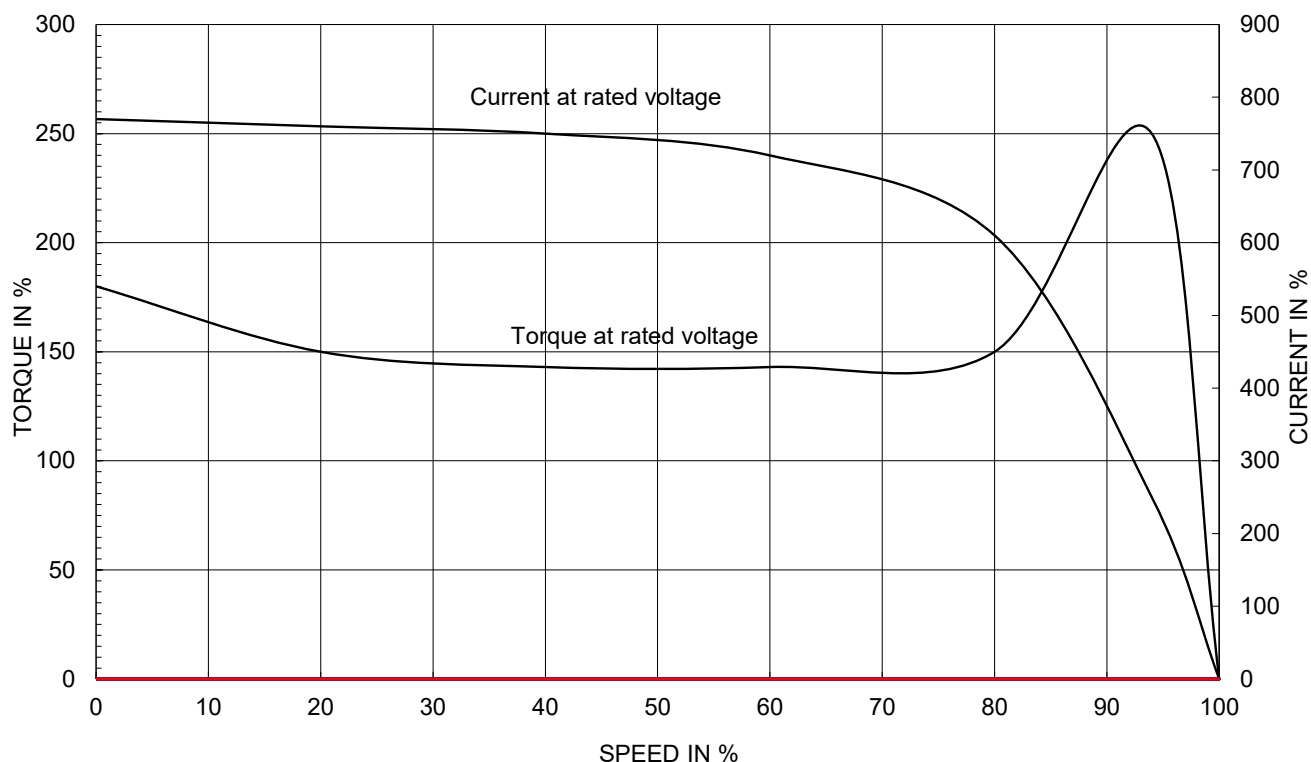
Load moment of Inertia (J) : 96.700 lb.ft²

Rated Voltage	575V	460V	230V
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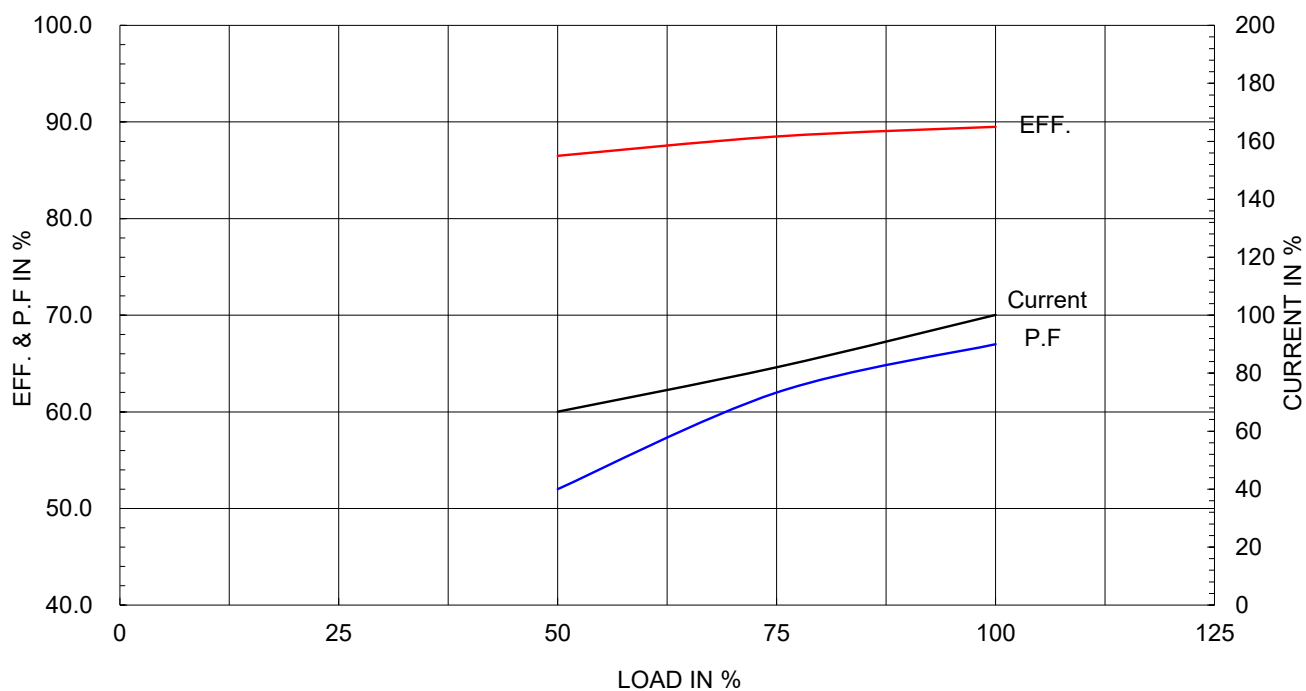
Motor moment of Inertia (J) : 1.234 lb.ft²

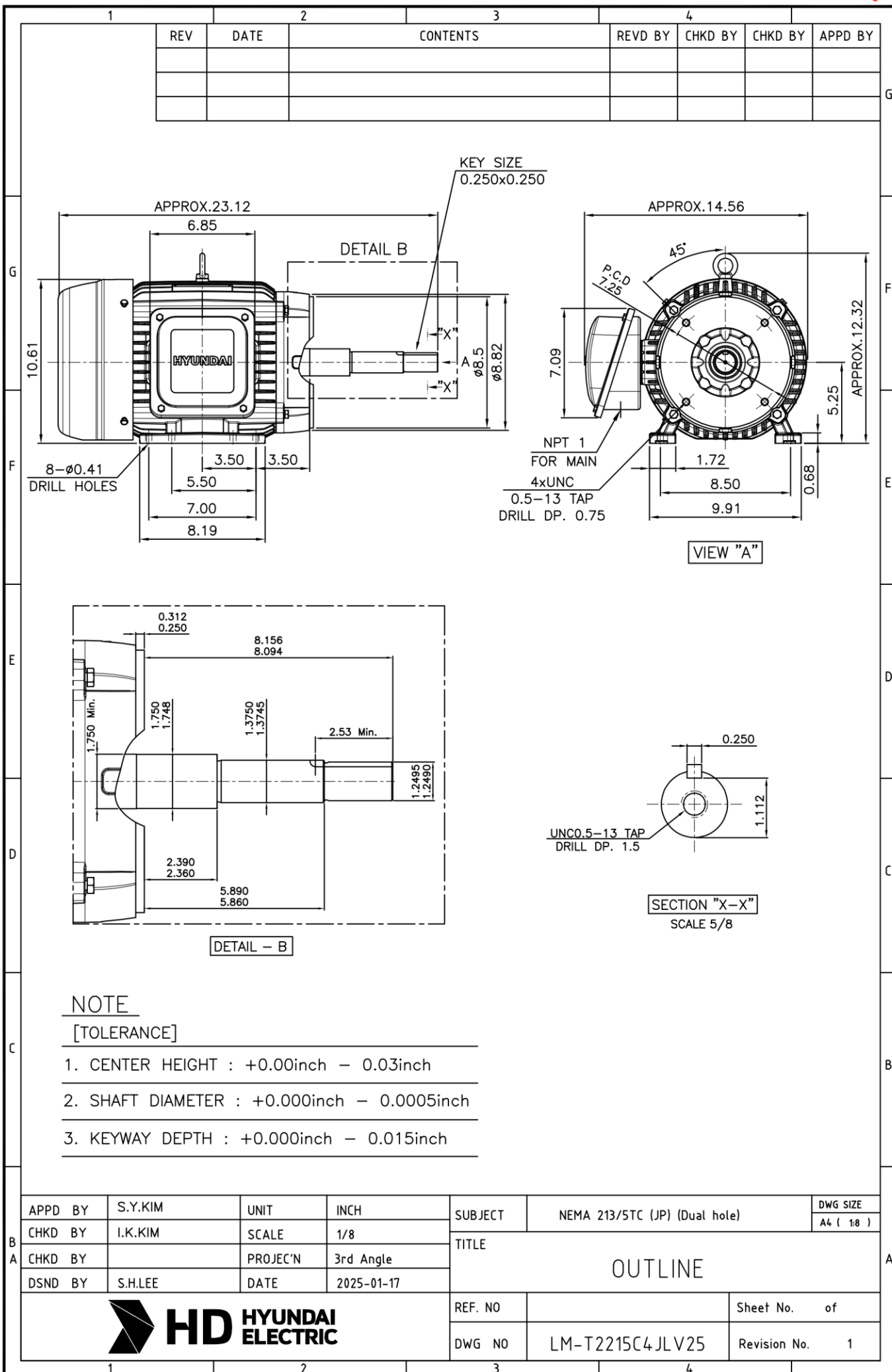
Full Load Current	3.68A	4.60A	9.21A
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SPEED VS TORQUE & CURRENT CURVE

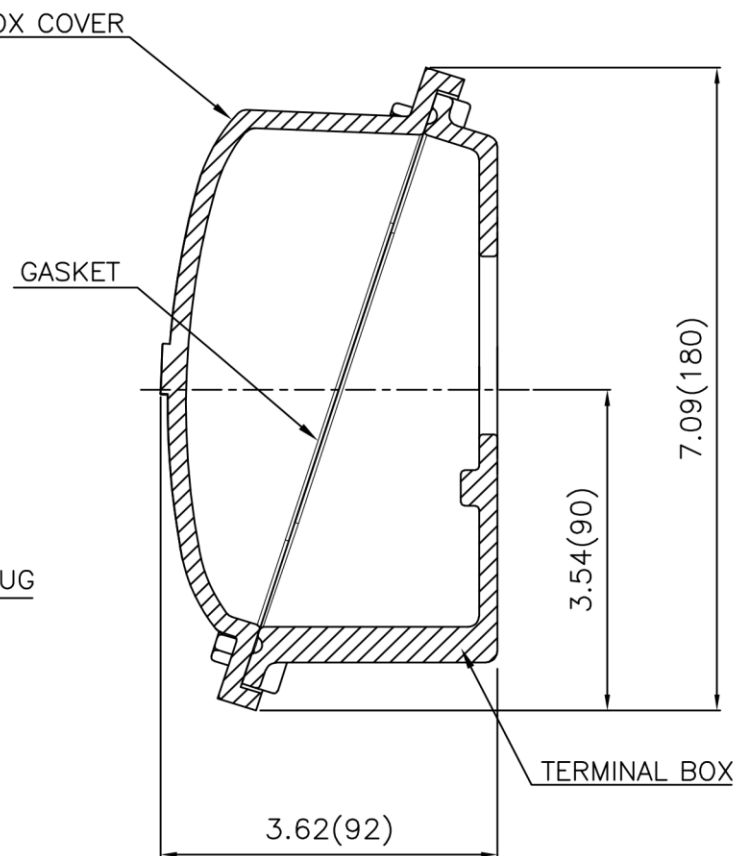
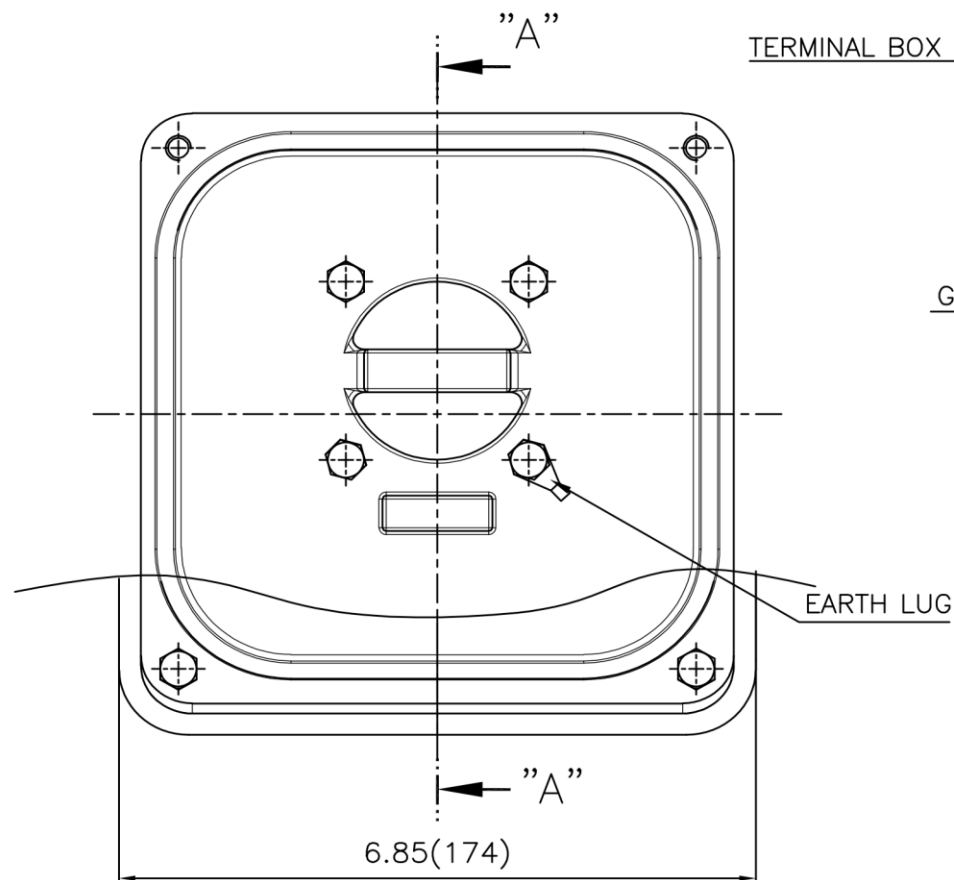


OUTPUT VS EFF., P.F & CURRENT CURVE





Cls. I&II, Div. 2
IEEE 841



SEC. "A"—"A"

A		50S
		12.5S
		3.2S
		0.4S

[illegible]

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			A3 (1:1.5)
CHKD	BY	R.G.KIM		PROJEC'N	3rd Angle			TERMINAL BOX ASS'Y		
DSND	BY	네솔의		DATE	2023-10-19					
 HD HYUNDAI ELECTRIC							REF. NO			Sheet No. of
							DWG NO	3M-248457		Revision No. 0
6		7		8		9				