

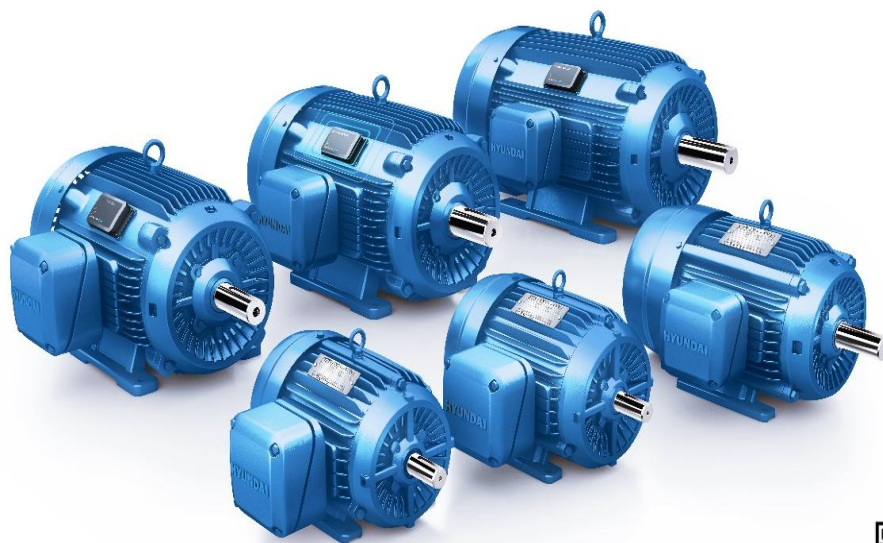
Customer :

Project Name :

Project No. :

Revision No. :

# SPECIFICATION for INDUCTION MOTOR



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

[www.hd-hyundaielectric.com](http://www.hd-hyundaielectric.com)

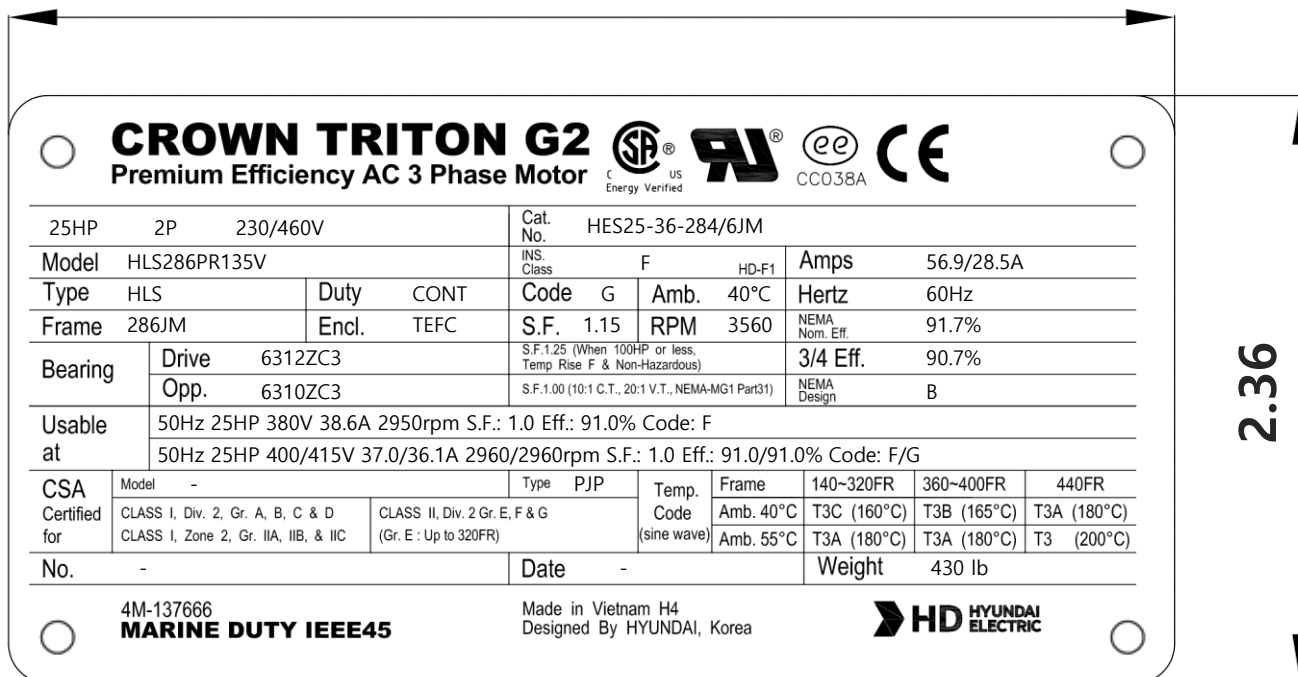


[Note] Others not mentioned in this data sheet shall be in accordance with maker standard.  
 Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.  
 Inspection and performance test shall be done according to maker standard, if not mentioned.  
 \* 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.

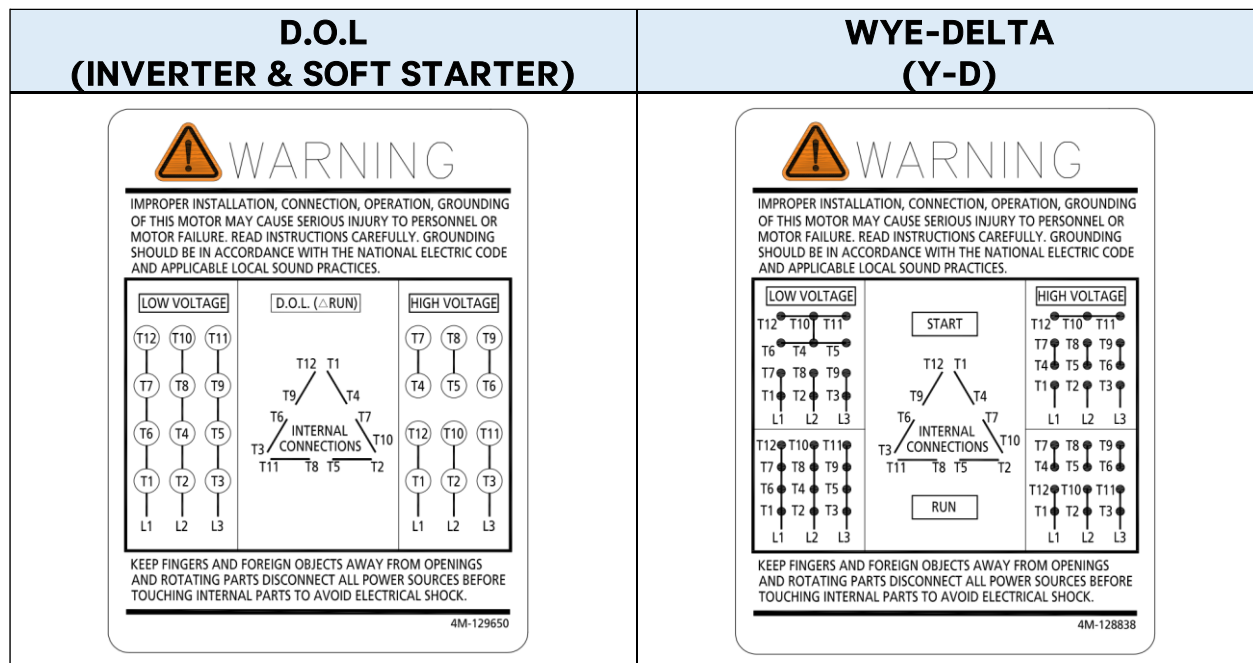
| 1   |      | 2        |  | 3 |         | 4       |         |         |
|-----|------|----------|--|---|---------|---------|---------|---------|
| REV | DATE | CONTENTS |  |   | REVD BY | CHKD BY | CHKD BY | APPD BY |
|     |      |          |  |   |         |         |         |         |
|     |      |          |  |   |         |         |         |         |
|     |      |          |  |   |         |         |         |         |

## ■ MAIN NAMEPLATE

## 4.72



## ■ WIRING DIAGRAM



|                                                                                                                                                       |         |          |            |                   |                                                          |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|------------|-------------------|----------------------------------------------------------|----------------|
| APPD BY                                                                                                                                               | S.Y.KIM | UNIT     | INCH       | SUBJECT           | CSA Class I, Division2 Severe Duty (HES, JM/JP, 254-326) | DWG SIZE       |
| CHKD BY                                                                                                                                               | I.K.KIM | SCALE    | NONE       |                   |                                                          | A4 ( 1:1 )     |
| CHKD BY                                                                                                                                               | R.G.KIM | PROJEC'N | 3rd Angle  |                   |                                                          |                |
| DSND BY                                                                                                                                               | S.H.LEE | DATE     | 2024.06.07 |                   |                                                          |                |
| <div><div><div>HD</div><div>HYUNDAI<br/>ELECTRIC</div></div></div> |         |          |            | TITLE             |                                                          |                |
|                                                                                                                                                       |         |          |            | NAMEPLATE DRAWING |                                                          |                |
|                                                                                                                                                       |         |          |            | REF. NO           | 4M-137666 / 4M-129650                                    | Sheet No. of   |
|                                                                                                                                                       |         |          |            | DWG NO            | NP-HES25-36-284/6JM                                      | Revision No. 0 |

Type : PJP

18.5kW 25HP

2 P

60 Hz

Full Load Torque : 36.61 lb.ft

Speed at Full Load : 3560 RPM

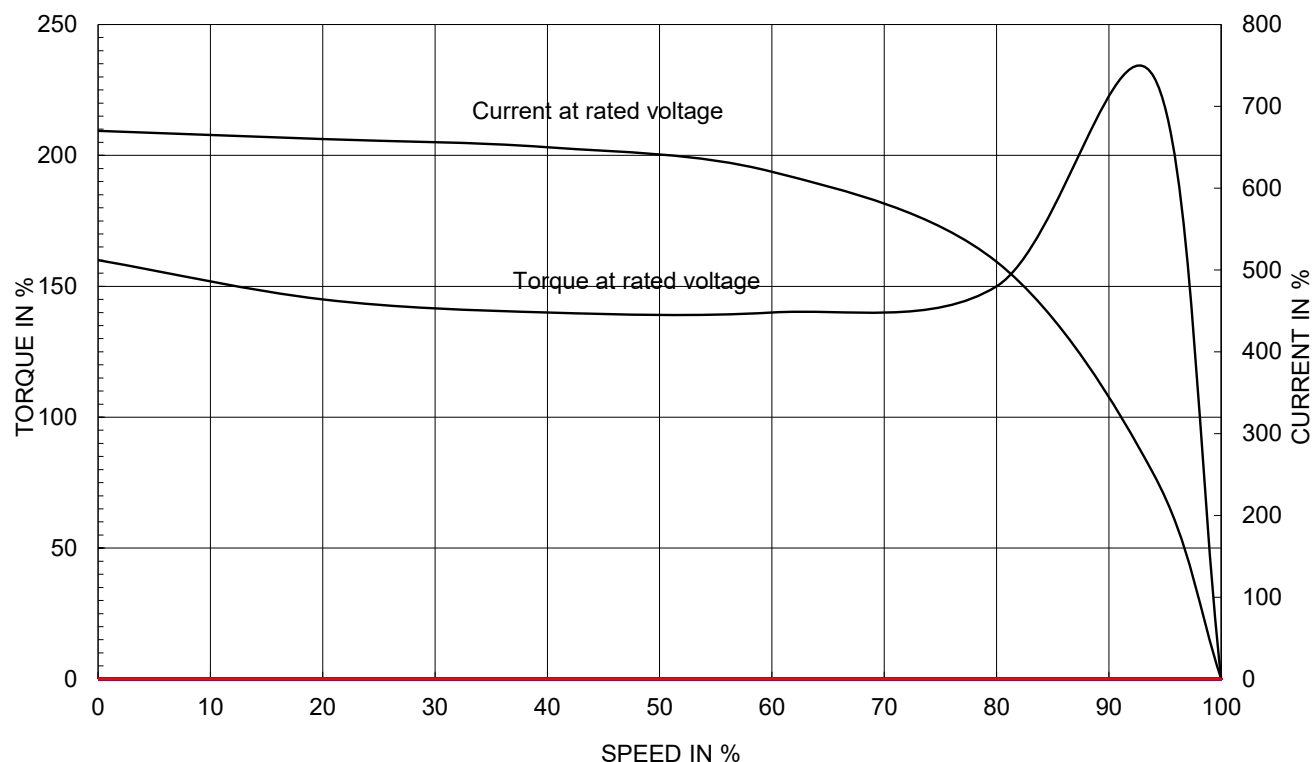
Load moment of Inertia (J) : 28.400 lb.ft<sup>2</sup>

|               |      |      |      |
|---------------|------|------|------|
| Rated Voltage | 575V | 460V | 230V |
|---------------|------|------|------|

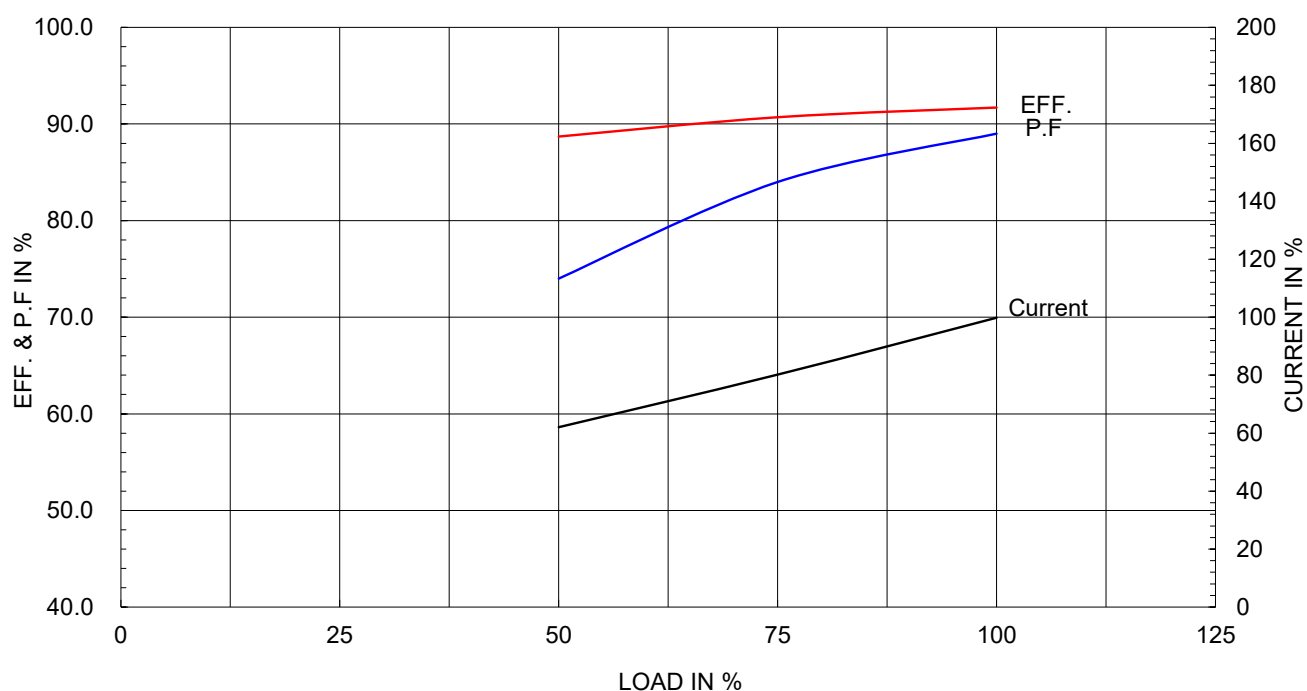
Motor moment of Inertia (J) : 2.089 lb.ft<sup>2</sup>

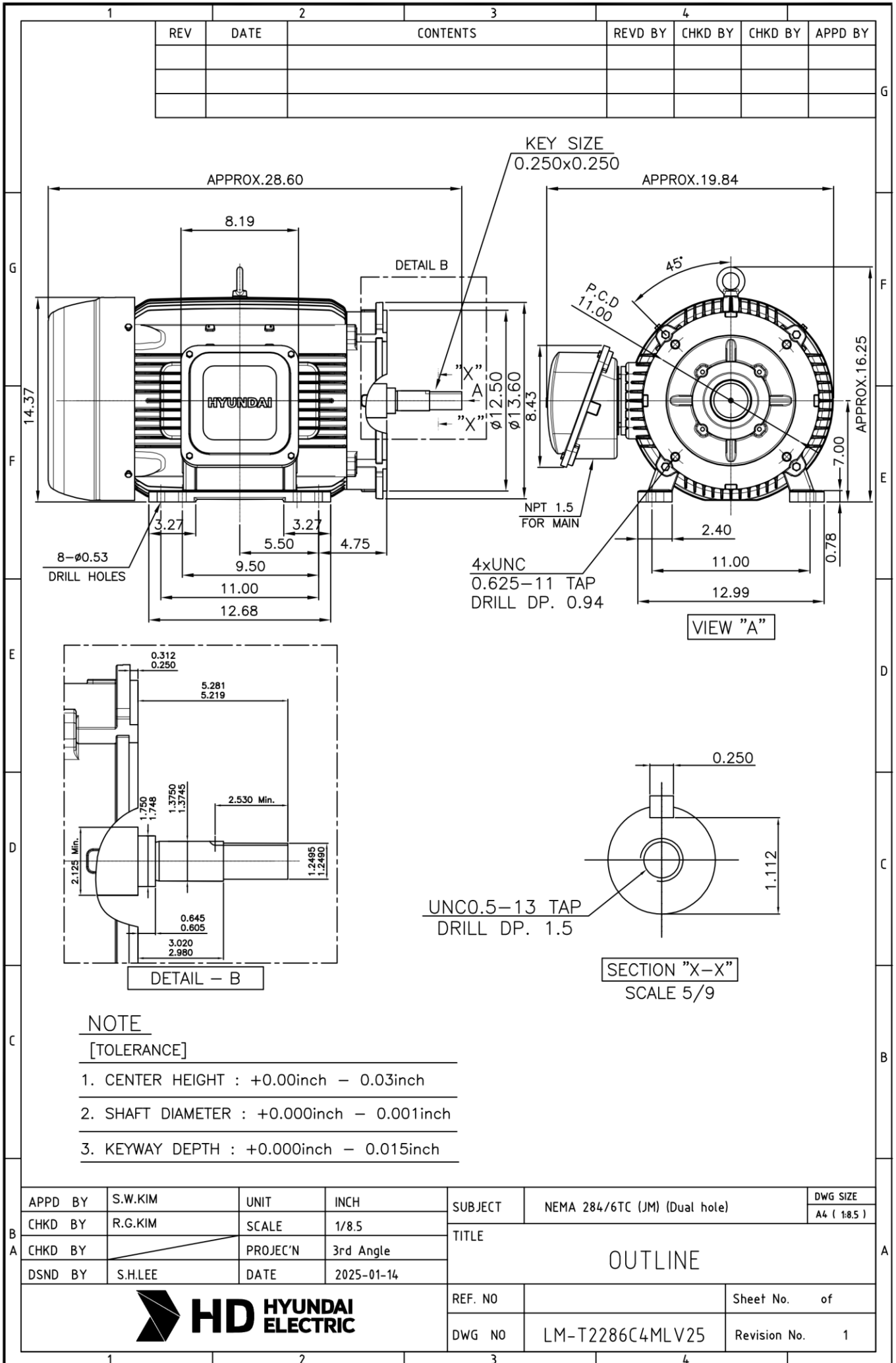
|                   |       |       |       |
|-------------------|-------|-------|-------|
| Full Load Current | 22.8A | 28.5A | 56.9A |
|-------------------|-------|-------|-------|

SPEED VS TORQUE &amp; CURRENT CURVE



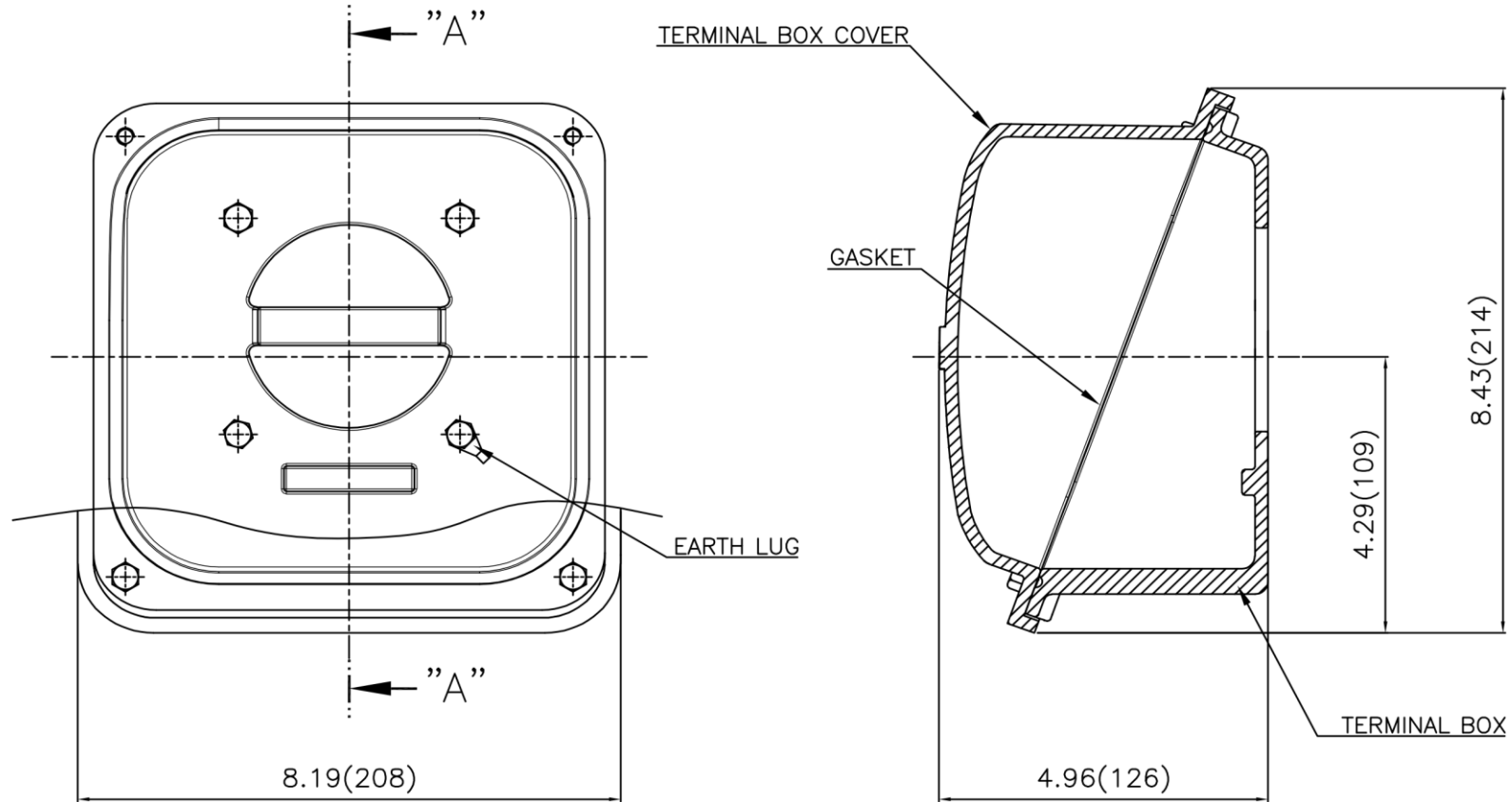
OUTPUT VS EFF., P.F &amp; CURRENT CURVE





# Cls. I&II, Div. 2

## IEEE 841



|      |       |
|------|-------|
| ▽    | 50S   |
| ▽▽   | 12.5S |
| ▽▽▽  | 3.2S  |
| ▽▽▽▽ | 0.4S  |

| REV | DATE | CONTENTS | REV'D BY | CHKD BY | CHKD BY | APPD BY |
|-----|------|----------|----------|---------|---------|---------|
| 1   |      |          |          |         |         |         |

| 일반가공공차 |      | 일반계관공차   |      |
|--------|------|----------|------|
| 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. 250-280 (CAST IRON) | DWG SIZE     |     |
| CHKD BY |             | SCALE    | 1/2        | TITLE   | TERMINAL BOX ASS'Y      | A3 (1:2)     |     |
| CHKD BY | R.G.KIM     | PROJEC'N | 3rd Angle  | REF. NO |                         | Sheet No.    | of  |
| DSND BY | 네슬의         | DATE     | 2023-10-19 | DWG NO  | 3M-248458               | Revision No. | 0   |

