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# Customer information packet

## EM3667T

1.5HP, 1170RPM, 3PH, 60HZ, 182T, 0630M, TEFC, F

Class - None

Division - Not Applicable

## Specifications

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Enclosure                      | TEFC                                                        |
| Frame                          | 182T                                                        |
| Frame Material                 | Iron                                                        |
| Frequency                      | 60.00 Hz                                                    |
| Haz Area Class and Group       | None                                                        |
| Haz Area Division              | Not Applicable                                              |
| Motor Letter Type              | Three Phase                                                 |
| Output @ Frequency             | 1.500 HP @ 60 HZ                                            |
| Phase                          | 3                                                           |
| Synchronous Speed @ Frequency  | 1200 RPM @ 60 HZ                                            |
| Voltage @ Frequency            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                          |
| Agency Approvals               | CSA EEV<br>CURUSEEV<br>NEMA PREMIUM<br>NEMA_PREMIUM<br>UR   |
| Ambient Temperature            | 40 °C                                                       |
| Auxiliary Box                  | NO AUXILLARY BOX                                            |
| Auxiliary Box Lead Termination | None                                                        |
| Base Indicator                 | Rigid                                                       |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                                     |
| Blower                         | None                                                        |
| Current @ Voltage              | 5.000 A @ 230.0 V<br>5.200 A @ 208.0 V<br>2.500 A @ 460.0 V |
| Design Code                    | B                                                           |
| Drip Cover                     | No Drip Cover                                               |
| Duty Rating                    | CONT                                                        |
| Efficiency @ 100% Load         | 87.5 %                                                      |
| Electrically Isolated Bearing  | Not Electrically Isolated                                   |
| Feedback Device                | NO FEEDBACK                                                 |

## Part detail

|              |            |
|--------------|------------|
| Revision     | N          |
| Type         | AC         |
| Mech. spec.  | 06C101     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 06WGW969   |
| Layout       | 06LYC101   |
| Eff. date    | 08-05-2024 |
| CD Diagram   | CD0005     |
| Poles        | 06         |
| Leads        | 9#16       |
| Proprietary  | False      |
| Created date | 12-02-2010 |

|                               |                       |
|-------------------------------|-----------------------|
| Front Face Code               | Standard              |
| Front Shaft Indicator         | None                  |
| Heater Indicator              | No Heater             |
| High Voltage Full Load Amps   | 2.5 a                 |
| Insulation Class              | F                     |
| Inverter Code                 | Inverter Ready        |
| IP Rating                     | NONE                  |
| KVA Code                      | K                     |
| Lifting Lugs                  | Standard Lifting Lugs |
| Locked Bearing Indicator      | No Locked Bearing     |
| Motor Lead Exit               | Ko Box                |
| Motor Lead Quantity/Wire Size | 9 @ 16 AWG            |
| Motor Lead Termination        | Flying Leads          |
| Motor Standards               | NEMA                  |
| Motor Type                    | 0630M                 |
| Mounting Arrangement          | F1                    |
| Number of Poles               | 6                     |
| Overall Length                | 15.24 IN              |
| Power Factor                  | 65                    |
| Product Family                | General Purpose       |
| Pulley End Bearing Type       | Ball                  |
| Pulley Face Code              | Standard              |
| Pulley Shaft Indicator        | Standard              |
| Rodent Screen                 | None                  |
| Service Factor                | 1.15                  |
| Shaft Diameter                | 1.125 IN              |
| Shaft Extension Location      | Pulley End            |
| Shaft Ground Indicator        | No Shaft Grounding    |
| Shaft Rotation                | Reversible            |
| Shaft Slinger Indicator       | No Slinger            |
| Speed                         | 1170 rpm              |
| Speed Code                    | Single Speed          |
| Starting Method               | Direct on line        |
| Thermal Device - Bearing      | None                  |

|                            |                     |
|----------------------------|---------------------|
| Thermal Device - Winding   | None                |
| Vibration Sensor Indicator | No Vibration Sensor |
| Winding Thermal 1          | None                |
| Winding Thermal 2          | None                |

## Nameplate

## NP3441LUA

|                              |              |      |     |     |              |       |    |   |   |       |
|------------------------------|--------------|------|-----|-----|--------------|-------|----|---|---|-------|
| CAT.NO.                      | EM3667T      |      |     |     |              |       |    |   |   |       |
| SPEC                         | 06C101W969G2 |      |     |     |              |       |    |   |   |       |
| HP                           | 1.5          |      |     |     |              |       |    |   |   |       |
| VOLTS                        | 230/460      |      |     |     |              |       |    |   |   |       |
| AMPS                         | 5/2.5        |      |     |     |              |       |    |   |   |       |
| RPM                          | 1170         |      |     |     |              |       |    |   |   |       |
| FRAME                        | 182T         |      | HZ  |     | 60           |       | PH |   | 3 |       |
| SF                           | 1.15         | CODE | K   | DES | B            | CLASS |    | F |   |       |
| NEMA NOM. EFF                | 87.5         |      | PF  | 65  |              |       |    |   |   |       |
| RATING                       | 40C AMB-CONT |      |     |     |              |       |    |   |   |       |
| CC                           | 010A         |      |     |     |              |       |    |   |   |       |
| ENCL                         | TEFC         | SER  |     |     |              |       |    |   |   |       |
| DE                           | 6206         |      | ODE |     | 6205         |       |    |   |   |       |
| VPWM INVERTER READY          |              |      |     |     | SFA 5.5/2.75 |       |    |   |   |       |
| CT6-60H(10:1)VT3-60H(20:1    |              |      |     |     |              |       |    |   |   |       |
| 50HZ 1.5HP 190/380V 5.8/2.9A |              |      |     |     |              |       |    |   |   | SF1.0 |

**Accessories**

| Part number | Description | Multiplier |
|-------------|-------------|------------|
| 36-1749     | C FACE KIT  | A8         |

**AC Induction Motor Performance Data**

Record # 31767

Typical performance - not guaranteed values

| Winding: 06WGW969-R001 |    |         | Type: 0630M                              |                     | Enclosure: TEFC         |                       |         |        |
|------------------------|----|---------|------------------------------------------|---------------------|-------------------------|-----------------------|---------|--------|
| Nameplate Data         |    |         | 460 V, 60 Hz:<br>High Voltage Connection |                     |                         |                       |         |        |
| Rated Output (HP)      |    | 1.5     | Full Load Torque                         |                     | 6.77 LB-FT              |                       |         |        |
| Volts                  |    | 230/460 | Start Configuration                      |                     | direct on line          |                       |         |        |
| Full Load Amps         |    | 5.0/2.5 | Breakdown Torque                         |                     | 24 LB-FT                |                       |         |        |
| R.P.M.                 |    | 1170    | Pull-up Torque                           |                     | 12.5 LB-FT              |                       |         |        |
| Hz                     | 60 | Phase   | 3                                        | Locked-rotor Torque |                         | 15.8 LB-FT            |         |        |
| NEMA Design Code       |    | B       | KVA Code                                 | K                   | Starting Current        |                       | 16.19 A |        |
| Service Factor (S.F.)  |    | 1.15    | No-load Current                          |                     | 1.63 A                  |                       |         |        |
| NEMA Nom. Eff.         |    | 87.5    | Power Factor                             |                     | 65                      | Line-line Res. @ 25°C |         | 7.34 Ω |
| Rating - Duty          |    | 40C     | AMB-CONT                                 |                     | Temp. Rise @ Rated Load |                       | 26°C    |        |
| S.F. Amps              |    |         | Temp. Rise @ S.F. Load                   |                     | 32°C                    |                       |         |        |

**Load Characteristics 460 V, 60 Hz, 1.5 HP**

| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor    | 27     | 44     | 56     | 65     | 69     | 73     | 67   |
| Efficiency      | 76.9   | 85     | 87.1   | 87.6   | 87     | 86     | 87.2 |
| Speed           | 1193.7 | 1186.9 | 1179.4 | 1171.7 | 1163.1 | 1152.9 | 1167 |
| Line amperes    | 1.7    | 1.9    | 2.18   | 2.51   | 2.92   | 3.38   | 2.76 |

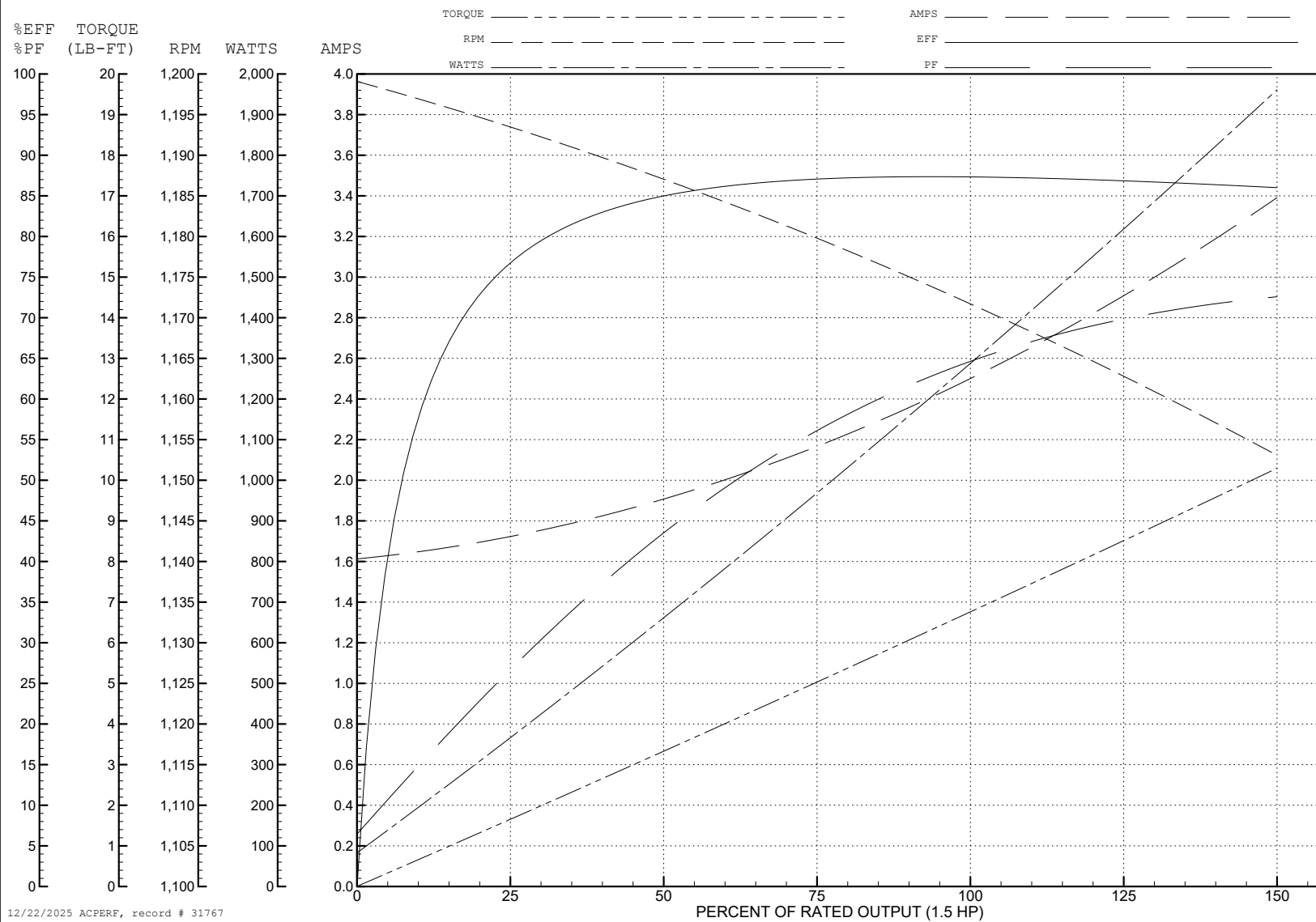
ABB Motors and Mechanical Inc.

WINDING # 06WGW969

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 0630M

TORQUES (LB-FT): PO=24 PU=12.5 LR=15.8 LRA=16.19



12/22/2025 ACPERF, record # 31767



