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# Customer information packet

## CECP4407T-4

200HP, 1785RPM, 3PH, 60HZ, 447TC, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | TEFC                    |
| Frame                         | 447TC                   |
| Frame Material                | Iron                    |
| Frequency                     | 60.00 Hz                |
| Haz Area Class and Group      | CL I GP A,B,C,D         |
| Haz Area Division             | Division II             |
| Motor Letter Type             | Three Phase             |
| Output @ Frequency            | 200.000 HP @ 60 HZ      |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 1800 RPM @ 60 HZ        |
| Voltage @ Frequency           | 460.0 V @ 60 HZ         |
| Agency Approvals              | CCSAUSEEV               |
| Ambient Temperature           | 40 °C                   |
| Auxiliary Box                 | NO AUXILLARY BOX        |
| Base Indicator                | Rigid                   |
| Bearing Grease Type           | Polyrex EM (-20F +300F) |
| Constant Torque Speed Range   | 30-60                   |
| Current @ Voltage             | 222.000 A @ 460.0 V     |
| Design Code                   | B                       |
| Drip Cover                    | No Drip Cover           |
| Duty Rating                   | CONT                    |
| Efficiency @ 100% Load        | 96.2 %                  |
| Feedback Device               | NO FEEDBACK             |
| Haz Area Temp Code            | T3                      |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 222.0 a                 |
| Insulation Class              | F                       |
| Inverter Code                 | Inverter Ready          |
| KVA Code                      | G                       |
| Lifting Lugs                  | Standard Lifting Lugs   |
| Motor Lead Quantity/Wire Size | 6 @ 1/0 AWG             |
| Motor Standards               | NEMA                    |

## Part detail

|              |                        |
|--------------|------------------------|
| Revision     | S                      |
| Type         | AC                     |
| Mech. spec.  |                        |
| Base         |                        |
| Status       | PRD/A                  |
| Elec. spec.  | A44WG0690              |
| Layout       | 617427-014             |
| Eff. date    | 12-27-2024             |
| CD Diagram   | 416820-036             |
| Poles        | 04                     |
| Leads        | 3#1/0 (02 per group) Y |
| Proprietary  | False                  |
| Created date | 02-08-2014             |

|                                 |                    |
|---------------------------------|--------------------|
| <b>Motor Type</b>               | A44120M            |
| <b>Mounting Arrangement</b>     | F1                 |
| <b>Number of Poles</b>          | 4                  |
| <b>Overall Length</b>           | 48.24 IN           |
| <b>Power Factor</b>             | 87                 |
| <b>Product Family</b>           | General Industrial |
| <b>Pulley End Bearing Type</b>  | Ball               |
| <b>Pulley Face Code</b>         | C-Face             |
| <b>Service Factor</b>           | 1.15               |
| <b>Shaft Diameter</b>           | 3.375 IN           |
| <b>Shaft Ground Indicator</b>   | No Shaft Grounding |
| <b>Shaft Rotation</b>           | Reversible         |
| <b>Shaft Slinger Indicator</b>  | No Slinger         |
| <b>Speed</b>                    | 1785 rpm           |
| <b>Speed Code</b>               | Single Speed       |
| <b>Starting Method</b>          | Direct on line     |
| <b>Thermal Device - Bearing</b> | None               |
| <b>Thermal Device - Winding</b> | None               |

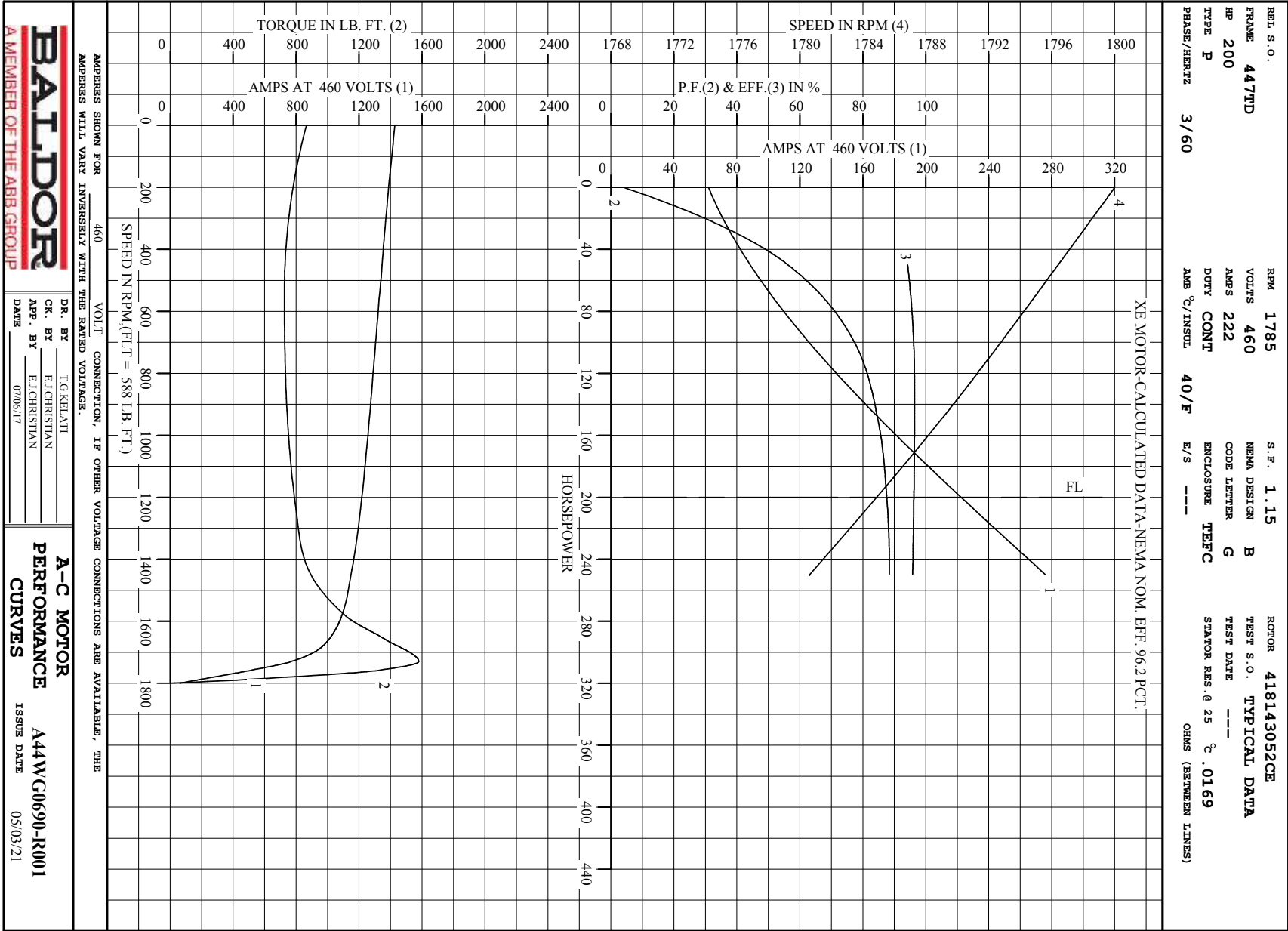
**Nameplate**

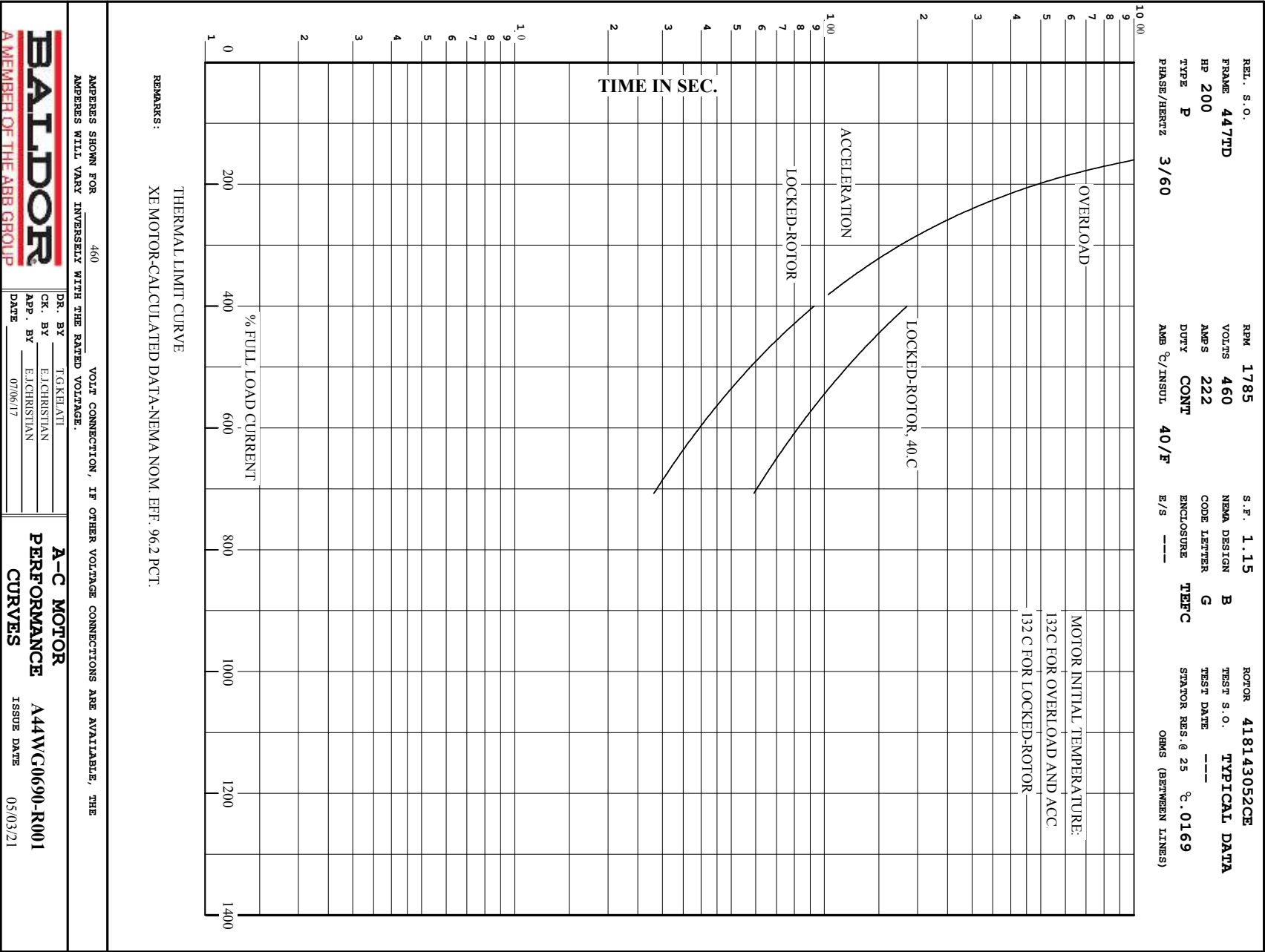
|                  |  |
|------------------|--|
| NP2496L          |  |
| EXXON POLYREX EM |  |
|                  |  |

## NP3238

|                    |             |        |                 |              |       |               |      |                       |                     |      |      |             |   |
|--------------------|-------------|--------|-----------------|--------------|-------|---------------|------|-----------------------|---------------------|------|------|-------------|---|
| CAT NO             | CECP4407T-4 |        |                 | SPEC NO.     |       | A44-5431-2876 |      |                       |                     |      |      |             |   |
| HP                 | 200         | AMPS   | 222             | VOLTS        |       | 460           |      | DESIGN                | B                   |      |      |             |   |
| FRAME              | 447TC       | RPM    | 1785            | HZ           | 60    | AMB           | 40   | SF                    | 1.15                |      |      |             |   |
| D.E. BRG.DATA      | 6318        |        | O.D.E. BRG.DATA |              |       | 6318          |      | PH                    | 3                   | DUTY | CONT | INSUL.CLASS | F |
| D.E. BRG.          | 90BC03J30X  |        |                 | TYPE         | P     | ENCL          | TEFC | CODE                  | G                   |      |      |             |   |
| O.D.E. BRG.        | 90BC03J30X  |        |                 | POWER FACTOR |       |               | 87   |                       | NEMA NOM EFFICIENCY |      |      | 96.2        |   |
| 3/4 LOAD EFF.      | 96.5        |        | MAX CORR KVAR   |              |       | 32.0          |      | GUARANTEED EFFICIENCY |                     |      | 95.4 |             |   |
| TEMP CODE          | T3          | TEMP = |                 | 200          |       |               |      |                       |                     |      |      |             |   |
| CHP HZ             | 60-90       | CT HZ  | 30-60           |              | VT HZ | 0-60          |      |                       |                     |      |      |             |   |
| INVERTER-TEMP-CODE | T3          |        |                 |              |       |               |      |                       |                     |      |      |             |   |
| SER.NO.            |             |        |                 | MOTOR WEIGHT |       |               |      |                       |                     |      |      |             |   |

|                                                                                                                                            |             |                   |                       |                                                                        |                 |       |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|-----------------------|------------------------------------------------------------------------|-----------------|-------|
| REL.<br>S. O.                                                                                                                              | FRAME       | HP                | TYPE                  | PHASE/<br>HERTZ                                                        | RPM             | VOLTS |
|                                                                                                                                            | 447TD       | 200               | P                     | 3/60                                                                   | 1785            | 460   |
|                                                                                                                                            |             |                   |                       |                                                                        |                 |       |
| AMPS                                                                                                                                       | DUTY        | AMB °C/<br>INSUL. | S. F.                 | NEMA<br>DESIGN                                                         | CODE<br>LETTER  | ENCL. |
| 222                                                                                                                                        | CONT        | 40/F              | 1.15                  | B                                                                      | G               | TEFC  |
|                                                                                                                                            |             |                   |                       |                                                                        |                 |       |
| E/S                                                                                                                                        | ROTOR       | TEST<br>S. O.     | TEST<br>DATE          | STATOR RES. @25 °C<br>OHMS (BETWEEN LINES)                             |                 |       |
| ---                                                                                                                                        | 418143052CE | ---               | ---                   | .0169                                                                  |                 |       |
| PERFORMANCE                                                                                                                                |             |                   |                       |                                                                        |                 |       |
| LOAD                                                                                                                                       | HP          | AMPERES           | RPM                   | %<br>POWER FACTOR                                                      | %<br>EFFICIENCY |       |
| NO LOAD                                                                                                                                    | 0           | 62.0              | 1800                  | 4.07                                                                   | 0               |       |
| 1/4                                                                                                                                        | 50.0        | 88.3              | 1796                  | 56.3                                                                   | 94.3            |       |
| 2/4                                                                                                                                        | 100         | 126               | 1793                  | 77.4                                                                   | 96.2            |       |
| 3/4                                                                                                                                        | 150         | 172               | 1789                  | 84.8                                                                   | 96.4            |       |
| 4/4                                                                                                                                        | 200         | 222               | 1785                  | 87.6                                                                   | 96.2            |       |
| 5/4                                                                                                                                        | 250         | 276               | 1781                  | 88.4                                                                   | 95.8            |       |
|                                                                                                                                            |             |                   |                       |                                                                        |                 |       |
| SPEED TORQUE                                                                                                                               |             |                   |                       |                                                                        |                 |       |
|                                                                                                                                            |             | RPM               | TORQUE<br>% FULL LOAD | TORQUE<br>LB.-FT.                                                      | AMPERES         |       |
| LOCKED ROTOR                                                                                                                               | 0           |                   | 147                   | 865                                                                    | 1428            |       |
| PULL UP                                                                                                                                    | 540         |                   | 123                   | 726                                                                    | 1332            |       |
| BREAKDOWN                                                                                                                                  | 1730        |                   | 268                   | 1579                                                                   | 770             |       |
| FULL LOAD                                                                                                                                  | 1785        |                   | 100                   | 588                                                                    | 222             |       |
| AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE |             |                   |                       |                                                                        |                 |       |
| REMARKS: TYPICAL DATA<br>XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 96.2 PCT.                                                                 |             |                   |                       |                                                                        |                 |       |
| <br>A MEMBER OF THE ABB GROUP                             |             |                   |                       | A-C MOTOR<br>PERFORMANCE DATA<br>A44WG0690-R001<br>ISSUE DATE 05/03/21 |                 |       |







## DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

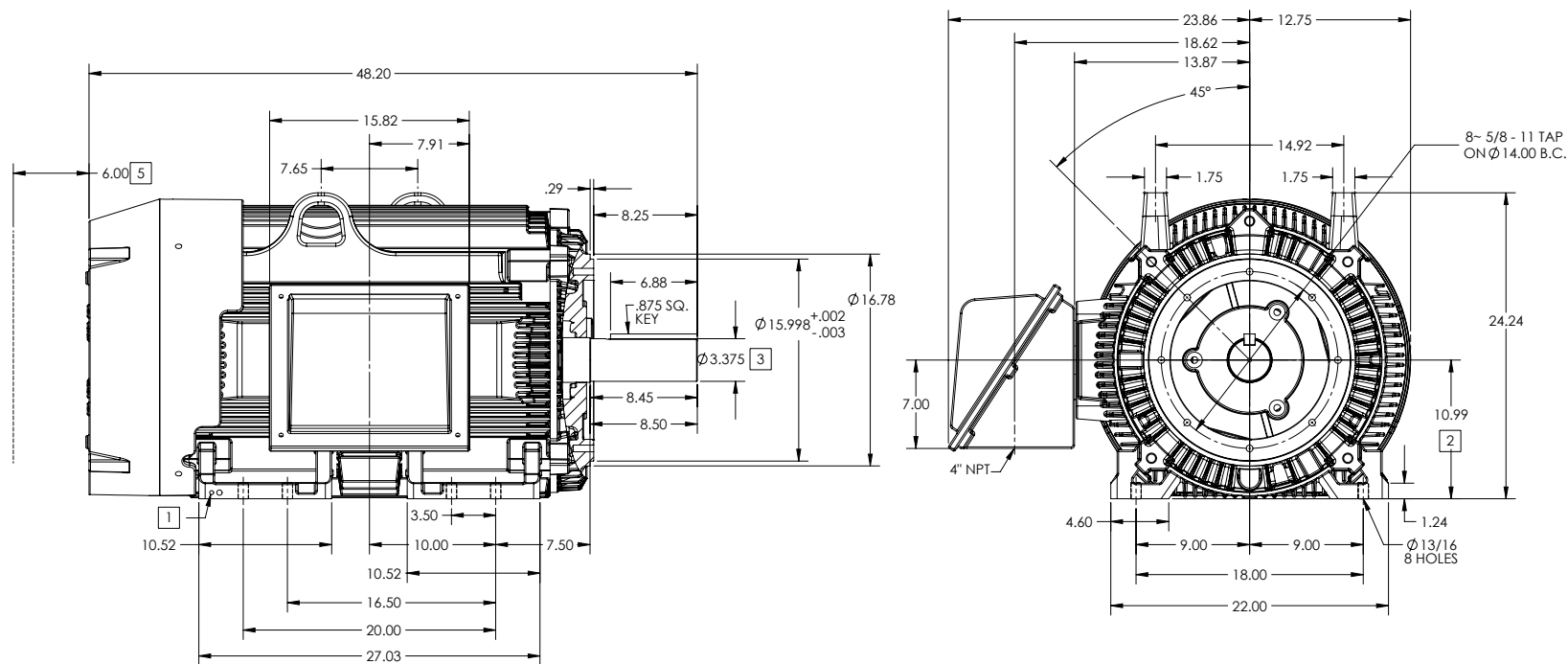
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447TC ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT, NEMA "C" FACE

INCLUDES 445TC FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00, -.06
3. VARIES +.000, -.001
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET.

FACE RUNOUT AND ECCENTRICITY = .007 T.I.R. MAX

[4] WEIGHT (LBS): 2515

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF  
STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER  
1 OF 1

F10-17427-014

| REV. DESC: ADD AK TOL. & NOTE FOR FACE RUNOUT / ECCENTRICITY |             |                              |                   |
|--------------------------------------------------------------|-------------|------------------------------|-------------------|
| REV: D                                                       | VERSION: 04 | REVISED: 02-30-26 04/20/2021 | TDR: 000001166213 |
| MODEL NO. 617427-014                                         |             | REF:                         |                   |
| BY: RAGGDM                                                   |             | Material:                    |                   |

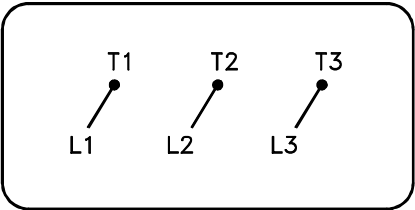
**BALDOR**

G447TC/445TC STD - FOOTED - SIDE/CENTER C/B

617427-014

416820-036

A-C MOTOR  
CONNECTION DIAGRAM  
STANDARD 3 LEAD                      CONNECTED



(N.P. 1575-BA)

416820-036

|                                      |             |                                |
|--------------------------------------|-------------|--------------------------------|
| REV. DESC: LOADED TO BUS, C/R 335225 |             |                                |
| REV. LTR: -                          | VERSION: 00 | TDR: 000000538207              |
| FILE: \MGA\00000\682                 |             | REVISED: 11: 54: 06 04/30/2010 |
| MTL: -                               |             | BY: RAGRA                      |

**BALDOR**

CONN DIAG - STANDARD 3 LEAD  
SH 1 of 1