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# Customer information packet

## CECP84312T-4

50HP, 1185RPM, 3PH, 60HZ, 365TC, A3668M, TEFC

Class - None

Division - Division II

## Specifications

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Enclosure                     | TEFC                                            |
| Frame                         | 365TC                                           |
| Frame Material                | Iron                                            |
| Frequency                     | 60.00 Hz                                        |
| Haz Area Class and Group      | None                                            |
| Haz Area Division             | Division II                                     |
| Motor Letter Type             | Three Phase                                     |
| Output @ Frequency            | 50.000 HP @ 60 HZ                               |
| Phase                         | 3                                               |
| Synchronous Speed @ Frequency | 1200 RPM @ 60 HZ                                |
| Voltage @ Frequency           | 460.0 V @ 60 HZ                                 |
| Agency Approvals              | CCSAUSEEV<br>NEMA PREMIUM<br>NEMA_PREMIUM<br>UR |
| Ambient Temperature           | 40 °C                                           |
| Auxiliary Box                 | NO AUXILLARY BOX                                |
| Base Indicator                | Rigid                                           |
| Bearing Grease Type           | Polyrex EM (-20F +300F)                         |
| Constant Torque Speed Range   | 6-60                                            |
| Current @ Voltage             | 62.000 A @ 460.0 V                              |
| Design Code                   | B                                               |
| Drip Cover                    | No Drip Cover                                   |
| Duty Rating                   | CONT                                            |
| Efficiency @ 100% Load        | 94.1 %                                          |
| Enclosure Modification        | 841                                             |
| Feedback Device               | NO FEEDBACK                                     |
| Heater Indicator              | No Heater                                       |
| High Voltage Full Load Amps   | 62.0 a                                          |
| Insulation Class              | B                                               |
| Inverter Code                 | Inverter Ready                                  |
| KVA Code                      | G                                               |

## Part detail

|              |            |
|--------------|------------|
| Revision     | D          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | A36WG4275  |
| Layout       | 617428-620 |
| Eff. date    | 08-26-2024 |
| CD Diagram   | 416820-036 |
| Poles        | 06         |
| Leads        | 3#4 Y      |
| Proprietary  | False      |
| Created date | 05-30-2023 |

| Lifting Lugs                  | Standard Lifting Lugs |
|-------------------------------|-----------------------|
| Max Speed                     | 1800 rpm              |
| Motor Lead Quantity/Wire Size | 3 @ 4 AWG             |
| Motor Standards               | NEMA                  |
| Motor Type                    | A3668M                |
| Mounting Arrangement          | F1                    |
| Number of Poles               | 6                     |
| Overall Length                | 33.48 IN              |
| Power Factor                  | 81                    |
| Product Family                | General Industrial    |
| Pulley End Bearing Type       | Ball                  |
| Pulley Face Code              | C-Face                |
| Service Factor                | 1.15                  |
| Shaft Diameter                | 2.375 IN              |
| Shaft Ground Indicator        | No Shaft Grounding    |
| Shaft Rotation                | Reversible            |
| Shaft Slinger Indicator       | No Slinger            |
| Speed                         | 1185 rpm              |
| Speed Code                    | Single Speed          |
| Starting Method               | Direct on line        |
| Thermal Device - Bearing      | None                  |
| Thermal Device - Winding      | None                  |

Nameplate

| NP4333                    |  |                  |  |               |  |            |  |   |  |
|---------------------------|--|------------------|--|---------------|--|------------|--|---|--|
| CAT #                     |  | CECP84312T-4     |  | ROTOR BARS    |  | 55         |  |   |  |
| SPEC                      |  | A36-9122-4275    |  | STATOR SLOTS  |  | 72         |  |   |  |
| SER                       |  |                  |  | MAX CORR KVAR |  | 15.8       |  |   |  |
| GREASE                    |  | POLYREX EM       |  |               |  |            |  |   |  |
| ABMA DE BRG               |  | 65BC03J30X       |  | ODE           |  | 65BC03J30X |  |   |  |
|                           |  | SFA 71           |  |               |  |            |  |   |  |
|                           |  |                  |  |               |  |            |  |   |  |
|                           |  |                  |  |               |  |            |  |   |  |
| SPACE HEATER LEADS H1-H2: |  | TIE LIKE NUMBERS |  | TOGETHER      |  |            |  |   |  |
| MAX. SPACE HEATER TEMP.   |  | C                |  | V             |  | A          |  | W |  |

## NP4388

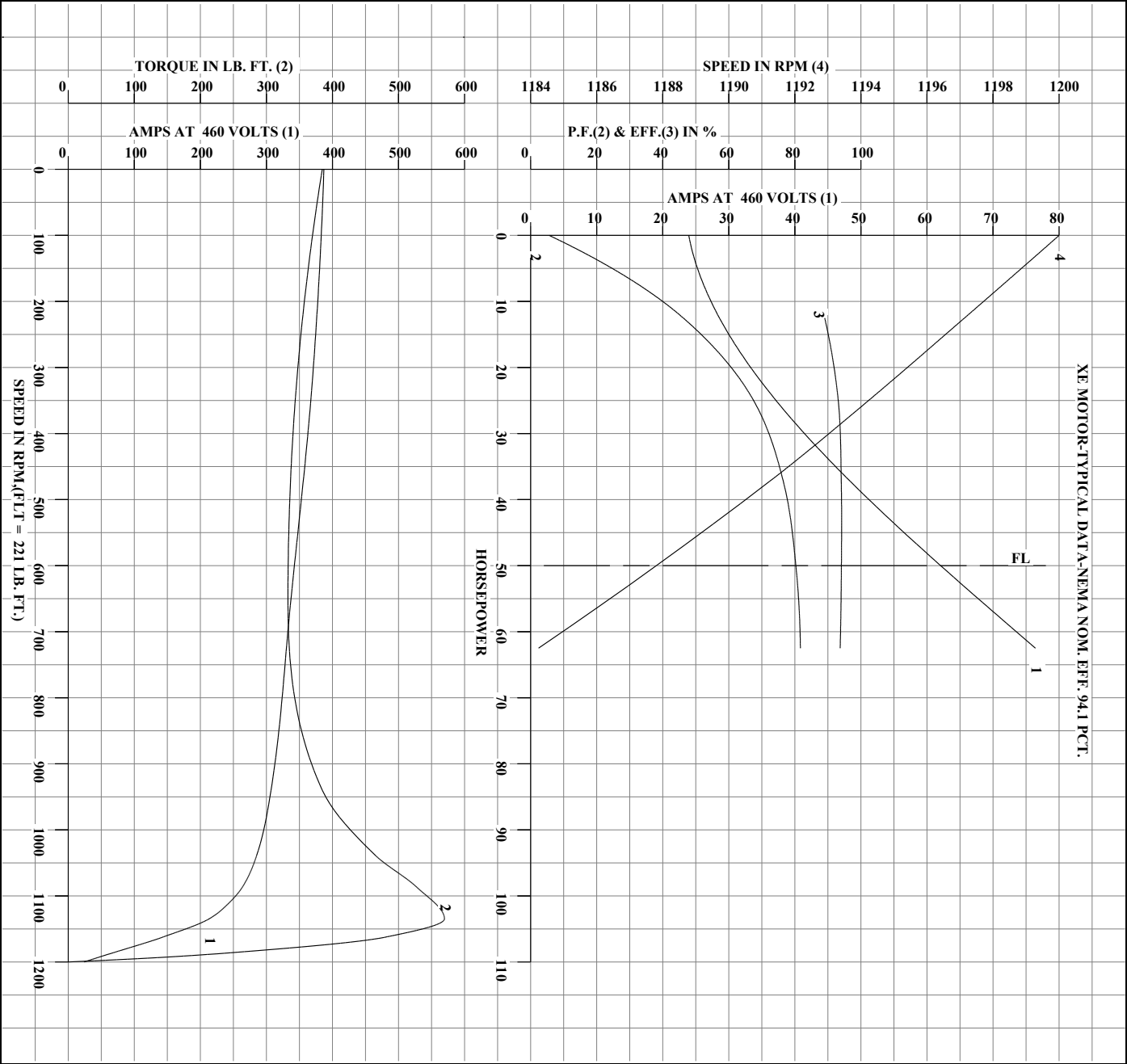
|                         |               |         |                  |    |      |              |        |    |             |      |      |        |      |       |   |
|-------------------------|---------------|---------|------------------|----|------|--------------|--------|----|-------------|------|------|--------|------|-------|---|
| CAT #                   | CECP84312T-4  |         |                  |    |      | FR           | 365TC  |    |             | IP56 |      |        |      |       |   |
| SPEC                    | A36-9122-4275 |         |                  |    |      | ENCL         | TEFC   |    |             | DES  | B    |        |      |       |   |
| HZ                      | 60            | PH      | 3                | CL | B    | HP           | 50     | SF | 1.15        | PF   | 81   | %      | CODE | G     |   |
| VOLTS                   | 460           |         |                  |    |      | AMPS         | 62     |    |             |      |      |        |      |       |   |
| RPM                     | 1185          | MAX RPM |                  |    | 1800 | SER          |        |    |             |      |      |        |      |       |   |
| NEMA NOM. EFF           | 94.1          | %       | RATING           |    |      | 40C AMB-CONT |        |    |             |      |      |        |      |       |   |
| GUAR MIN. EFF           | 93            | %       | BRG DE           |    |      | 6313         |        |    | BRG ODE     |      | 6313 |        |      |       |   |
| CL I DIV 2 GRPS A,B,C,D |               |         | CL I ZONE 2 GRPS |    |      |              |        |    | IIA,IIB,IIC |      |      | TEMP T |      | 3-200 | C |
| CT HZ                   | 6-60          |         | VT HZ            |    | 0-60 |              |        |    |             |      |      |        |      |       |   |
| CHP HZ                  | 60-90         |         | INV TEMP CL      |    |      |              | 200    | C  |             |      |      |        |      |       |   |
|                         | SFA 71        |         |                  |    |      |              | MTR WT |    |             | 946  | LBS  |        |      |       |   |

|                                                                                                                                       |             |                                                                                                  |                       |                                            |                                        |           |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------|----------------------------------------|-----------|
| S/O                                                                                                                                   | FRAME       | HP                                                                                               | TYPE                  | PHASE/<br>HERTZ                            | RPM                                    | VOLTS     |
|                                                                                                                                       | 365T        | 50                                                                                               | P                     | 3/60                                       | 1185                                   | 460       |
|                                                                                                                                       |             |                                                                                                  |                       |                                            |                                        |           |
| AMPS                                                                                                                                  | DUTY        | AMB °C/<br>INSUL                                                                                 | S.F.                  | NEMA<br>DESIGN                             | CODE<br>LETTER                         | ENCLOSURE |
| 62.0                                                                                                                                  | 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) |                                        |           |
| -                                                                                                                                     | 418141089AE | ---                                                                                              | ---                   | .111                                       |                                        |           |
| PERFORMANCE                                                                                                                           |             |                                                                                                  |                       |                                            |                                        |           |
| LOAD                                                                                                                                  | HP          | AMPERES                                                                                          | RPM                   | % POWER FACTOR                             | % EFFICIENCY                           |           |
| NO LOAD                                                                                                                               | 0           | 24.0                                                                                             | 1200                  | 5.62                                       | 0                                      |           |
| 1/4                                                                                                                                   | 12.5        | 28.5                                                                                             | 1197                  | 46.2                                       | 89.0                                   |           |
| 2/4                                                                                                                                   | 25.0        | 37.2                                                                                             | 1194                  | 67.5                                       | 93.1                                   |           |
| 3/4                                                                                                                                   | 37.5        | 48.7                                                                                             | 1191                  | 76.6                                       | 94.1                                   |           |
| 4/4                                                                                                                                   | 50.0        | 62.0                                                                                             | 1188                  | 80.3                                       | 94.1                                   |           |
| 5/4                                                                                                                                   | 62.5        | 76.5                                                                                             | 1184                  | 81.7                                       | 93.7                                   |           |
|                                                                                                                                       |             |                                                                                                  |                       |                                            |                                        |           |
| SPEED TORQUE                                                                                                                          |             |                                                                                                  |                       |                                            |                                        |           |
|                                                                                                                                       |             | RPM                                                                                              | TORQUE<br>% FULL LOAD | TORQUE LB.-FT.                             | AMPERES                                |           |
| LOCKED ROTOR                                                                                                                          |             | 0                                                                                                | 174                   | 385                                        | 387                                    |           |
| PULL UP                                                                                                                               |             | 650                                                                                              | 150                   | 333                                        | 337                                    |           |
| BREAKDOWN                                                                                                                             |             | 1135                                                                                             | 258                   | 570                                        | 213                                    |           |
| FULL LOAD                                                                                                                             |             | 1188                                                                                             | 100                   | 221                                        | 62.0                                   |           |
| AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY<br>INVERSELY WITH THE RATED VOLTAGE. |             |                                                                                                  |                       |                                            |                                        |           |
| TYPICAL DATA<br>XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 94.1 PCT.                                                                        |             |                                                                                                  |                       |                                            |                                        |           |
|                                                                                                                                       |             |                                                                                                  |                       |                                            |                                        |           |
|                                                      |             | DRAWN BY: C.B. ATANGANE<br>CHECKED BY: W.L. SMITH<br>APPROVED BY: C.E. JAMISON<br>DATE: 04/15/25 |                       | AC MOTOR<br>PERFORMANCE<br>DATA            | A36WG4275-R001<br>DATE ISSUED 04/05/25 |           |

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|          |            |       |        |                    |          |           |           |           |                      |           |               |               |                |       |                   |                        |              |                         |                      |
|----------|------------|-------|--------|--------------------|----------|-----------|-----------|-----------|----------------------|-----------|---------------|---------------|----------------|-------|-------------------|------------------------|--------------|-------------------------|----------------------|
| REL.S.O. | FRAME 365T | HP 50 | TYPE P | PHASE / HERTZ 3/60 | RPM 1185 | VOLTS 460 | AMPS 62.0 | DUTY CONT | AMB °C / INSUL. 40/F | S.F. 1.15 | NEMA DESIGN B | CODE LETTER G | ENCLOSURE TEFC | E/S - | ROTOR 418141089AE | TEST S.O. TYPICAL DATA | TEST DATE -- | STATOR RES. @ 25°C .111 | OHMS (BETWEEN LINES) |
|----------|------------|-------|--------|--------------------|----------|-----------|-----------|-----------|----------------------|-----------|---------------|---------------|----------------|-------|-------------------|------------------------|--------------|-------------------------|----------------------|



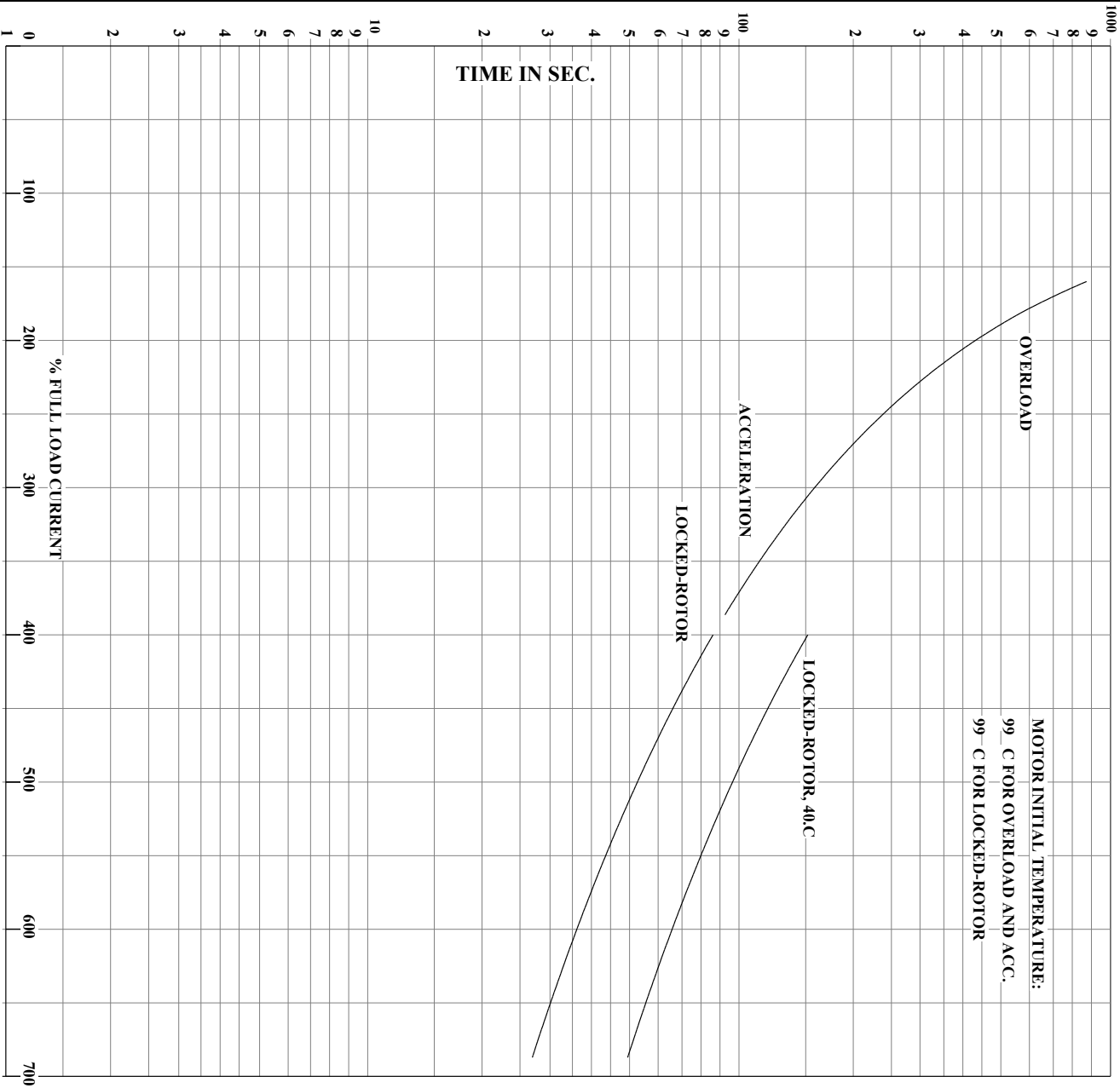
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

|                                                                                   |                                                                                                  |                                 |                                       |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|
|  | DRAWN BY: C.B. ATANGANE<br>CHECKED BY: W.L. SMITH<br>APPROVED BY: C.E. JAMISON<br>DATE: 04/15/25 | AC MOTOR<br>PERFORMANCE<br>DATA | A36WGA275-R001<br>ISSUE DATE 04/05/25 |
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|                    |                     |                |                         |
|--------------------|---------------------|----------------|-------------------------|
| REL.S.O.           | RPM 1185            | S.F. 1.15      | ROTOR 418141089AE       |
| FRAME 365T         | VOLTS 460           | NEMA DESIGN B  | TEST S.O. TYPICAL DATA  |
| HP 50              | AMPS 62.0           | CODE LETTER G  | TEST DATE --            |
| TYPE P             | DUTY CONT           | ENCLOSURE TEFC | STATOR RES. @ 25°C .111 |
| PHASE / HERTZ 3/60 | AMB °C / INSUL 40/F | E/S -          | OHMS (BETWEEN LINES)    |



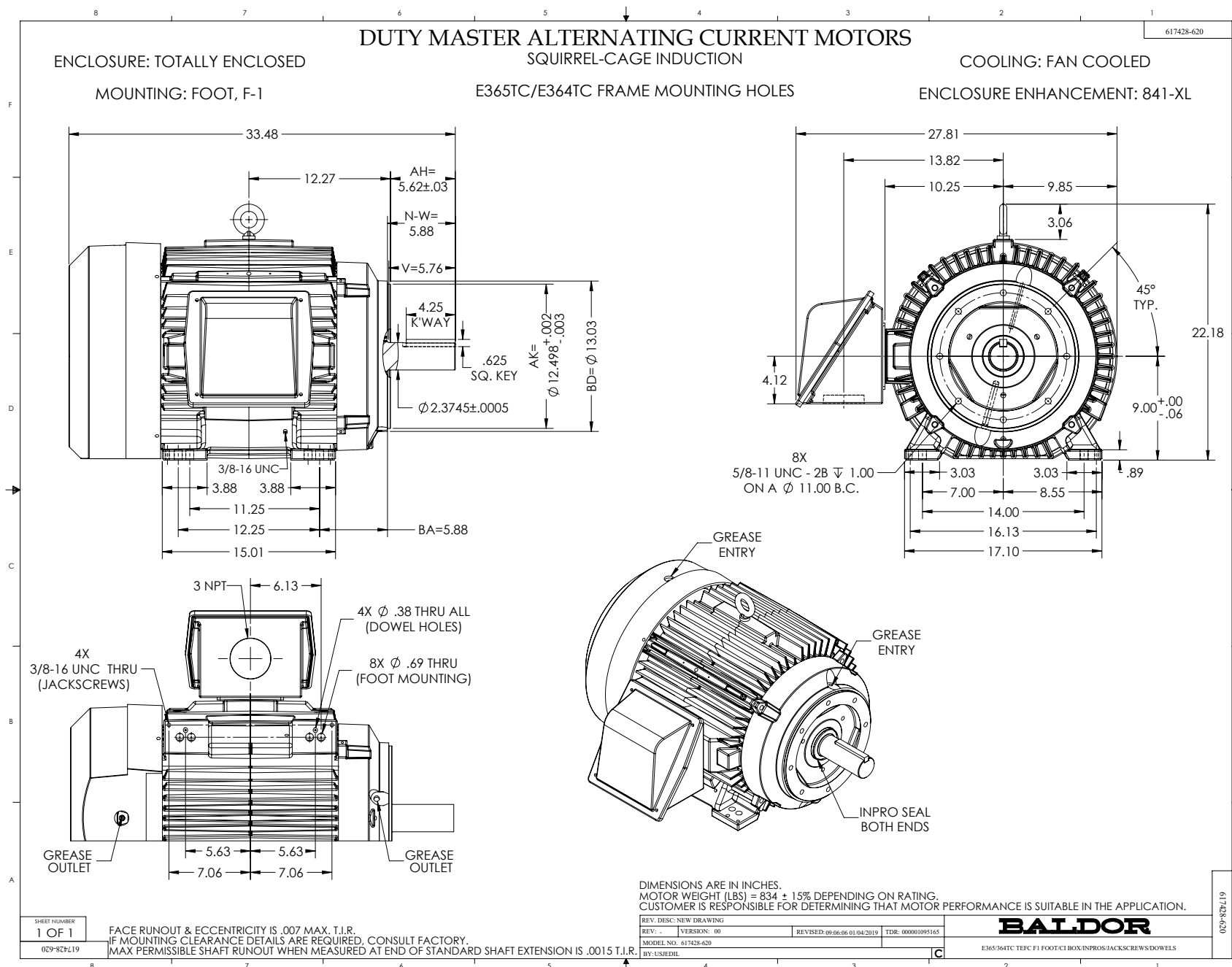
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|                                                                                   |                                                                                                  |                                 |                                       |
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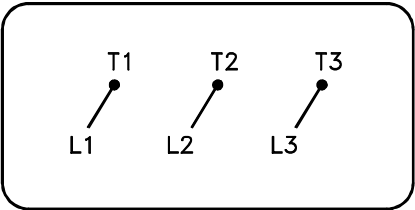
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416820-036

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