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# Customer information packet

## ECP84407TR-5

200HP, 1785RPM, 3PH, 60HZ, 447T, TEFC

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

|                               |                             |
|-------------------------------|-----------------------------|
| Enclosure                     | TEFC                        |
| Frame                         | 447T                        |
| 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           | 575.0 V @ 60 HZ             |
| Agency Approvals              | UR<br>CCSA US               |
| Ambient Temperature           | 40 °C                       |
| Auxiliary Box                 | NO AUXILLARY BOX            |
| Base Indicator                | Rigid                       |
| Bearing Grease Type           | Mobil SHC 220 (Athens Only) |
| Constant Torque Speed Range   | 30-60                       |
| Current @ Voltage             | 178.000 A @ 575.0 V         |
| Design Code                   | B                           |
| Drip Cover                    | No Drip Cover               |
| Duty Rating                   | CONT                        |
| Efficiency @ 100% Load        | 96.2 %                      |
| Enclosure Modification        | 841                         |
| Feedback Device               | NO FEEDBACK                 |
| Haz Area Temp Code            | T3                          |
| Heater Indicator              | No Heater                   |
| High Voltage Full Load Amps   | 178.0 a                     |
| Insulation Class              | F                           |
| Inverter Code                 | Inverter Ready              |
| IP Rating                     | IP56                        |
| KVA Code                      | G                           |

## Part detail

|              |                    |
|--------------|--------------------|
| Revision     | E                  |
| Type         | AC                 |
| Mech. spec.  |                    |
| Base         |                    |
| Status       | PRD/A              |
| Elec. spec.  | A44WG0891          |
| Layout       | 617434-663         |
| Eff. date    | 12-11-2023         |
| CD Diagram   | 416820-036         |
| Poles        | 04                 |
| Leads        | 3#1 (02 per group) |
| Proprietary  | False              |
| Created date | 12-10-2018         |

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Lifting Lugs</b>                  | <b>No Lifting Lugs</b>            |
| <b>Motor Lead Quantity/Wire Size</b> | <b>6 @ 1 AWG</b>                  |
| <b>Motor Standards</b>               | <b>Other</b>                      |
| <b>Motor Type</b>                    | <b>A44120M</b>                    |
| <b>Mounting Arrangement</b>          | <b>F1</b>                         |
| <b>No Load Current</b>               | <b>48.3 a</b>                     |
| <b>Number of Poles</b>               | <b>4</b>                          |
| <b>Overall Length</b>                | <b>48.46 IN</b>                   |
| <b>Power Factor</b>                  | <b>88</b>                         |
| <b>Pulley End Bearing Type</b>       | <b>Roller</b>                     |
| <b>Pulley Face Code</b>              | <b>C-Face</b>                     |
| <b>Service Factor</b>                | <b>1.15</b>                       |
| <b>Shaft Diameter</b>                | <b>3.375 IN</b>                   |
| <b>Shaft Ground Indicator</b>        | <b>No Shaft Grounding</b>         |
| <b>Shaft Rotation</b>                | <b>Phase Seq-Std Rot (CCWODE)</b> |
| <b>Shaft Slinger Indicator</b>       | <b>No Slinger</b>                 |
| <b>Speed</b>                         | <b>1785 rpm</b>                   |
| <b>Speed Code</b>                    | <b>Single Speed</b>               |
| <b>Starting Method</b>               | <b>Direct on line</b>             |
| <b>Thermal Device - Bearing</b>      | <b>None</b>                       |
| <b>Thermal Device - Winding</b>      | <b>None</b>                       |

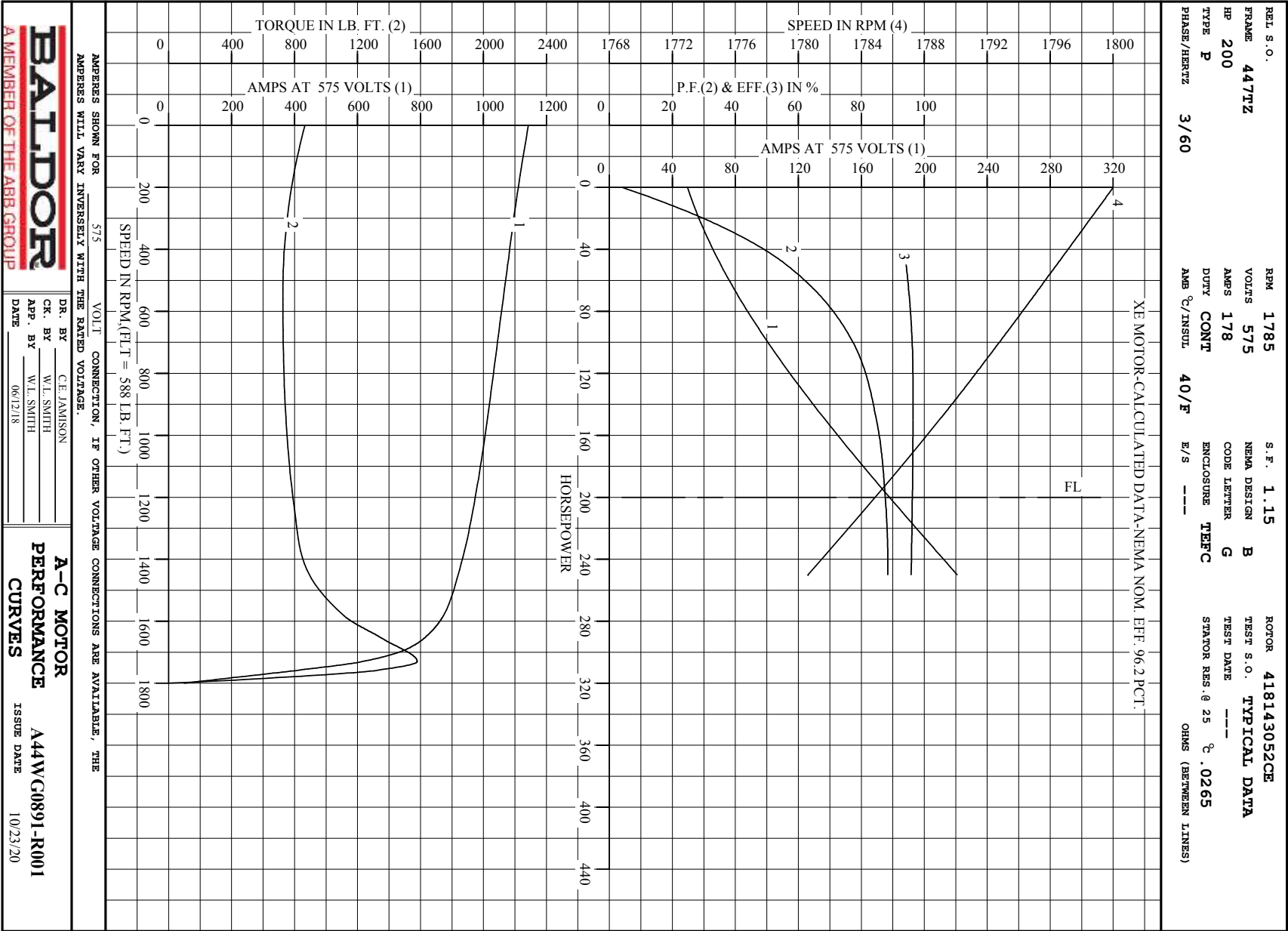
## Nameplate

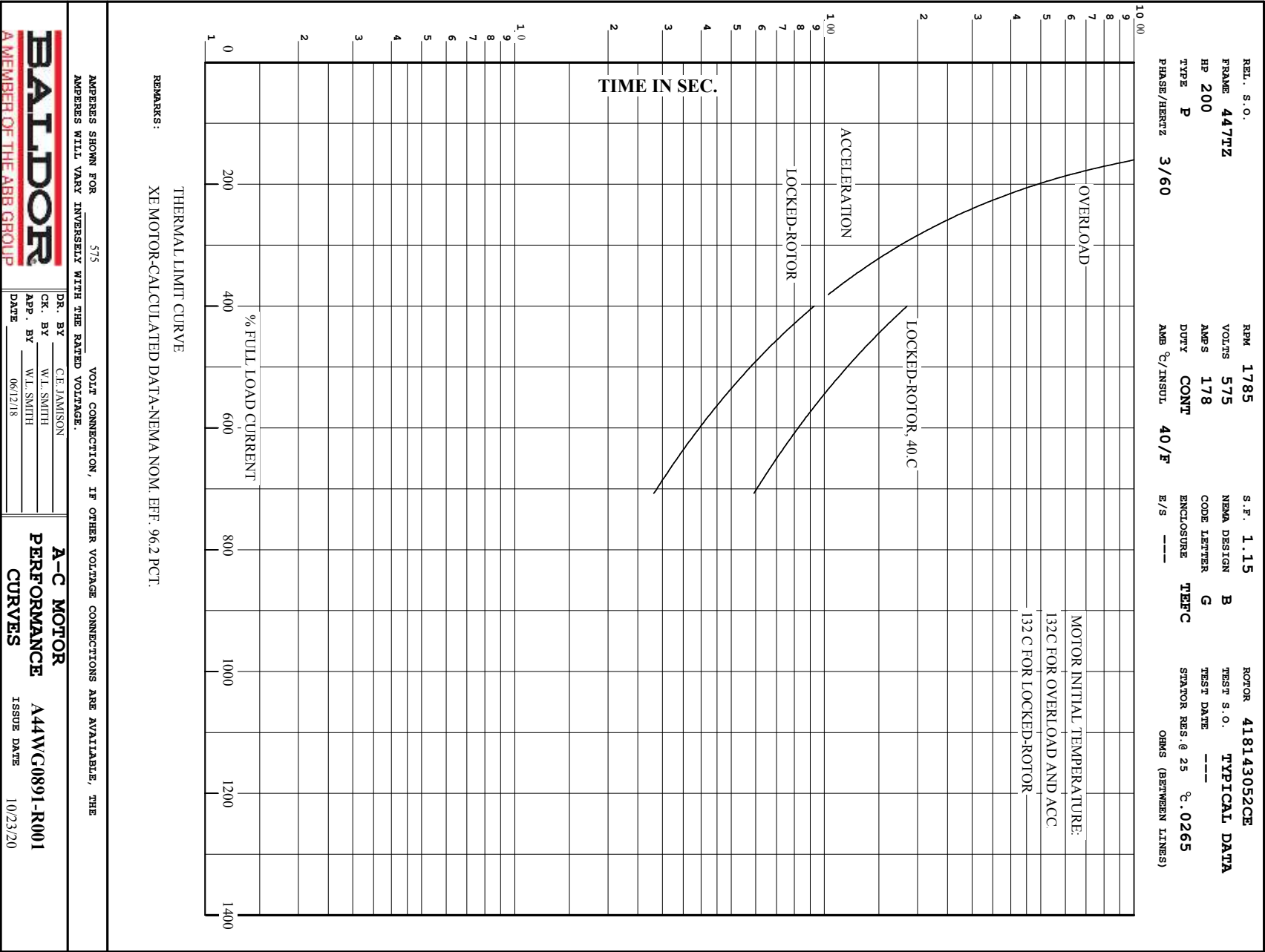
| NP4566             |              |        |                 |              |               |               |  |      |      |                     |                       |    |      |             |      |  |
|--------------------|--------------|--------|-----------------|--------------|---------------|---------------|--|------|------|---------------------|-----------------------|----|------|-------------|------|--|
| CAT NO             | ECP84407TR-5 |        |                 | SPEC NO.     |               | A44-0058-0891 |  |      |      |                     |                       |    |      |             |      |  |
| HP                 | 200          | AMPS   |                 | 178          |               | VOLTS         |  | 575  |      | DESIGN              |                       | B  |      |             |      |  |
| FRAME SIZE         | 447T         | RPM    |                 | 1785         |               | HZ            |  | 60   | AMB  |                     | 40                    | SF |      | 1.15        |      |  |
| D.E. BRG.DATA      | NU222        |        | O.D.E. BRG.DATA |              |               | 6318          |  | PH   |      | 3                   | DUTY                  |    | CONT | INSUL.CLASS |      |  |
| D.E. BRG.          | 110RU02M30X  |        |                 | TYPE         |               | ENCL          |  | TEFC |      | CODE                |                       | G  |      |             |      |  |
| O.D.E. BRG.        | 90BC03J30X   |        |                 | POWER FACTOR |               |               |  | 88   |      | NEMA-NOM-EFFICIENCY |                       |    |      | 96.2        |      |  |
| 3/4 LOAD EFF.      | 96.5         | IP     |                 | 56           | 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 |               |               |  |      |      |                     |                       |    |      |             |      |  |

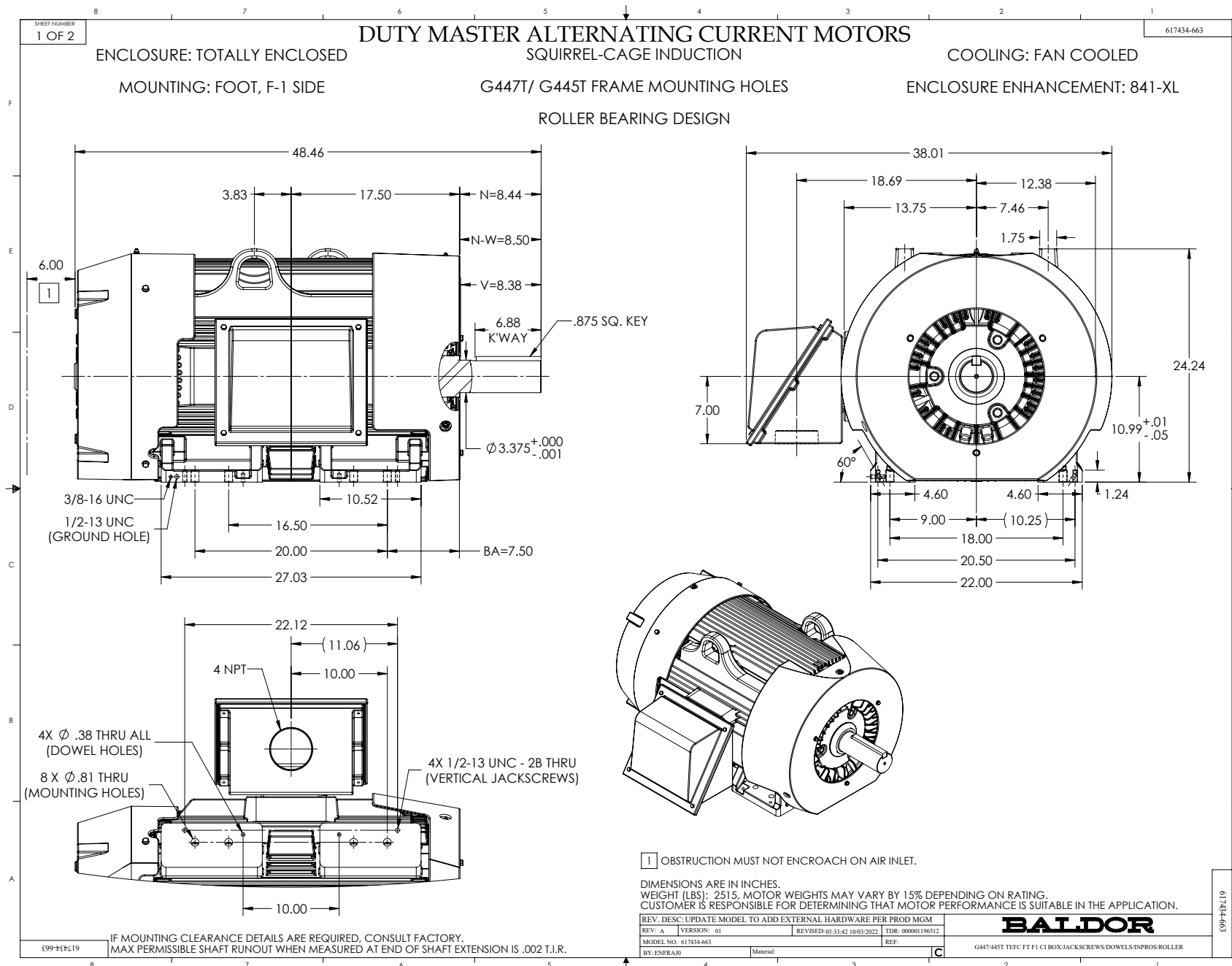
| 000613007EX     |              |                          |               |      |
|-----------------|--------------|--------------------------|---------------|------|
| CAT NO          | ECP84407TR-5 | SPEC NO.                 | A44-0058-0891 |      |
| NO. ROTOR BARS  | 58           | GREASE TYPE              | MOBIL SHC 220 |      |
| NO. SLOTS       | 72           | NL AMPS AT RATED VOLTAGE |               | 48.3 |
| 5 YEAR WARRANTY |              | WINDING RES @25 C        | .0326         | OHMS |
| MFG. DATE       |              | SER.NO                   |               |      |
|                 |              |                          |               |      |
|                 |              |                          |               |      |

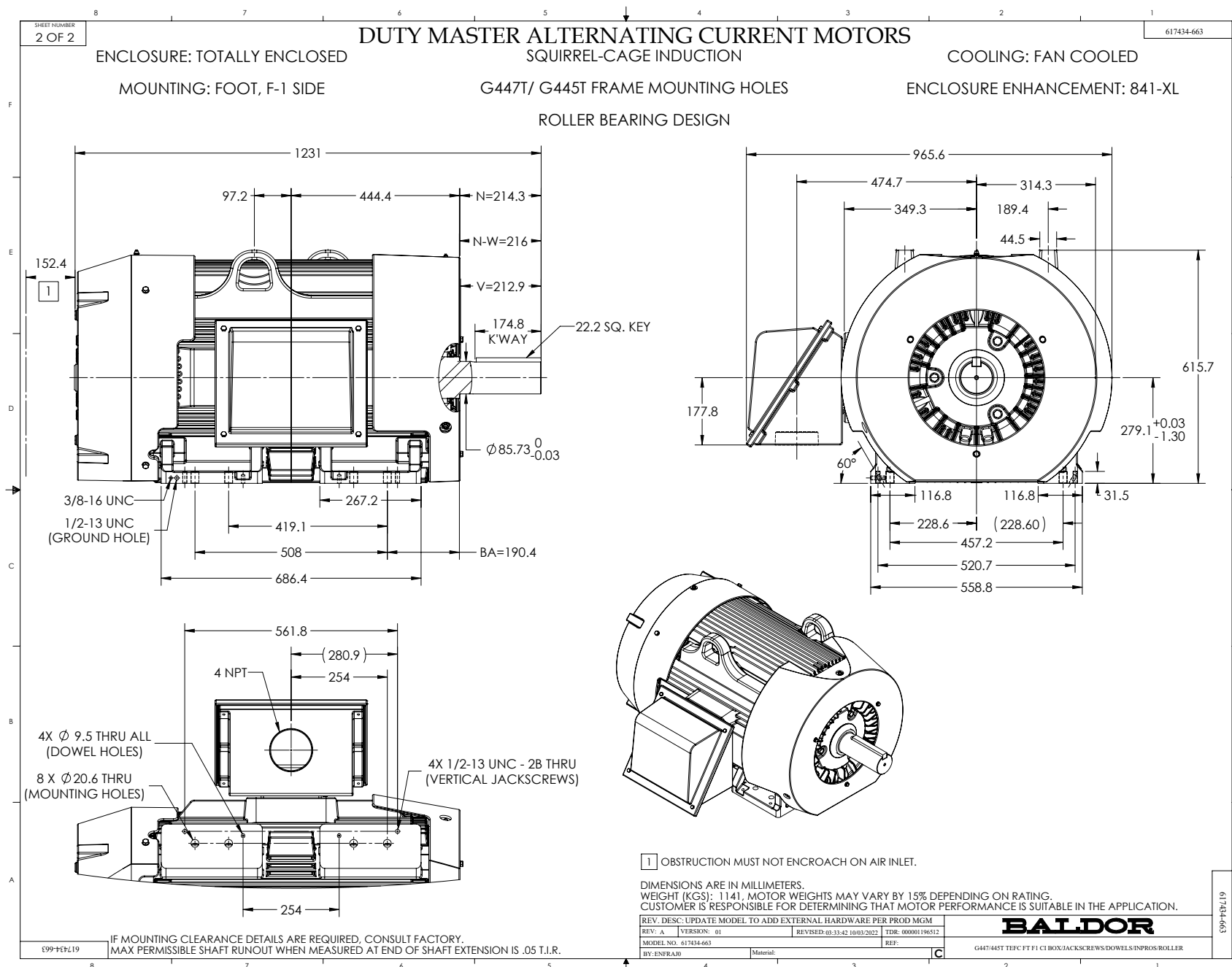
|                       |  |
|-----------------------|--|
| NP2496L               |  |
| MOBIL SHC -220 GREASE |  |
|                       |  |











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