ABB BALDOR RELIANCE

# Customer information packet

## ECP84308T-5

40HP, 1190RPM, 3PH, 60HZ, 364T, A36062M, TEFC
Class - CLI GP A,B,C,D
Division - Division II

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11/19/2026 6:42:17 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 364T |
| **Frame Material** | Iron |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | CLI GP A,B,C,D |
| **Haz Area Division** | Division II |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 40.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 575.0 V @ 60 HZ |
| **Agency Approvals** | CCSAUSEEV |
| | NEMA PREMIUM |
| | NEMA_PREMIUM |
| | UR |
| | CCSA US |
| **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** | 39.500 A @ 575.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 94.1 % |
| **Enclosure Modification** | 841 |
| **Feedback Device** | NO FEEDBACK |
| **Haz Area Temp Code** | T3A |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 39.5 a |
| **Insulation Class** | F |

## Part Detail

| | |
|---|---|
| **Revision** | R |
| **Type** | AC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | A36WG0511 |
| **Layout** | 617428-603 |
| **Eff. date** | 08-26-2024 |
| **CD Diagram** | 416820-036 |
| **Poles** | 06 |
| **Leads** | 3#6 |
| **Proprietary** | False |
| **Created date** | 11-27-2018 |

| | |
|---|---|
| **Inverter Code** | Inverter Ready |
| **IP Rating** | IP56 |
| **KVA Code** | G |
| **Lifting Lugs** | No Lifting Lugs |
| **Max Speed** | 1800 rpm |
| **Motor Lead Quantity/Wire Size** | 3 @ 6 AWG |
| **Motor Standards** | NEMA |
| **Motor Type** | A36062M |
| **Mounting Arrangement** | F1 |
| **No Load Current** | 14.2 a |
| **Number of Poles** | 6 |
| **Overall Length** | 33.49 IN |
| **Power Factor** | 80 |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 2.375 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Phase Seq-Std Rot (CCWODE) |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1190 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |

**Nameplate**

| NP4388 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAT #** | ECP84308T-5 | | | | **FR** | 364T | | IP56 | | | | | | | | | |
| **SPEC** | A36-6000-0511 | | | | **ENCL** | TEFC | | **DES** | B | | | | | | | | |
| **HZ** | 60 | **PH** | 3 | **CL** | F | **HP** | 40 | **SF** | 1.15 | **PF** | 80 | **%** | **CODE** | G | | | |
| **VOLTS** | 575 | | | | **AMPS** | 39.5 | | | | | | | | | | | |
| **RPM** | 1190 | | **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** | | | | | | | | | | | | |
| | | | | | **MTR WT** | 922 | **LBS** | | | | | | | | | | |

| NP4333 | | | |
|---|---|---|---|
| **CAT #** | ECP84308T-5 | **ROTOR BARS** | 55 |
| **SPEC** | A36-6000-0511 | **STATOR SLOTS** | 72 |
| **SER** | | **MAX CORR KVAR** | 12 |
| **GREASE** | POLYREX EM | | |
| **ABMA DE BRG** | 65BC03J30X **ODE** | 65BC03J30X | |

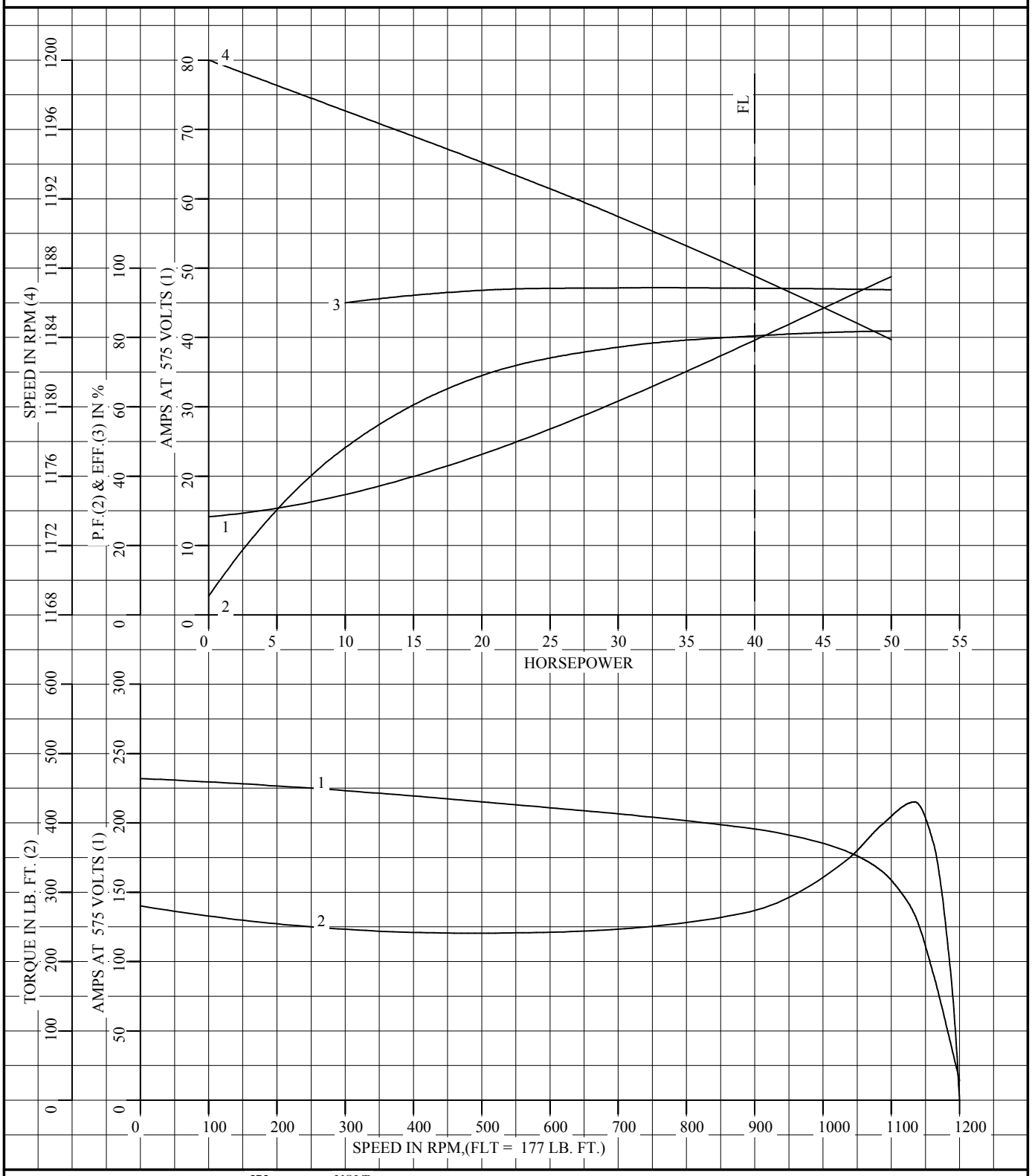
**SPACE HEATER LEADS H1-H2:** **TIE LIKE NUMBERS** **TOGETHER**

**MAX. SPACE HEATER TEMP.** **C** **V** **A** **W**

ABB BALDOR RELIANCE

**CUSTOMER INFORMATION PACKET**

| | | | |
|---|---|---|---|
| FRAME 364T | RPM 1190 | S.F. 1.15 | ROTOR 418141-74EE |
| HP 40 | VOLTS 575 | NEMA DESIGN B | TEST S.O. TYPICAL DATA |
| TYPE P | AMPS 39.5 | CODE LETTER G | TEST DATE --- |
| PHASE/HERTZ 3/60 | DUTY CONT | ENCLOSURE FCXE | STATOR RES.@ 25 ℃ .237 |
| | AMB ℃/INSUL 40/F | E/S 491379 | OHMS (BETWEEN LINES) |




AMPERES SHOWN FOR 575 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

| | |
|---|---|
| DR. BY | W. L. SMITH |
| CK. BY | J.J.HARRISON |
| APP. BY | W. L. SMITH |
| DATE | 12/07/05 |

**A-C MOTOR PERFORMANCE CURVES**

A36WG0511-R002

ISSUE DATE 12/07/05

| REL. S.O. | FRAME | HP | TYPE | PHASE/ HERTZ | RPM | VOLTS |
|---|---|---|---|---|---|---|
| | 364T | 40 | P | 3/60 | 1190 | 575 |

| AMPS | DUTY | AMB °C/ INSUL. | S.F. | NEMA DESIGN | CODE LETTER | ENCL. |
|---|---|---|---|---|---|---|
| 39.5 | CONT | 40/F | 1.15 | B | G | FCXE |

| E/S | ROTOR | TEST S.O. | TEST DATE | STATOR RES.@25 °C OHMS (BETWEEN LINES) |
|---|---|---|---|---|
| 491379 | 418141-74EE | --- | --- | .237 |

PERFORMANCE

| LOAD | HP | AMPERES | RPM | % POWER FACTOR | % EFFICIENCY |
|---|---|---|---|---|---|
| NO LOAD | 0 | 14.2 | 1200 | 5.41 | 0 |
| 1/4 | 10.0 | 17.3 | 1197 | 48.3 | 90.0 |
| 2/4 | 20.0 | 23.2 | 1194 | 69.0 | 93.6 |
| 3/4 | 30.0 | 30.8 | 1191 | 77.2 | 94.3 |
| 4/4 | 40.0 | 39.5 | 1188 | 80.5 | 94.2 |
| 5/4 | 50.0 | 48.8 | 1184 | 81.9 | 93.7 |
| | | | | | |

SPEED TORQUE

| | RPM | TORQUE % FULL LOAD | TORQUE LB.-FT. | AMPERES |
|---|---|---|---|---|
| LOCKED ROTOR | 0 | 158 | 280 | 232 |
| PULL UP | 480 | 136 | 241 | 216 |
| BREAKDOWN | 1135 | 243 | 430 | 133 |
| FULL LOAD | 1188 | 100 | 177 | 39.5 |

AMPERES SHOWN FOR 575. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA

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DR. BY W. L. SMITH
CK. BY J.J.HARRISON
APP. BY W. L. SMITH
DATE 12/07/05

**A-C MOTOR PERFORMANCE DATA** A36WG0511-R002
ISSUE DATE 12/07/05

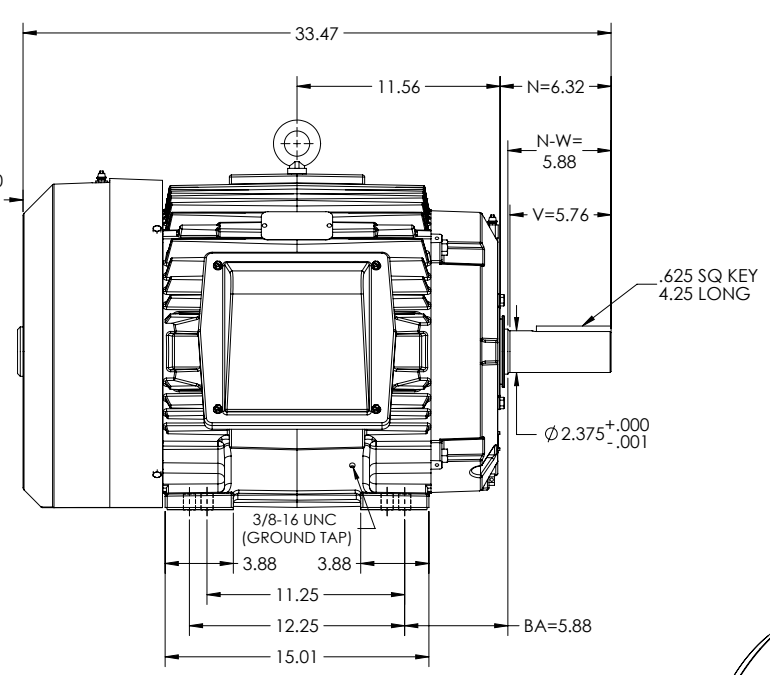
SHEET NUMBER 1 OF 2

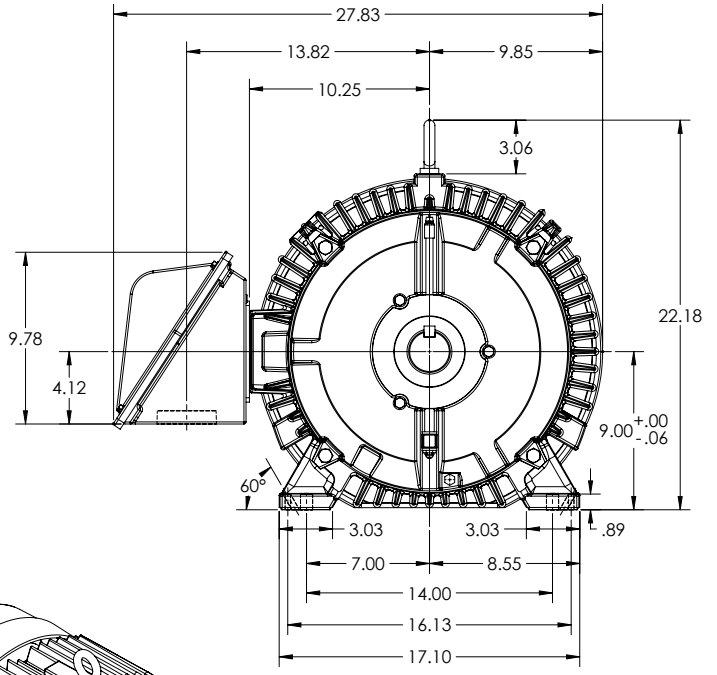
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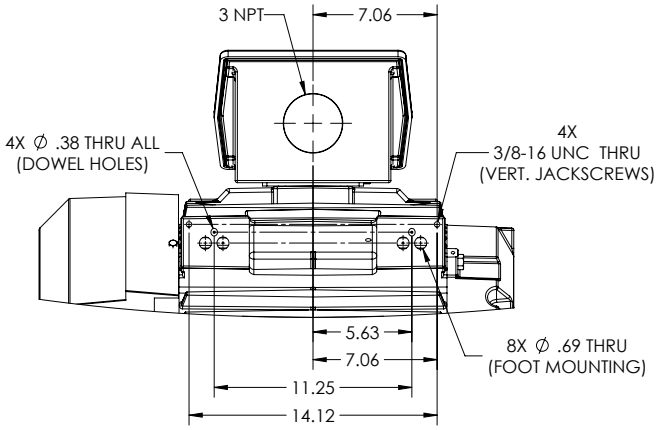
617428-603

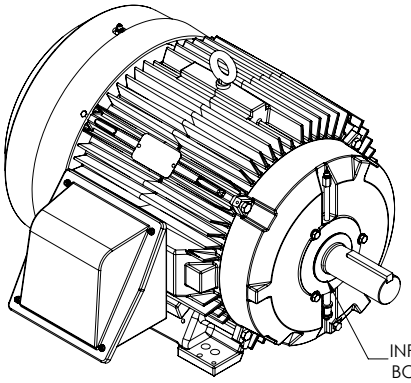
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

MOUNTING: FOOT, F-1 | E364T/ E365T FRAME MOUNTING HOLES | ENCLOSURE ENAHNCEMENT: 841-XL




1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.
WEIGHT (LBS) 846, WEIGHT MAY VARY BY 15% DEPENDING ON RATING
DIMENSIONS ARE IN INCHES.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN FOR BALL BEARING IS .0015 & ROLLER BEARING IS .002 T.I.R.

| REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM | | | |
|---|---|---|---|
| REV: C | VERSION: 03 | REVISED: 02-09-45 10/03/2022 | TDR: 000001196512 |
| MODEL NO. 617428-603 | | | |
| BY: ENFRAJ0 | | | C |

BALDOR

E364/365T TEFC F1 FOOT/CI BOX/GRND TAP/841-XL

617428-603

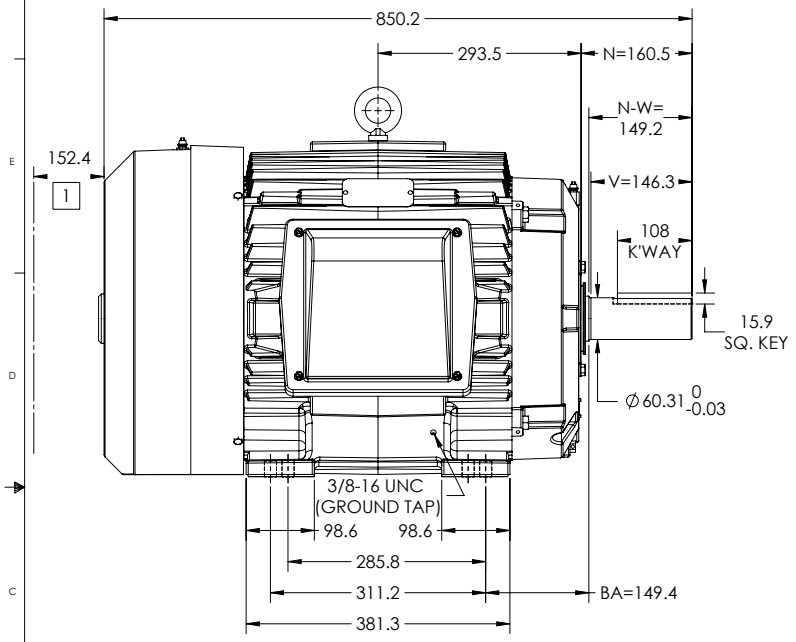
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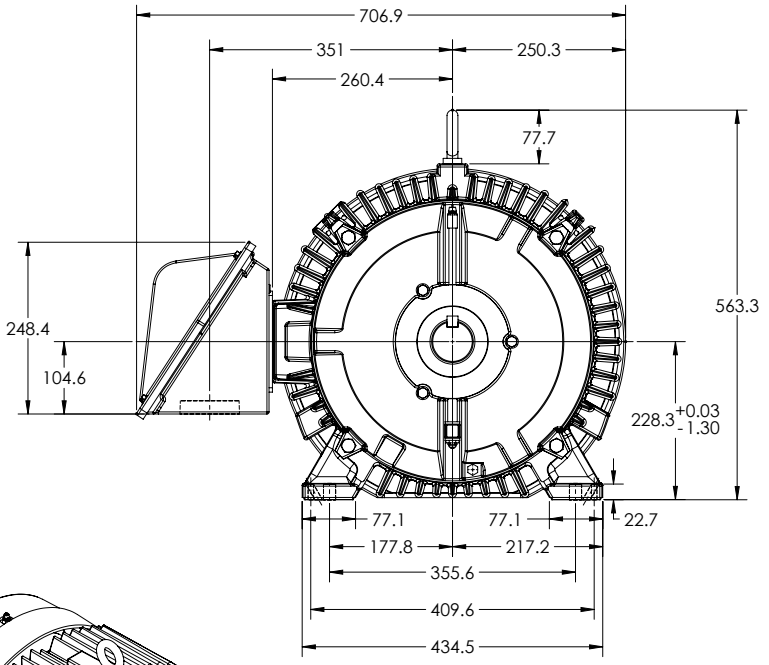
# DUTY MASTER ALTERNATING CURRENT MOTORS

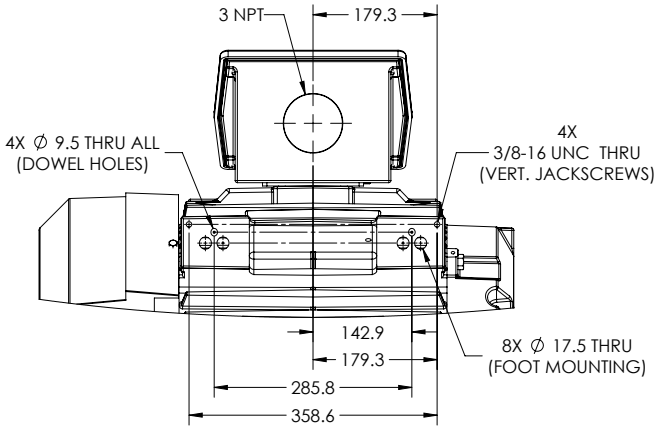
617428-603

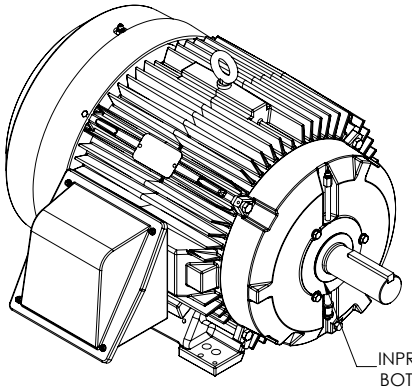
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

MOUNTING: FOOT, F-1 | E364T/ E365T FRAME MOUNTING HOLES | ENCLOSURE ENAHNCEMENT: 841-XL




1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.
WEIGHT (KG) 383.7, WEIGHT MAY VARY BY 15% DEPENDING ON RATING
DIMENSIONS ARE IN MILLIMETERS.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN FOR BALL BEARING IS .04 & ROLLER BEARING IS .05T.I.R.

| | | | |
|---|---|---|---|
| REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM | | | |
| REV: C | VERSION: 03 | REVISED: 02-09-45 10/03/2022 | TDR: 000001196512 |
| MODEL NO. 617428-603 | | | |
| BY: ENFRAJ0 | | C | |

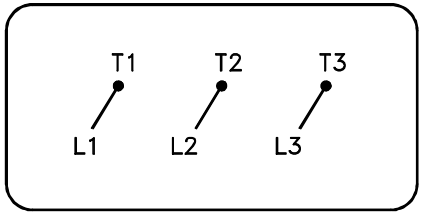
BALDOR

E364/365T TEFC F1 FOOT/CI BOX/GRND TAP/841-XL

617428-603

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 | | | BALDOR |
| REV. LTR: – | VERSION: 00 | TDR: 000000538207 | |
| FILE: \MGA\00000\682 | | REVISED: 11:54:06 04/30/2010 | CONN DIAG – STANDARD 3 LEAD |
| MTL: – | | BY: RAGRA | SH 1 of 1 |