ABB BALDOR RELIANCE

# Customer information packet

## EWDM4348T

40HP, 890RPM, 3PH, 60HZ, 365T, A36062M, TEFC, F
Class - None
Division - Not Applicable

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11/13/2026 8:43:39 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 365T |
| **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** | 40.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 900 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | CSA EEV |
| | CCSA US |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Current @ Voltage** | 52.900 A @ 460.0 V |
| | 106.000 A @ 230.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 91.7 % |
| **Enclosure Modification** | Severe Duty Features |
| **Feedback Device** | NO FEEDBACK |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 52.9 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **IP Rating** | IP55 |
| **KVA Code** | G |

## Part Detail

| | |
|---|---|
| **Revision** | A |
| **Type** | AC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | A36WG1044 |
| **Layout** | 617428-593 |
| **Eff. date** | 12-09-2021 |
| **CD Diagram** | 416820-002 |
| **Poles** | 08 |
| **Leads** | 3#6,6#8 |
| **Proprietary** | False |
| **Created date** | 08-20-2019 |

| | |
|---|---|
| **Lifting Lugs** | Standard Lifting Lugs |
| **Motor Lead Quantity/Wire Size** | 3 @ 6 AWG |
| **Motor Standards** | NEMA |
| **Motor Type** | A36062M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 8 |
| **Overall Length** | 33.48 IN |
| **Power Factor** | 77 |
| **Product Family** | Washdown Features |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 2.374 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 890 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |

**Nameplate**

| NP2496L |
|---|
| MOBIL POLYREX EM |

| NP2428L | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SPEC NO.** | A36-7288-1044 | **CAT.NO.** | EWDM4348T | | | | | | **FRAME** | 365T | | |
| **HP** | 40 | **VOLTS** | 230/460 | **PHASE** | 3 | **DESIGN** | B | **TYPE** | P | | | |
| **RPM** | 890 | **AMPS** | 106/52.9 | **HZ** | 60 | **AMB** | 40 | **SF** | 1.15 | | | |
| **DRIVE END BEARING** | 65BC03JGG30A | **DUTY** | CONT | **INSUL.CLASS** | F | | | | | | | |
| **OPP D.E. BEARING** | 65BC03JGG30A | **ENCL** | TEFC | **CODE** | G | | | | | | | |
| **SER.NO.** | | **POWER FACTOR** | 77 | | | | | **NEMA-NOM-EFFICIENCY** | | 91.7 | | |
| | | | | | | **MAX CORR KVAR** | 12 | **GUARANTEED EFFICIENCY** | | 90.2 | | |
| | IP55 | | | | | **NEMA NOM/CSA QUOTED EFF** | | | | | | |
| | 10:1CT AND 10:1VT ON VPWM INVE | | | | | RTER, 1.00SF | | **MOTOR WEIGHT** | | | | |

| REL. S.O. | FRAME | HP | TYPE | PHASE/ HERTZ | RPM | VOLTS |
|---|---|---|---|---|---|---|
| | 365T | 40 | P | 3/60 | 890 | 230/460 |

| AMPS | DUTY | AMB °C/ INSUL. | S.F. | NEMA DESIGN | CODE LETTER | ENCL. |
|---|---|---|---|---|---|---|
| 106/52.9 | CONT | 40/F | 1.15 | B | G | TEFC |

| E/S | ROTOR | TEST S.O. | TEST DATE | STATOR RES.@25 °C OHMS (BETWEEN LINES) |
|---|---|---|---|---|
| - | 418141088GE | --- | --- | .0486/.194 |

PERFORMANCE

| LOAD | HP | AMPERES | RPM | % POWER FACTOR | % EFFICIENCY |
|---|---|---|---|---|---|
| NO LOAD | 0 | 21.5 | 900 | 6.43 | 0 |
| 1/4 | 10.0 | 25.5 | 897 | 42.6 | 86.3 |
| 2/4 | 20.0 | 32.5 | 895 | 63.3 | 91.2 |
| 3/4 | 30.0 | 42.1 | 892 | 72.3 | 92.2 |
| 4/4 | 40.0 | 52.9 | 888 | 76.8 | 92.1 |
| 5/4 | 50.0 | 64.7 | 885 | 79.1 | 91.4 |
| | | | | | |

SPEED TORQUE

| | RPM | TORQUE % FULL LOAD | TORQUE LB.-FT. | AMPERES |
|---|---|---|---|---|
| LOCKED ROTOR | 0 | 140 | 330 | 282 |
| PULL UP | 225 | 123 | 290 | 265 |
| BREAKDOWN | 845 | 224 | 530 | 157 |
| FULL LOAD | 888 | 100 | 236 | 52.9 |

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

REMARKS: TYPICAL DATA
NEMA NOM. EFF. 91.7 PCT.

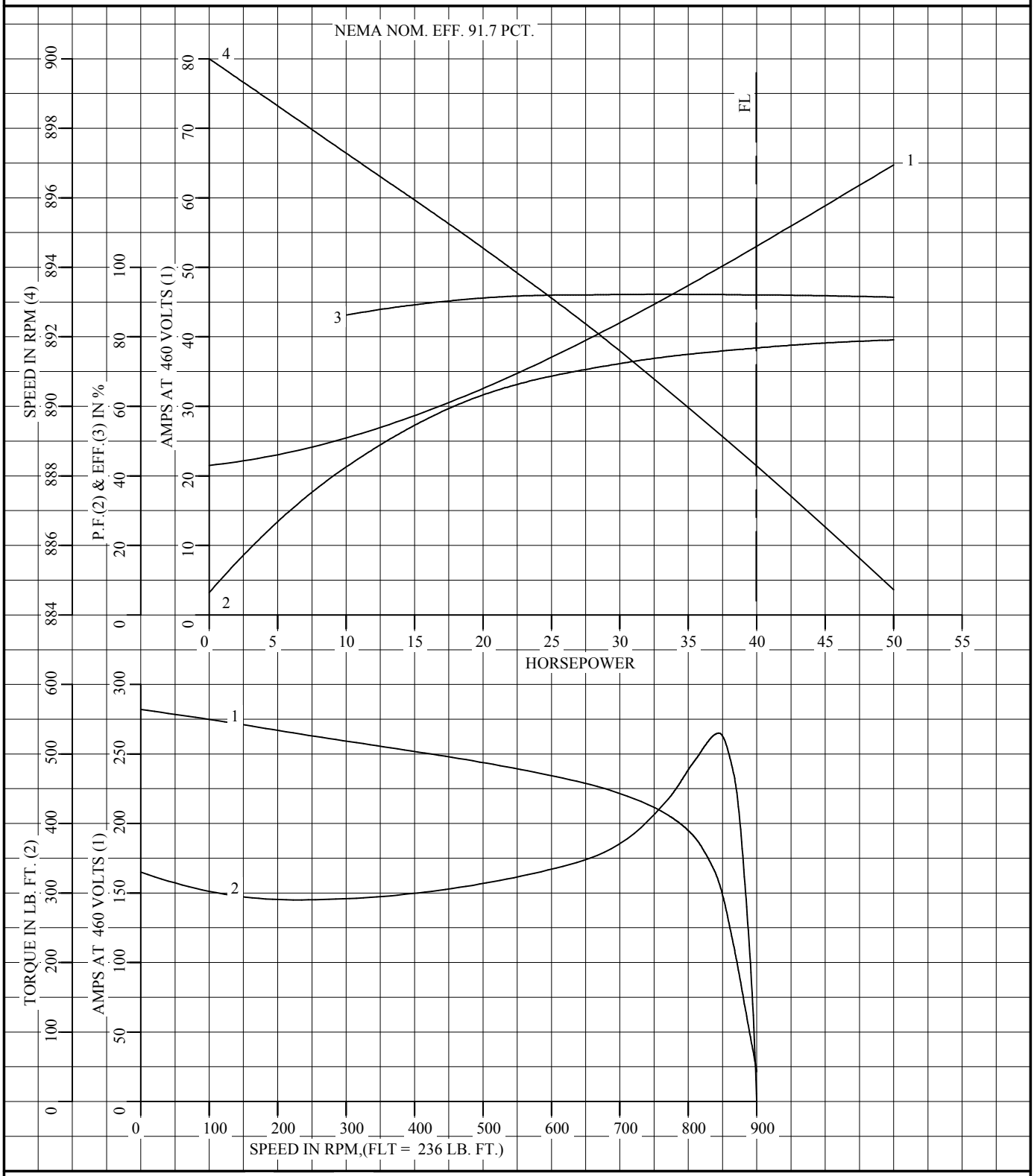
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY C.E.JAMISON
APP. BY W. L. SMITH
DATE 08/16/19

A-C MOTOR PERFORMANCE DATA

A36WG1044-R010
ISSUE DATE 10/30/20

| | | | |
|---|---|---|---|
| REL S.O. | RPM 890 | S.F. 1.15 | ROTOR 418141088GE |
| FRAME 365T | VOLTS 230/460 | NEMA DESIGN B | TEST S.O. TYPICAL DATA |
| HP 40 | AMPS 106/52.9 | CODE LETTER G | TEST DATE --- |
| TYPE P | DUTY CONT | ENCLOSURE TEFC | STATOR RES.@ 25 °C .0486/.194 |
| PHASE/HERTZ 3/60 | AMB °C/INSUL 40/F | E/S – | OHMS (BETWEEN LINES) |




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

BALDOR
A MEMBER OF THE ABB GROUP

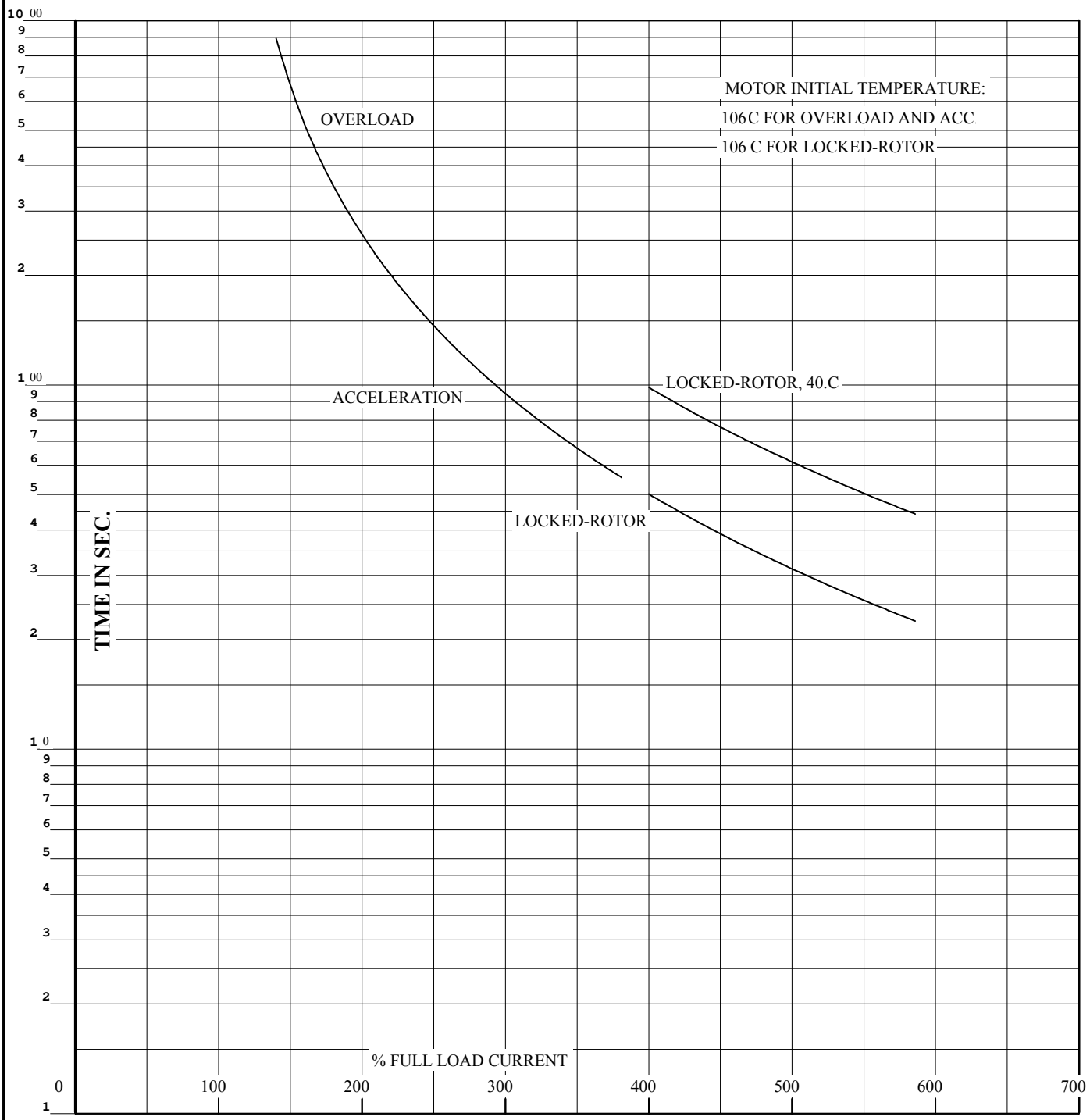
| | |
|---|---|
| DR. BY | W. L. SMITH |
| CK. BY | C.E.JAMISON |
| APP. BY | W. L. SMITH |
| DATE | 08/16/19 |

**A–C MOTOR PERFORMANCE CURVES**

A36WG1044-R010

ISSUE DATE 10/30/20

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| REL. S.O. | | RPM | 890 | S.F. | 1.15 | ROTOR | 418141088GE |
| FRAME | 365T | VOLTS | 230/460 | NEMA DESIGN | B | TEST S.O. | TYPICAL DATA |
| HP | 40 | AMPS | 106/52.9 | CODE LETTER | G | TEST DATE | --- |
| TYPE | P | DUTY | CONT | ENCLOSURE | TEFC | STATOR RES.@ 25 °C | .0486/.194 |
| PHASE/HERTZ | 3/60 | AMB °C/INSUL | 40/F | E/S | - | | OHMS (BETWEEN LINES) |




THERMAL LIMIT CURVE

REMARKS: NEMA NOM. EFF. 91.7 PCT.

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

617428-593

# DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

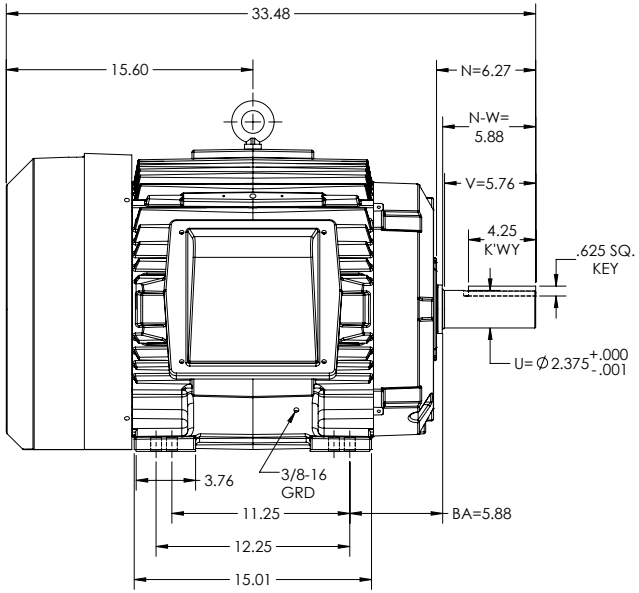
MOUNTING: FOOT, F-1 SIDE

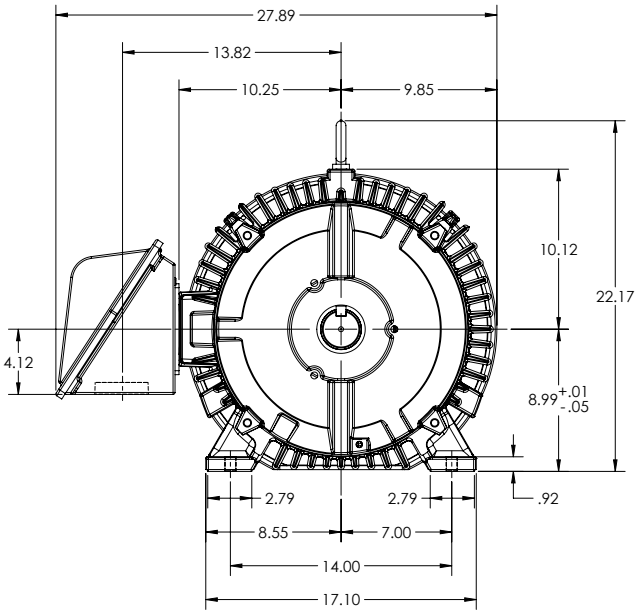
FRAME E365T
INCLUDES E364T FRAME MOUNTING HOLES

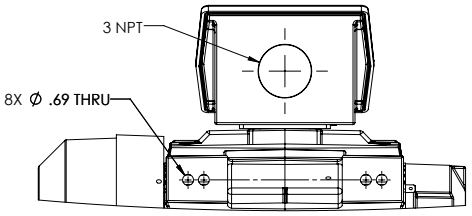
CAST IRON CONDUIT BOX

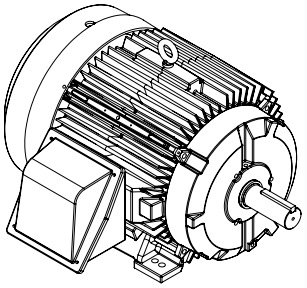
COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY



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.

| | | | |
|---|---|---|---|
| REV. DESC: REMOVE SLINGER NOTE | | | |
| REV: A | VERSION: 01 | REVISED: 08:44:29 03/26/2020 | TDR: 000001135936 |
| MODEL NO. 617428-593 | | | |
| BY: RAGJSS1 | | | C |

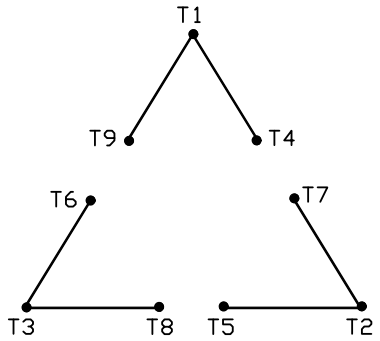
BALDOR

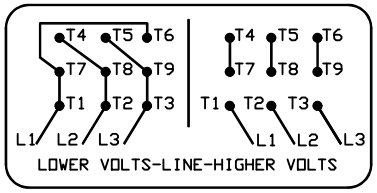
E365/4T TEFC F1 FT SEVERE-

617428-593

416820-002

# A-C MOTOR
# CONNECTION DIAGRAM
# STANDARD 9 LEAD DELTA-CONNECTED




(N. P. 1575-B)

416820-002

| | | |
|---|---|---|
| REV. DESC: ADJUST TEXT DARKNESS | | |
| REV. LTR: B | VERSION: 02 | TDR: 000001285318 |
| FILE: \RAG\00022\453 | REVISED: 09:36:26 09/24/2026 | BY: USJOSUL |
| MTL: – | | |

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1