ABB BALDOR RELIANCE

# Customer information packet

## CEWDM4313T

75HP, 3555RPM, 3PH, 60HZ, 365TSC, TEFC, F1
Class - None
Division - Not Applicable

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11/16/2026 4:11:10 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 365TSC |
| **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** | 75.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 3600 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** | 80.700 A @ 460.0 V |
| | 161.000 A @ 230.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 94.5 % |
| **Enclosure Modification** | Severe Duty Features |
| **Feedback Device** | NO FEEDBACK |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 80.7 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.** | A36WG0319 |
| **Layout** | 617428-135 |
| **Eff. date** | 10-01-2021 |
| **CD Diagram** | 416820-002 |
| **Poles** | 02 |
| **Leads** | 3#2,6#4 |
| **Proprietary** | False |
| **Created date** | 08-22-2019 |

| | |
|---|---|
| **Lifting Lugs** | Standard Lifting Lugs |
| **Motor Lead Quantity/Wire Size** | 3 @ 2 AWG |
| **Motor Standards** | NEMA |
| **Motor Type** | A36068M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 2 |
| **Overall Length** | 31.35 IN |
| **Power Factor** | 92 |
| **Product Family** | Washdown Features |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.875 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 3555 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.** | A36-7829-0319 | **CAT.NO.** | CEWDM4313T | | | | | | | **FRAME** | 365TSC | |
| **HP** | 75 | **VOLTS** | 230/460 | **PHASE** | 3 | **DESIGN** | B | **TYPE** | P | | | |
| **RPM** | 3555 | **AMPS** | 161/80.7 | **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** | 92 | | | | | **NEMA-NOM-EFFICIENCY** | | 94.5 | | |
| | | | | | | **MAX CORR KVAR** | 5 | **GUARANTEED EFFICIENCY** | | 93.6 | | |
| | IP55 | | | | | **NEMA NOM/CSA QUOTED EFF** | | | | | | |
| | 4:1CT AND 4:1VT ON VPWM INVERT | | | | ER, 1.00SF | | | | | **MOTOR WEIGHT** | | |

| REL. S.O. | FRAME | HP | TYPE | PHASE/ HERTZ | RPM | VOLTS |
|---|---|---|---|---|---|---|
| | 365TC | 75 | P | 3/60 | 3555 | 230/460 |

| AMPS | DUTY | AMB °C/ INSUL. | S.F. | NEMA DESIGN | CODE LETTER | ENCL. |
|---|---|---|---|---|---|---|
| 161/80.7 | CONT | 40/F | 1.15 | B | G | TEFC |

| E/S | ROTOR | TEST S.O. | TEST DATE | STATOR RES.@25 °C OHMS (BETWEEN LINES) |
|---|---|---|---|---|
| 892019 | 418141005TE | --- | --- | .0186/.0744 |

**PERFORMANCE**

| LOAD | HP | AMPERES | RPM | % POWER FACTOR | % EFFICIENCY |
|---|---|---|---|---|---|
| NO LOAD | 0 | 15.5 | 3600 | 8.92 | 0 |
| 1/4 | 18.8 | 24.5 | 3589 | 77.9 | 92.0 |
| 2/4 | 37.5 | 40.8 | 3578 | 90.8 | 94.8 |
| 3/4 | 56.2 | 60.0 | 3567 | 92.2 | 95.3 |
| 4/4 | 75.0 | 80.7 | 3555 | 91.6 | 95.1 |
| 5/4 | 93.8 | 102 | 3542 | 90.9 | 94.6 |
| | | | | | |

**SPEED TORQUE**

| | RPM | TORQUE % FULL LOAD | TORQUE LB.-FT. | AMPERES |
|---|---|---|---|---|
| LOCKED ROTOR | 0 | 218 | 242 | 536 |
| PULL UP | 1565 | 190 | 210 | 440 |
| BREAKDOWN | 3395 | 230 | 255 | 259 |
| FULL LOAD | 3555 | 100 | 111 | 80.7 |

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

REMARKS: TYPICAL DATA
XE MOTOR-NEMA NOM. EFF. 94.5 %
GUARANTEED MIN. EFF. 93.6%

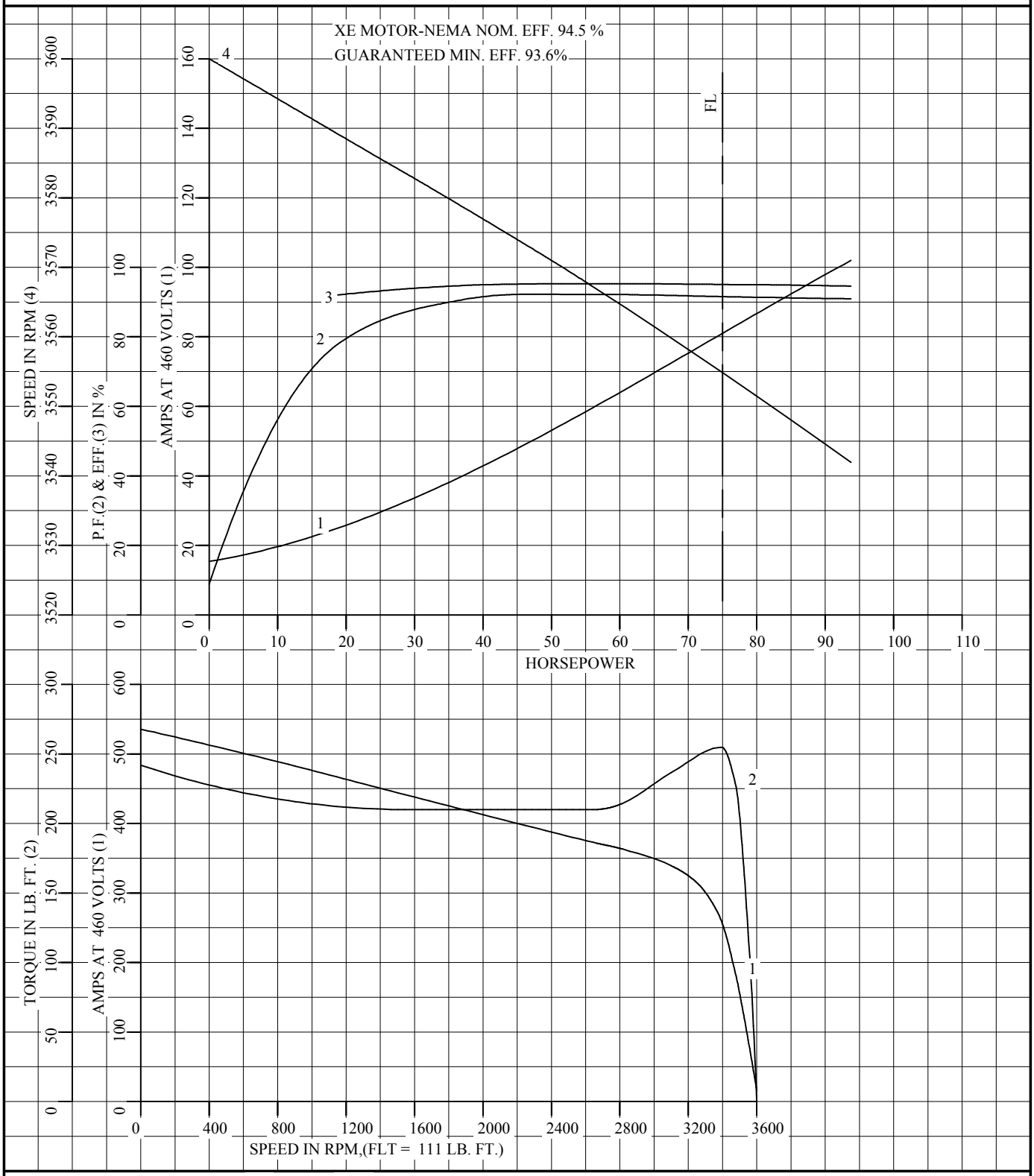
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY J.J.HARRISON
CK. BY G. R. WEBB
APP. BY W.L.SMITH
DATE 10/16/02

A-C MOTOR PERFORMANCE DATA

A36WG0319-R001
ISSUE DATE 04/14/21

| | | | |
|---|---|---|---|
| REL S.O. | RPM 3555 | S.F. 1.15 | ROTOR 418141005TE |
| FRAME 365TC | VOLTS 230/460 | NEMA DESIGN B | TEST S.O. TYPICAL DATA |
| HP 75 | AMPS 161/80.7 | CODE LETTER G | TEST DATE --- |
| TYPE P | DUTY CONT | ENCLOSURE TEFC | STATOR RES.@ 25 °C .0186/.0744 |
| PHASE/HERTZ 3/60 | AMB °C/INSUL 40/F | E/S 892019 | OHMS (BETWEEN LINES) |




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

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A MEMBER OF THE ABB GROUP

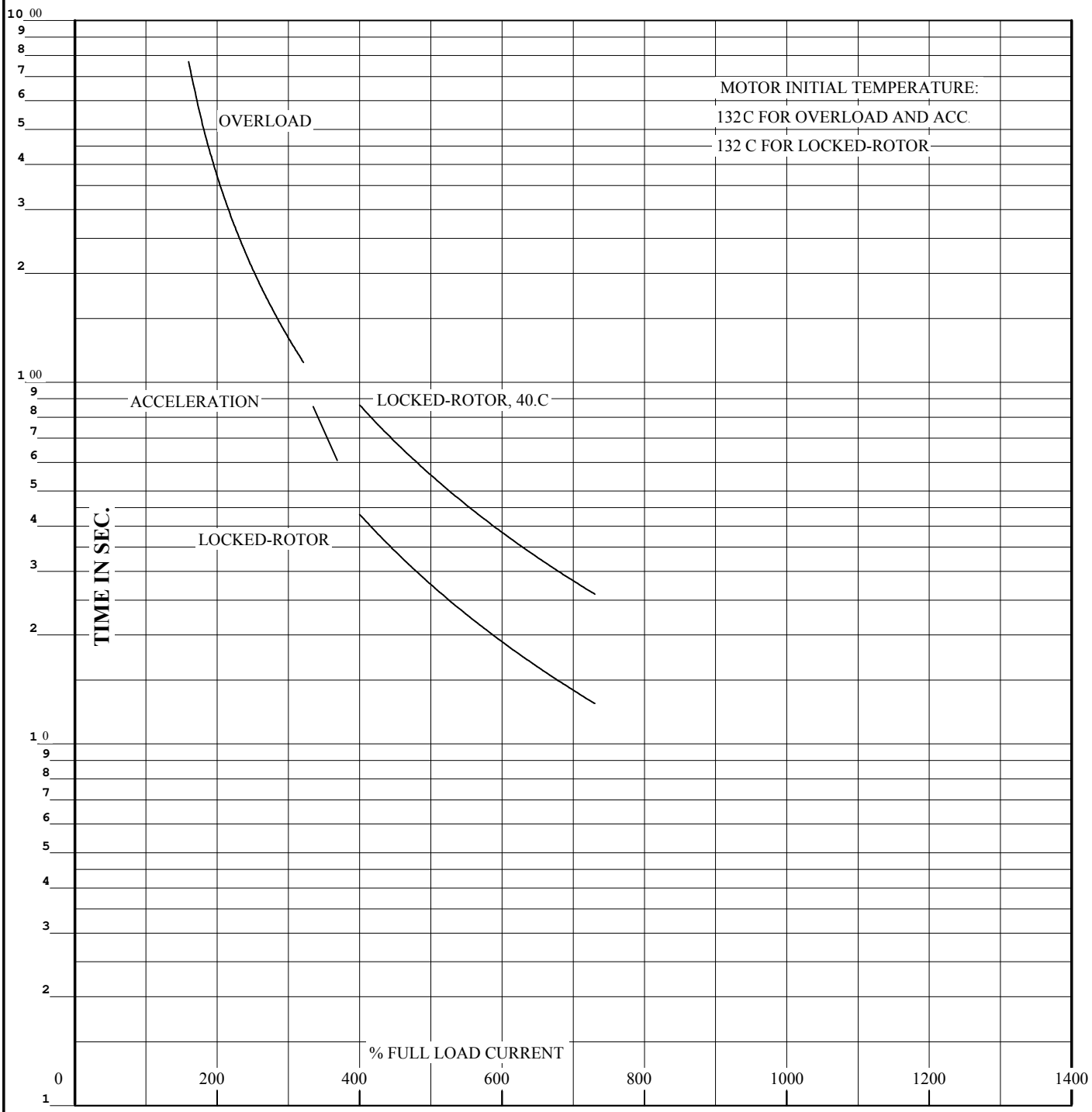
| | |
|---|---|
| DR. BY | J.J.HARRISON |
| CK. BY | G. R. WEBB |
| APP. BY | W.L.SMITH |
| DATE | 10/16/02 |

**A-C MOTOR PERFORMANCE CURVES**

A36WG0319-R001

ISSUE DATE 04/14/21

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| REL. S.O. | | RPM | 3555 | S.F. | 1.15 | ROTOR | 418141005TE |
| FRAME | 365TC | VOLTS | 230/460 | NEMA DESIGN | B | TEST S.O. | TYPICAL DATA |
| HP | 75 | AMPS | 161/80.7 | CODE LETTER | G | TEST DATE | --- |
| TYPE | P | DUTY | CONT | ENCLOSURE | TEFC | STATOR RES.@ 25 °C | .0186/.0744 |
| PHASE/HERTZ | 3/60 | AMB °C/INSUL | 40/F | E/S | 892019 | | OHMS (BETWEEN LINES) |




**REMARKS:**

THERMAL LIMIT CURVE

XE MOTOR-NEMA NOM. EFF. 94.5 %

GUARANTEED MIN. EFF. 93.6%

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

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| | |
|---|---|
| DR. BY | J.J.HARRISON |
| CK. BY | G. R. WEBB |
| APP. BY | W.L.SMITH |
| DATE | 10/16/02 |

**A–C MOTOR PERFORMANCE CURVES**

**A36WG0319-R001**

**ISSUE DATE** 04/14/21

# DUTY MASTER ALTERNATING CURRENT MOTORS

617428-135

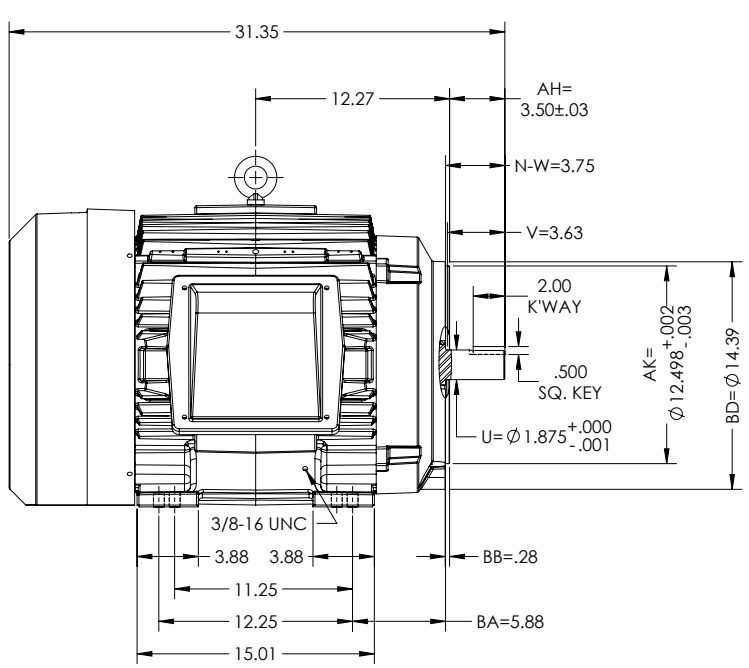
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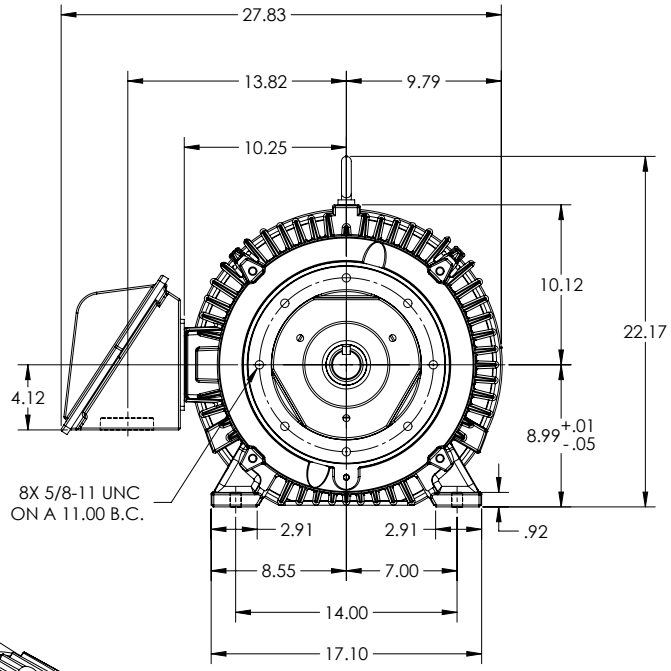
SQUIRREL-CAGE INDUCTION

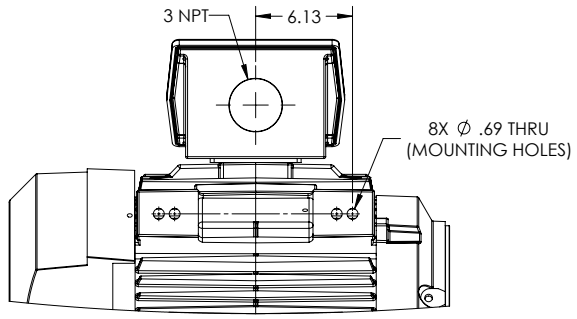
MOUNTING: FOOT, F-1 SIDE

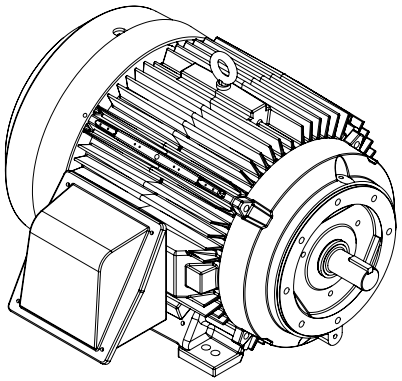
E365TSC/E364TSC MOUNTING HOLES

COOLING: FAN COOLED



DIMENSIONS ARE IN INCHES.
WEIGHT =900 LBS +/- 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

FACE & ECCENTRICITY RUNOUT = .007 T.I.R.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

SHEET NUMBER 1 OF 2

617428-135

| | | | |
|---|---|---|---|
| REV. DESC: UPDATE DS QUALITY | | | |
| REV: A | VERSION: 01 | REVISED: 11:26:22 07/25/2023 | TDR: 000001213202 |
| MODEL NO. 617428-135 | | | |
| BY: USJEDIL | | | C |

BALDOR

E365/364TSC TEFC FOOT F1/CAST IRON CONDUIT BOX

617428-135

# DUTY MASTER ALTERNATING CURRENT MOTORS

617428-135

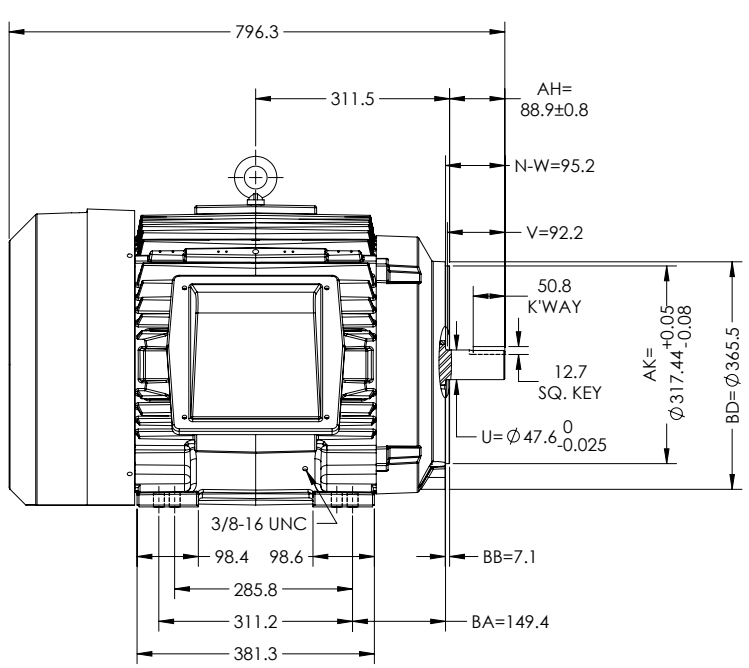
ENCLOSURE: TOTALLY ENCLOSED

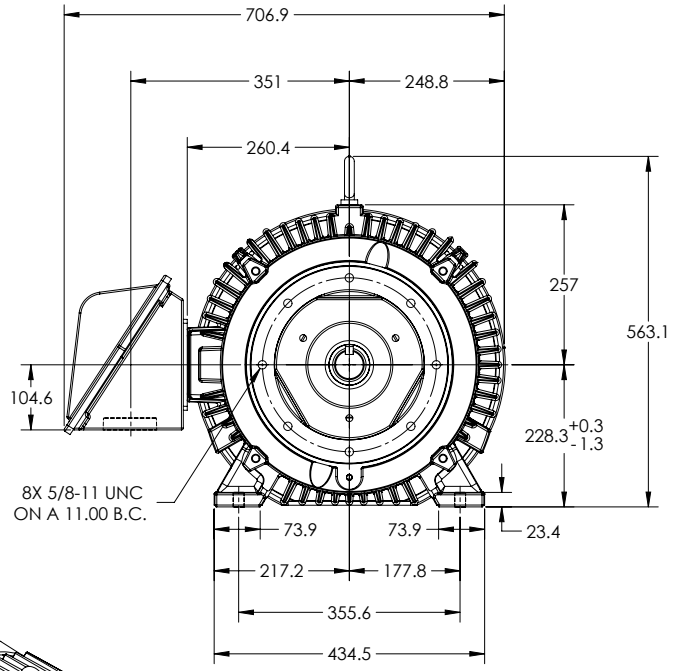
SQUIRREL-CAGE INDUCTION

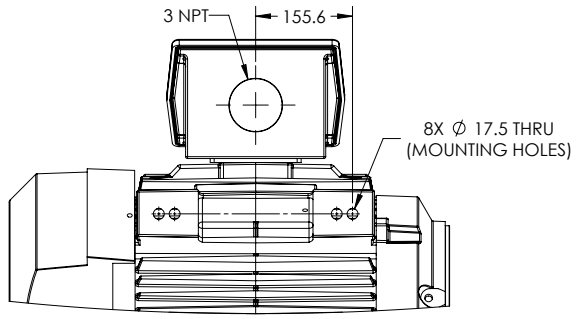
MOUNTING: FOOT, F-1 SIDE

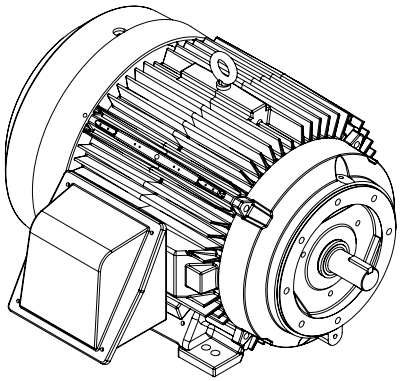
E365TSC/E364TSC MOUNTING HOLES

COOLING: FAN COOLED



DIMENSIONS ARE IN MILLIMETERS.
WEIGHT = 408 KG +/- 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

FACE & ECCENTRICITY RUNOUT = .18 T.I.R.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 T.I.R.

SHEET NUMBER 2 OF 2

617428-135

| | | | |
|---|---|---|---|
| REV. DESC: UPDATE DS QUALITY | | | |
| REV: A | VERSION: 01 | REVISED: 11:26:22 07/25/2023 | TDR: 000001213202 |
| MODEL NO. 617428-135 | | | |
| BY: USJEDIL | | C | |

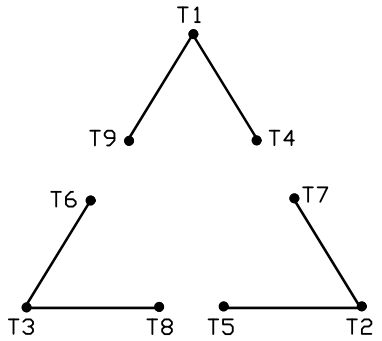
BALDOR

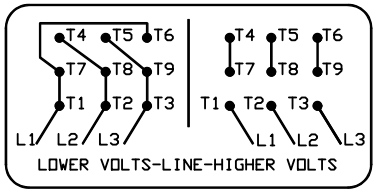
E365/364TSC TEFC FOOT F1/CAST IRON CONDUIT BOX

617428-135

416820-002

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




(N. P. 1575-B)

| | | |
|---|---|---|
| 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

416820-002