

BALDOR • RELIANCE

Customer information packet

CEWDM4310T

60HP, 3560RPM, 3PH, 60HZ, 364TSC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

| | |
|-------------------------------|---|
| Enclosure | TEFC |
| Frame | 364TSC |
| 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 | 60.000 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 | 66.100 A @ 460.0 V 132.000 A @ 230.0 V |
| Design Code | B |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 93.6 % |
| Enclosure Modification | Severe Duty Features |
| Feedback Device | NO FEEDBACK |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 66.1 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. | A36WG1558 |
| Layout | 617428-135 |
| Eff. date | 10-01-2021 |
| CD Diagram | 416820-002 |
| Poles | 02 |
| Leads | 3#4,6#6 |
| Proprietary | False |
| Created date | 08-22-2019 |

| Lifting Lugs | Standard Lifting Lugs |
|--------------------------------------|------------------------------|
| Motor Lead Quantity/Wire Size | 3 @ 4 AWG |
| Motor Standards | NEMA |
| Motor Type | A36056M |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 31.35 IN |
| Power Factor | 91 |
| 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 | 3560 rpm |
| Speed Code | Single Speed |
| Starting Method | Direct on line |
| Thermal Device - Bearing | None |
| Thermal Device - Winding | None |

Nameplate

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

| | | | | | | |
|--------------|-------------|-------------------------------|-------------------|--|-----------------|---------|
| REL. S.O. | FRAME | HP | TYPE | PHASE/HERTZ | RPM | VOLTS |
| | 364TS | 60 | P | 3/60 | 3560 | 230/460 |
| AMPS | DUTY | AMB ^o C/ INSUL. | S.F. | NEMA DESIGN | CODE LETTER | ENCL. |
| 132/66.1 | CONT | 40/F | 1.15 | B | G | TEFC |
| E/S | ROTOR | TEST S.O. | TEST DATE | STATOR RES. @25 ^o C (OHMS (BETWEEN LINES)) | | |
| 491281 | 418141005XE | --- | --- | .0254/.101 | | |
| PERFORMANCE | | | | | | |
| LOAD | HP | AMPERES | RPM | % POWER FACTOR | % EFFICIENCY | |
| NO LOAD | 0 | 14.0 | 3600 | 13.0 | 0 | |
| 1/4 | 15.0 | 21.3 | 3590 | 74.9 | 87.8 | |
| 2/4 | 30.0 | 34.5 | 3580 | 88.3 | 92.4 | |
| 3/4 | 45.0 | 49.7 | 3569 | 90.8 | 93.5 | |
| 4/4 | 60.0 | 66.1 | 3558 | 90.8 | 93.6 | |
| 5/4 | 75.0 | 83.0 | 3546 | 90.7 | 93.3 | |
| SPEED TORQUE | | | | | | |
| LOCKED ROTOR | RPM | % FULL LOAD | TORQUE LB.-FT. | AMPERES | | |
| | 0 | 203 | 180 | 435 | | |
| PULL UP | 1565 | 175 | 155 | 355 | | |
| BREAKDOWN | 3397 | 231 | 205 | 212 | | |
| FULL LOAD | 3558 | 100 | 88.6 | 66.1 | | |

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. 93.6 %
 GUARANTEED MIN. EFF. 92.4 %

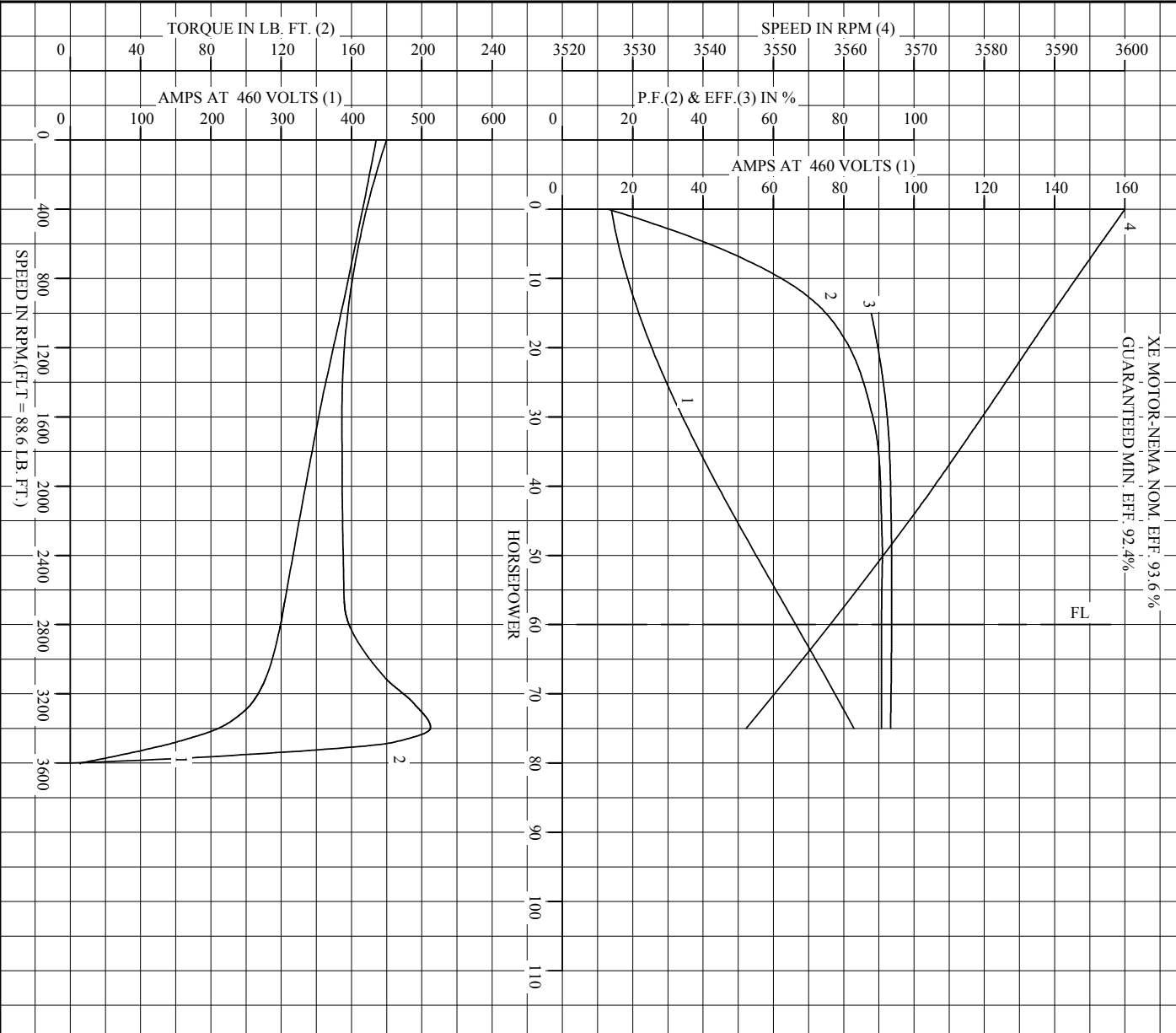


DR. BY M. I. SMITH
 CK. BY G. R. WEBB
 APP. BY E. J. CHRISTIAN
 DATE 03/11/02

A-C MOTOR PERFORMANCE DATA
 A36WG1558-R007
 ISSUE DATE 08/30/19

| | | | | | | | |
|--------------|--------|--------------|----------|-------------|--------|----------------------|--------------|
| REL. S. O. | | RPM | 3560 | S. F. | 1.15 | ROTOR | 418141005XE |
| FRAME | 364TSS | VOLTS | 230/460 | NEMA DESIGN | B | TEST S. O. | TYPICAL DATA |
| HP | 60 | AMPS | 132/66.1 | CODE LETTER | G | TEST DATE | --- |
| TYPE | P | DUTY | CONT | ENCLOSURE | TEFC | STATOR RES. @ 25 °C | .0254/.101 |
| PHASR./HERTZ | 3/60 | AMB °C/INSUL | 40/F | E/S | 491281 | OHMS (BETWEEN LINES) | |

XE MOTOR-NEMA NOM. EFF. 93.6%
 GUARANTEED MIN. EFF. 92.4%



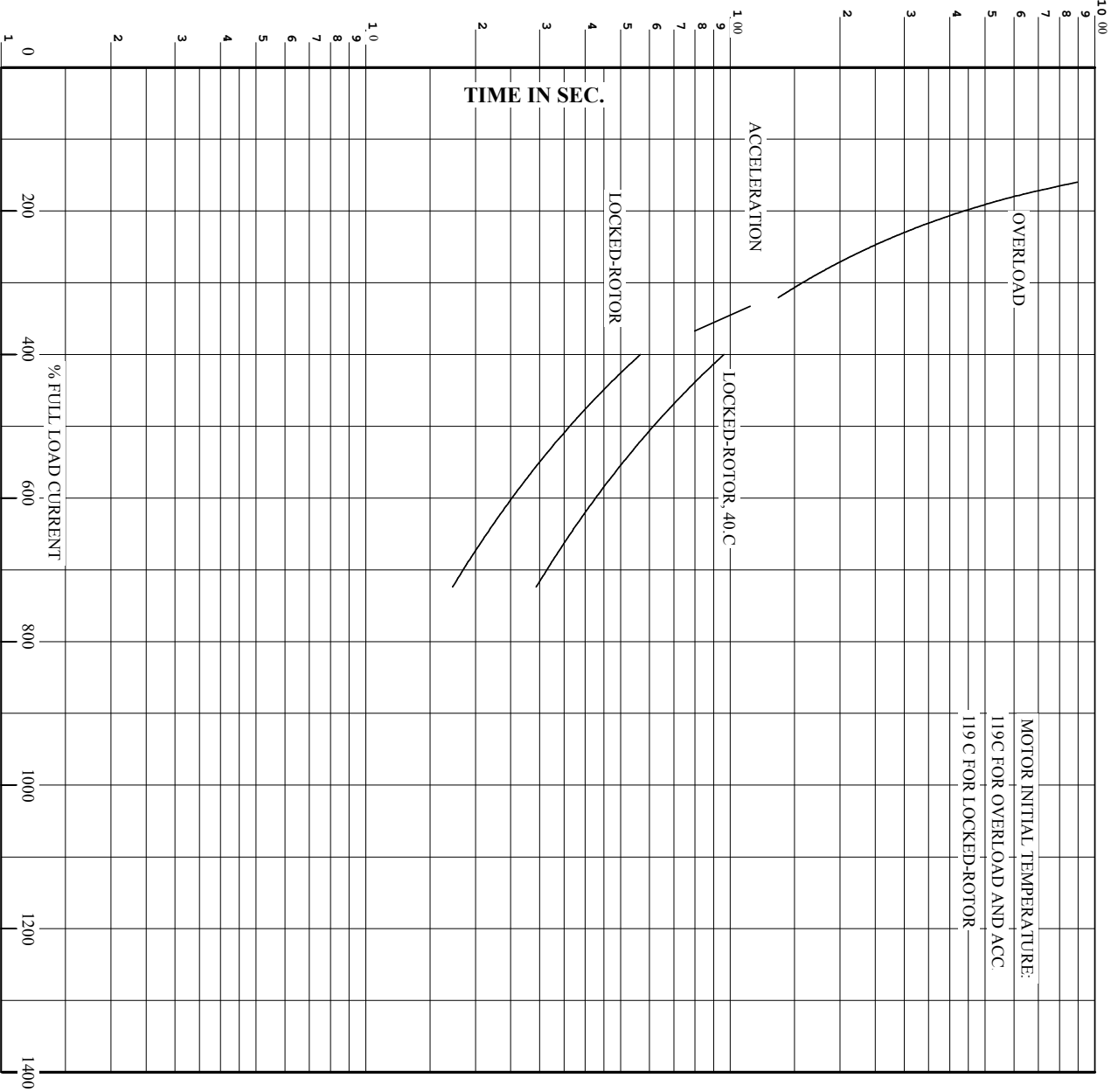
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.



DR. BY W. I. SMITH
 CK. BY G. R. WEBB
 App. BY E. CHRISTIAN
 DATE 03/11/02

A-C MOTOR PERFORMANCE CURVES
 A36WG1558-R007
 ISSUE DATE 08/30/19

REL. S.O. **364TS** RPM **3560** S.F. **1.15** ROTOR **418141005XE**
 FRAME **60** VOLTS **230/460** NEMA DESIGN **B** TEST S.O. **TYPICAL DATA**
 HP **60** AMPS **132/66.1** CODE LETTER **G** TEST DATE **---**
 TYPE **P** DUTY **CONT** ENCLOSURE **TEFC** STATOR RES @ 25 °C **0.0254/.101**
 PHASE/HERTZ **3/60** AMB °C/INSUL **40/F** E/S **491281** OMS (BETWEEN LINES)



REMARKS: THERMAL LIMIT CURVE
 XE MOTOR-NEMA NOM. EFF. 93.6 %
 GUARANTEED MIN. EFF. 92.4%

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 <u>W. L. SMITH</u> | A-C MOTOR |
| | CK. BY <u>G. R. WEBB</u> | |
| | APP. BY <u>E. J. CHRISTIAN</u> | PERFORMANCE |
| | DATE <u>03/11/02</u> | |
| | | A36WG1558-R007 |
| | | ISSUE DATE <u>08/30/19</u> |

617428-135

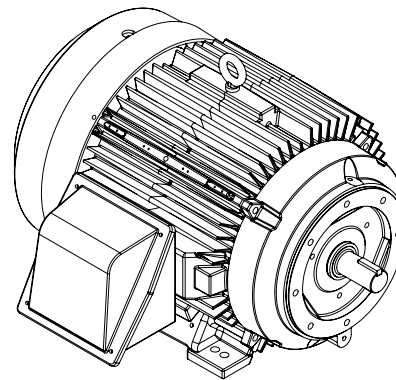
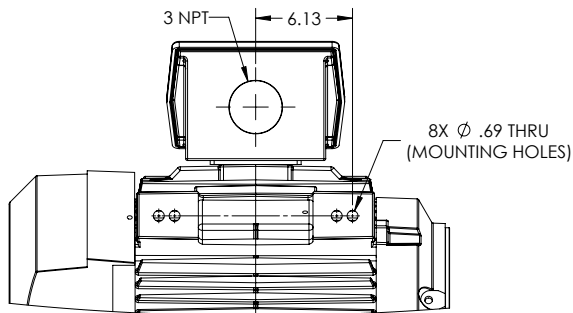
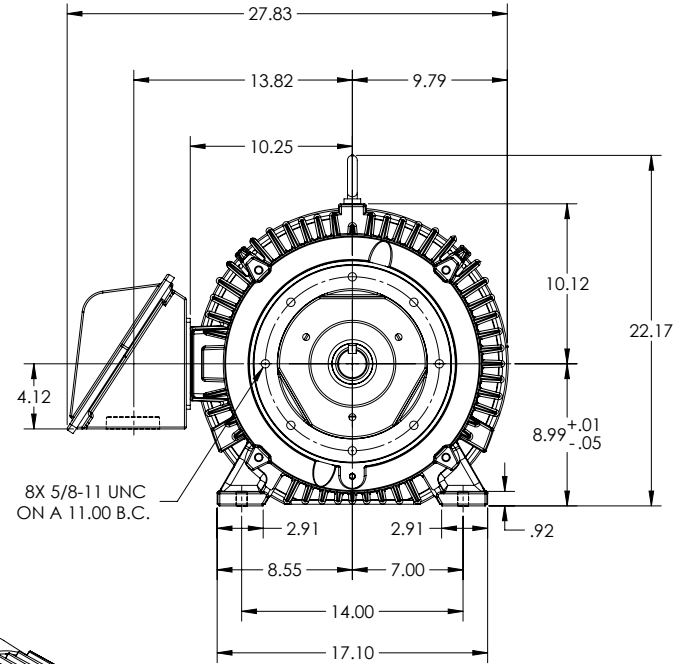
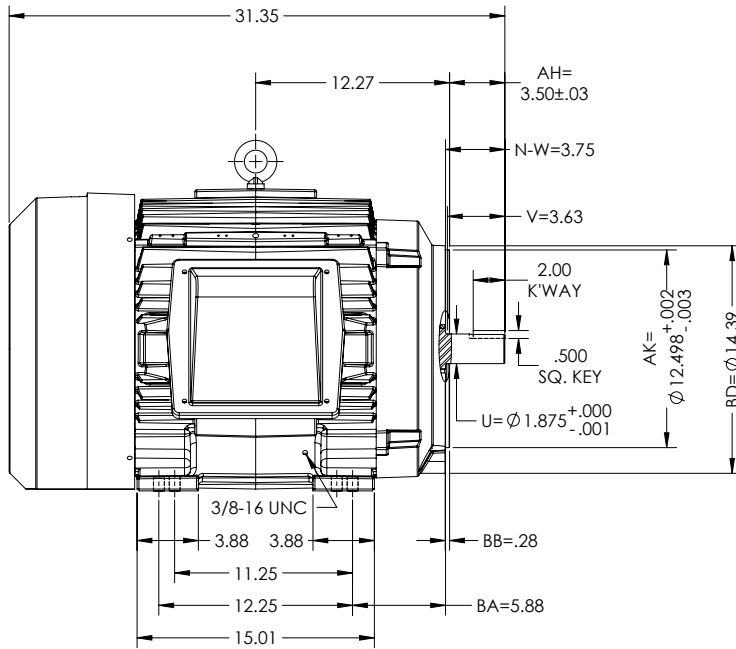
DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

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.

SHEET NUMBER
1 OF 2

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.

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

BALDOR

E365364TSC TEFC FOOT FC/CAST IRON CONDUIT BOX

617428-135

617428-135

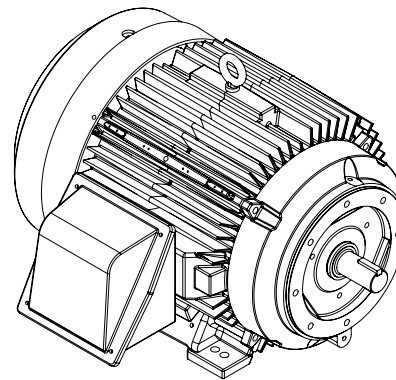
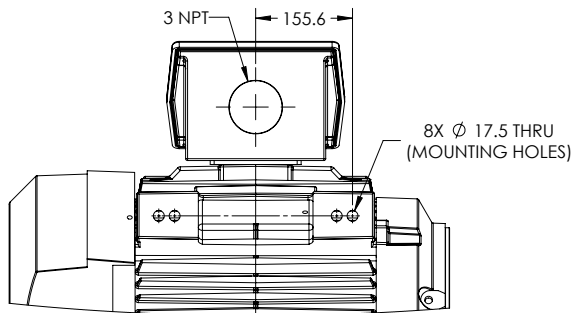
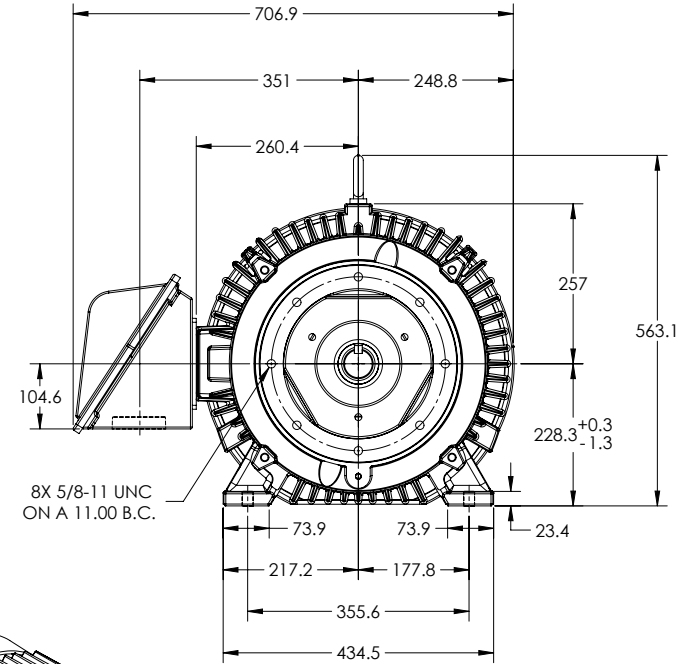
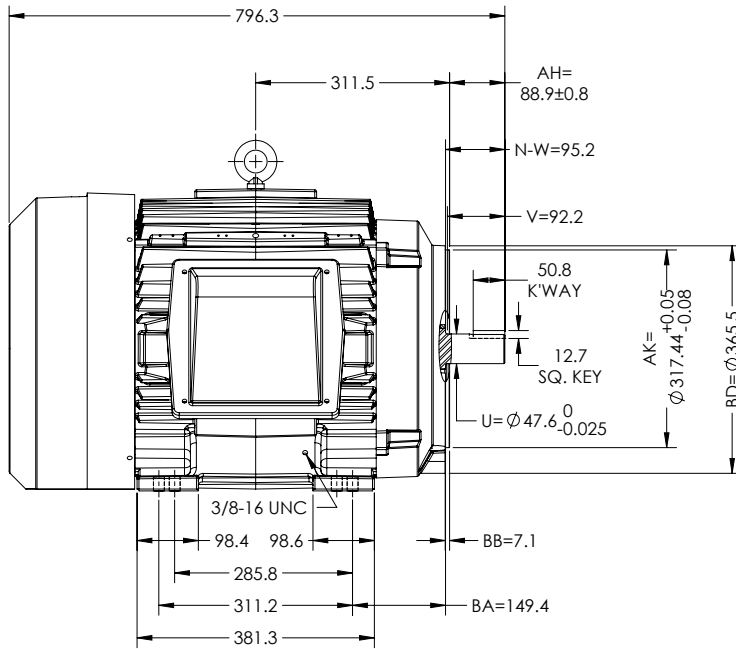
DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

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.

SHEET NUMBER
2 OF 2

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.

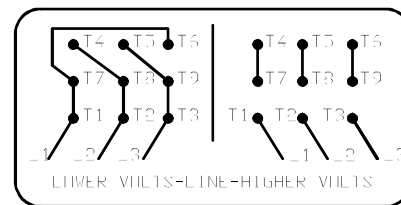
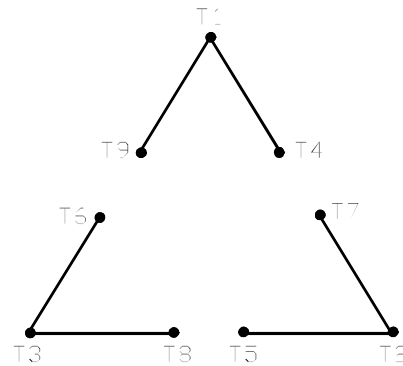
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| REV. DESC: UPDATE DS QUALITY | | | |
| REV: A | VERSION: 01 | REVISED: 11-26-22 07:25/2023 | TDR: 000001213202 |
| MODEL NO. 617428-135 | | | |
| BY: USJEDIL | | | |

BALDOR
E365364TSC 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)

416820-002

| | | |
|---|------------------------------|-------------------|
| REV. DESC: FONT CHANGE FOR PDF SEARCHABLE | | |
| REV. LTR: A | VERSION: 01 | TDR: 000001009382 |
| FILE: \MGA\00000\661 | REVISED: 02:46:19 02/13/2020 | BY: MGHMTT |
| MTL: - | © □ | |

BALDOR - RELIANCE®

CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1