

BALDOR • RELIANCE

Customer information packet

EM4404T

75HP, 1185RPM, 3PH, 60HZ, 405T, A4072M, TEFC, F

Class - None

Division - Not Applicable

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Specifications

| | |
|-------------------------------|--|
| Enclosure | TEFC |
| Frame | 405T |
| 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 | 1200 RPM @ 60 HZ |
| Voltage @ Frequency | 230.0 V @ 60 HZ 460.0 V @ 60 HZ |
| Agency Approvals | CCSAUSEEV |
| Ambient Temperature | 40 °C |
| Auxillary Box | No Auxillary Box |
| Base Indicator | Rigid |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Current @ Voltage | 174.000 A @ 230.0 V 190.000 A @ 208.0 V 86.900 A @ 460.0 V |
| Design Code | B |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 95.0 % |
| Feedback Device | NO FEEDBACK |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 86.9 a |
| Insulation Class | F |
| Inverter Code | Inverter Ready |
| KVA Code | G |
| Lifting Lugs | Standard Lifting Lugs |
| Motor Lead Quantity/Wire Size | 3 @ 2 AWG |

Part detail

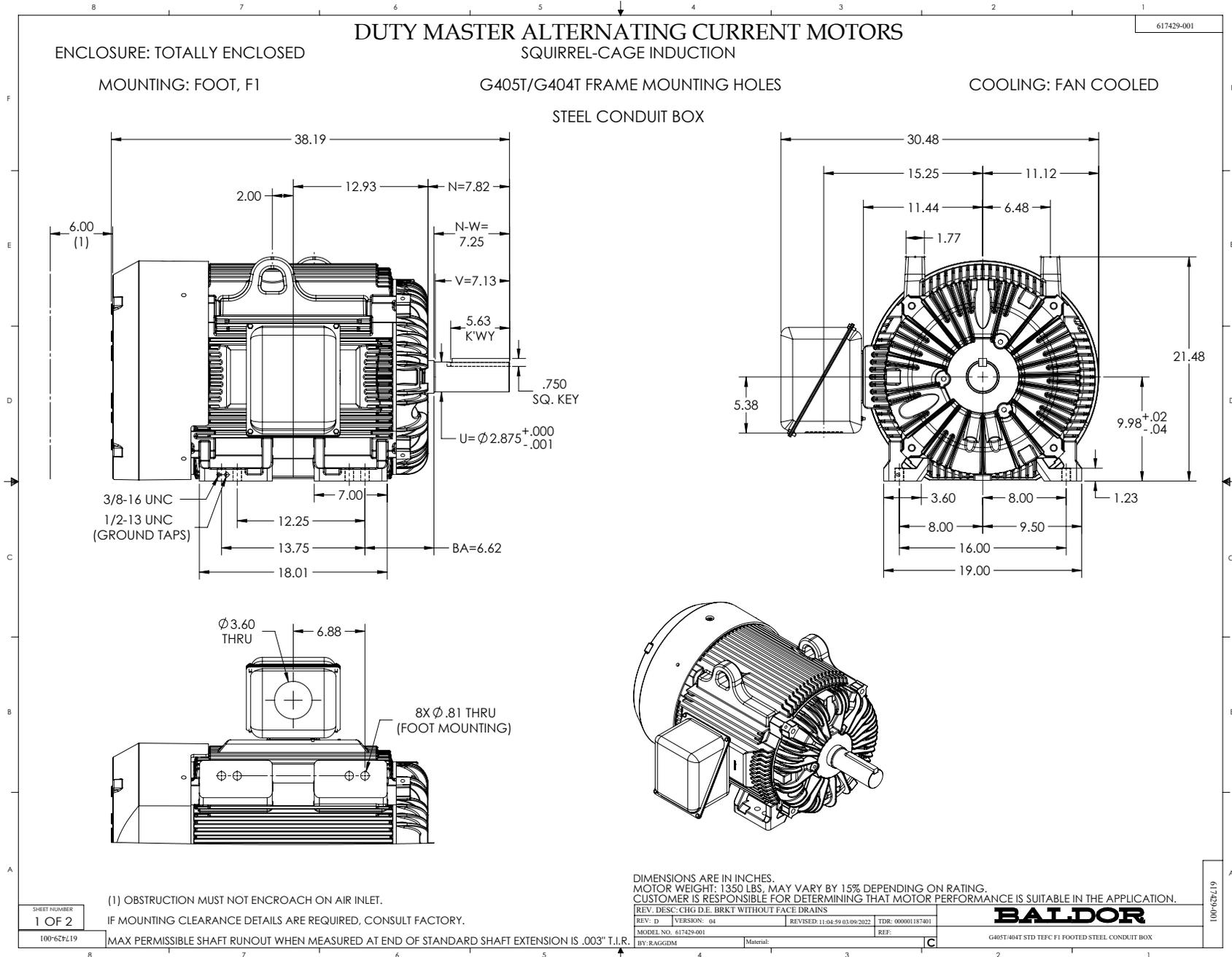
| | |
|--------------|------------|
| Revision | T |
| Type | AC |
| Mech. spec. | |
| Base | |
| Status | PRD/A |
| Elec. spec. | A40WG0770 |
| Layout | 617429-001 |
| Eff. date | 09-04-2024 |
| CD Diagram | 416820-002 |
| Poles | 06 |
| Leads | 3#2,6#4 |
| Proprietary | False |
| Created date | 07-17-2013 |

| | |
|---------------------------------|--------------------|
| Motor Standards | NEMA |
| Motor Type | A40064M |
| Mounting Arrangement | F1 |
| Number of Poles | 6 |
| Overall Length | 38.04 IN |
| Power Factor | 85 |
| Product Family | General Industrial |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | Standard |
| Service Factor | 1.15 |
| Shaft Diameter | 2.875 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 1185 rpm |
| Speed Code | Single Speed |
| Starting Method | Direct on line |
| Thermal Device - Bearing | None |
| Thermal Device - Winding | None |

Nameplate

NP2349L

| | | | | | |
|--------------------------|------------|---------------------|----------|--------------------------------|------|
| SPEC NO. | P40G3931 | CAT.NO. | EM4404T | FRAME | 405T |
| HP | 75 | VOLTS | 230/460 | PHASE | 3 |
| RPM | 1185 | AMPS | 174/86.9 | DESIGN | B |
| DRIVE END BEARING | 80BC03J30X | DUTY | CONT | TYPE | P |
| OPP D.E. BEARING | 80BC03J30X | INSUL.CLASS | F | HZ | 60 |
| SER.NO. | | ENCL | TEFC | AMB | 40 |
| | | CODE | G | SF | 1.15 |
| | | POWER FACTOR | 85 | NEMA-NOM-EFFICIENCY | 95 |
| | | | | MAX CORR KVAR | 15 |
| | | | | GUARANTEED EFFICIENCY | 94.1 |
| | | | | NEMA NOM/CSA QUOTED EFF | |
| | | | | MOTOR WEIGHT | |



617429-001

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTION

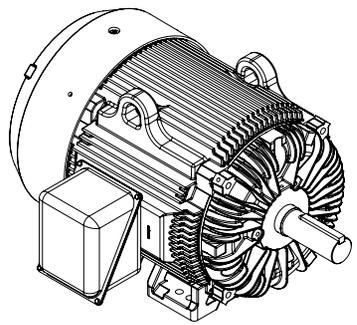
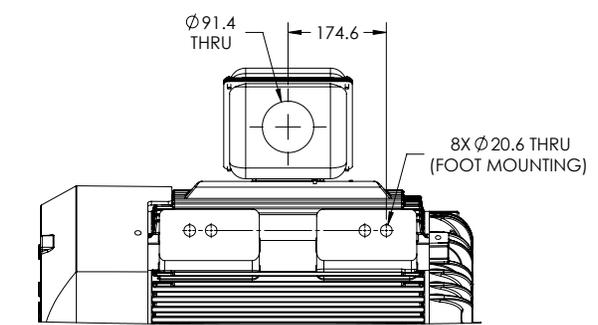
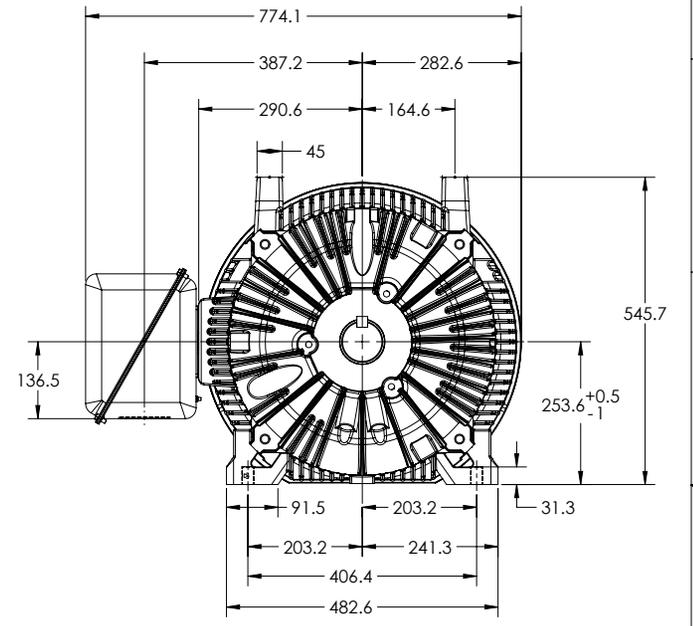
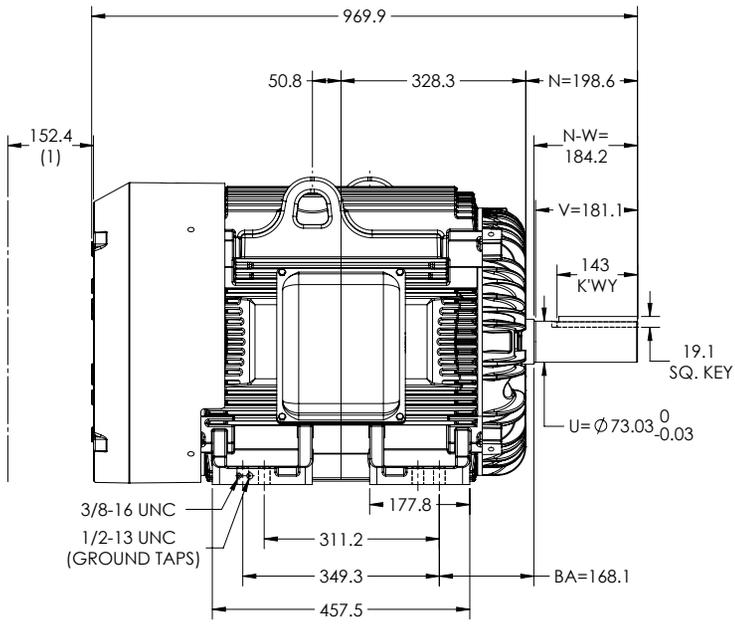
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F1

G405T/G404T FRAME MOUNTING HOLES

COOLING: FAN COOLED

STEEL CONDUIT BOX



(1) OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

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.

DIMENSIONS ARE IN MILLIMETERS.
MOTOR WEIGHT: 612, MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

| | | | |
|--|-------------|---|-------------------|
| REV. DESC: CHG D.E. BRKT WITHOUT FACE DRAINS | | | |
| REV: D | VERSION: 04 | REVISED: 11-04-59 03:09:2022 | TDR: 000001187401 |
| MODEL NO. 617429-001 | | REF: | |
| BY: RAGGDM | Material: | G405T-404T STD TEFC F1 FOOTED STEEL CONDUIT BOX | |

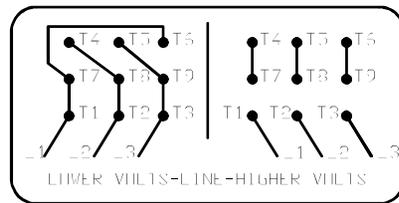
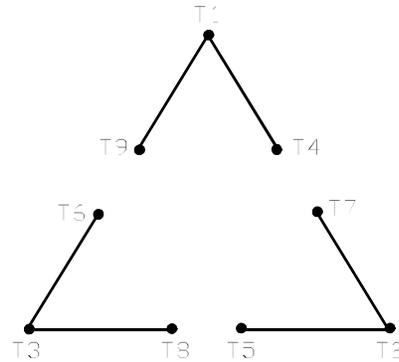
SHEET NUMBER
2 OF 2

100-627219

617429-001

416820-002

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



(N.P. 1575-B)

416820-002

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|---|------------------------------|-------------------|
| 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: - | | © □ |

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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

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