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# Customer information packet

## ECTM4404T-5G

75HP, 1185RPM, 3PH, 60HZ, 405T, A40064M, TEFC

Class - None

Division - Not Applicable

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | TEFC                    |
| Frame                         | 405T                    |
| Frame Material                | Iron                    |
| Frequency                     | 60.00 Hz                |
| Motor Letter Type             | Three Phase             |
| Output @ Frequency            | 75.000 HP @ 60 HZ       |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 1200 RPM @ 60 HZ        |
| Voltage @ Frequency           | 575.0 V @ 60 HZ         |
| XP Class and Group            | None                    |
| XP Division                   | Not Applicable          |
| Agency Approvals              | CCSAUSEEV               |
| Ambient Temperature           | 40 °C                   |
| Auxillary Box                 | No Auxillary Box        |
| Base Indicator                | Rigid                   |
| Bearing Grease Type           | Polyrex EM (-20F +300F) |
| Current @ Voltage             | 69.500 A @ 575.0 V      |
| Design Code                   | B                       |
| Drip Cover                    | No Drip Cover           |
| Duty Rating                   | CONT                    |
| Efficiency @ 100% Load        | 95.0 %                  |
| Feedback Device               | NO FEEDBACK             |
| Heater Indicator              | Heater Included, 115 V  |
| High Voltage Full Load Amps   | 69.5 a                  |
| Insulation Class              | F                       |
| Inverter Code                 | Inverter Ready          |
| KVA Code                      | G                       |
| Lifting Lugs                  | Standard Lifting Lugs   |
| Motor Lead Quantity/Wire Size | 3 @ 4 AWG               |
| Motor Standards               | NEMA                    |
| Motor Type                    | A40064M                 |
| Mounting Arrangement          | F1                      |

## Part detail

|              |            |
|--------------|------------|
| Revision     | A          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | A40WG0771  |
| Layout       | 617433-750 |
| Eff. date    | 06-06-2023 |
| CD Diagram   | 416820-036 |
| Poles        | 06         |
| Leads        | 3#4        |
| Proprietary  | False      |
| Created date | 04-13-2022 |

|                                 |                    |
|---------------------------------|--------------------|
| <b>Number of Poles</b>          | 6                  |
| <b>Overall Length</b>           | 38.19 IN           |
| <b>Power Factor</b>             | 85                 |
| <b>Product Family</b>           | Cooling Tower      |
| <b>Pulley End Bearing Type</b>  | Ball               |
| <b>Pulley Face Code</b>         | Standard           |
| <b>Service Factor</b>           | 1.15               |
| <b>Shaft Diameter</b>           | 2.875 IN           |
| <b>Shaft Ground Indicator</b>   | No Shaft Grounding |
| <b>Shaft Rotation</b>           | Reversible         |
| <b>Shaft Slinger Indicator</b>  | Shaft Slinger      |
| <b>Speed</b>                    | 1185 rpm           |
| <b>Speed Code</b>               | Single Speed       |
| <b>Starting Method</b>          | Direct on line     |
| <b>Thermal Device - Bearing</b> | None               |
| <b>Thermal Device - Winding</b> | None               |

**Nameplate**

**000613007EW**

|                          |              |             |                                |               |             |                              |                    |           |      |
|--------------------------|--------------|-------------|--------------------------------|---------------|-------------|------------------------------|--------------------|-----------|------|
| <b>CAT.NO.</b>           | ECTM4404T-5G |             | <b>SPEC NO.</b>                | A40-7198-0771 |             |                              |                    |           |      |
| <b>HP</b>                | 75HP         | <b>AMPS</b> | 69.5                           | <b>VOLTS</b>  | 575         | <b>DESIGN</b>                | B                  |           |      |
| <b>FRAME</b>             | 405T         | <b>RPM</b>  | 1185                           | <b>HZ</b>     | 60          | <b>AMB</b>                   | 40                 | <b>SF</b> | 1.15 |
| <b>DRIVE END BEARING</b> | 80BC03J30X   |             | <b>PH</b>                      | 3             | <b>DUTY</b> | CONT                         | <b>INSUL.CLASS</b> | F         |      |
| <b>OPP D.E. BEARING</b>  | 80BC03J30X   |             | <b>TYPE</b>                    | P             | <b>ENCL</b> | TEFC                         | <b>CODE</b>        | G         |      |
| <b>D.E.BRG.DATA</b>      | 6316         |             | <b>POWER FACTOR</b>            | 85            |             | <b>NEMA NOM EFFICIENCY</b>   | 95                 |           |      |
| <b>O.D.E.BRG.DATA</b>    | 6316         |             | <b>MAX CORR KVAR</b>           | 15.00         |             | <b>GUARANTEED EFFICIENCY</b> | 94.1               |           |      |
| <b>3/4 LOAD EFF.</b>     | 95           |             | <b>NEMA NOM/CSA QUOTED EFF</b> |               |             |                              |                    |           |      |
| <b>SER.NO.</b>           |              |             | <b>MOTOR WEIGHT</b>            |               |             |                              |                    |           |      |

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**000901002AAA**

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INV DUTY 20:1 VT

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617433-750

# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

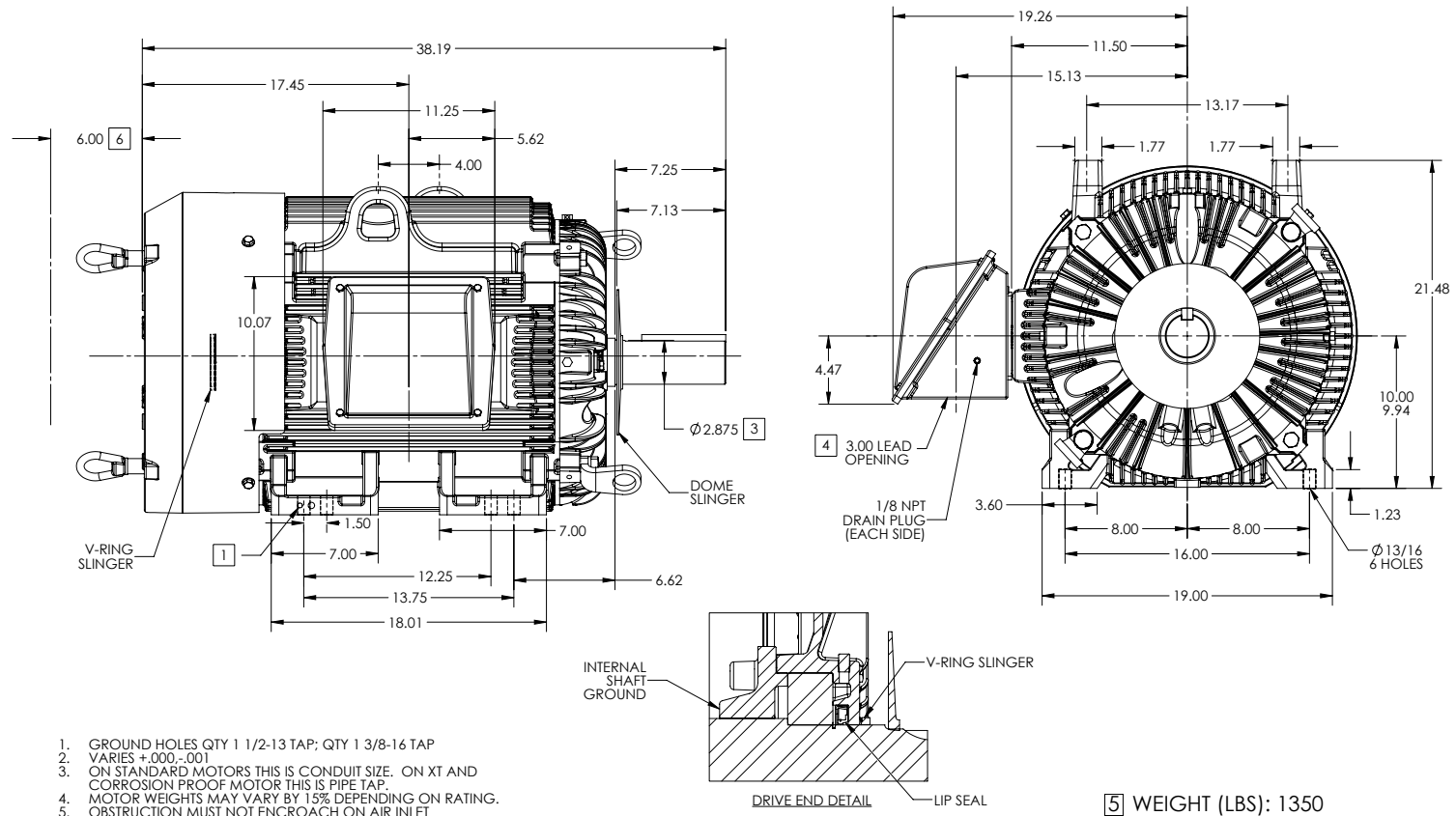
FRAME G405T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404T FRAME MOUNTING HOLES

STANDARD INDUSTRIAL ENCLOSURE



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.000,-.001
3. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-1. 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.

SHEET NUMBER  
1 OF 1

05C-337219

|                      |             |                              |                   |
|----------------------|-------------|------------------------------|-------------------|
| REV. DESC: NEW       | VERSION: 00 | REVISED: 02-16-38 04/26/2022 | TDR: 000001187873 |
| MODEL NO. 617433-750 | REF:        |                              |                   |
| BY: USBUFRA          | Material:   |                              |                   |

**BALDOR**

G405T-404T STD - FOOTED - STD ENCL F1 LIPSEAL/V-SLG D.E.

617433-750

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 |                                |                   |
| REV. LTR: -                          | VERSION: 00                    | TDR: 000000538207 |
| FILE: \MGA\00000\682                 | REVISED: 11: 54: 06 04/30/2010 |                   |
| MTL: -                               | BY: RAGRA                      |                   |

**BALDOR**

CONN DIAG - STANDARD 3 LEAD  
SH 1 of 1