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# Customer information packet

## DRX36744T-5

75HP, 1780RPM, 3PH, 60HZ, 365T, TEFC, F1

Class - CLI GP C,D

Division - Division I

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | TEFC                    |
| Frame                         | 365T                    |
| Frame Material                | Iron                    |
| Frequency                     | 60.00 Hz                |
| Haz Area Class and Group      | CLI GP C,D              |
| Haz Area Division             | Division I              |
| Motor Letter Type             | Three Phase             |
| Output @ Frequency            | 75.000 HP @ 60 HZ       |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 1800 RPM @ 60 HZ        |
| Voltage @ Frequency           | 575.0 V @ 60 HZ         |
| Agency Approvals              | CCSAUSEEV<br>CSA<br>UL  |
| Ambient Temperature           | 40 °C                   |
| Auxiliary Box                 | NO AUXILLARY BOX        |
| Base Indicator                | Rigid                   |
| Bearing Grease Type           | Polyrex EM (-20F +300F) |
| Constant Torque Speed Range   | 10-60                   |
| Current @ Voltage             | 68.500 A @ 575.0 V      |
| Design Code                   | B                       |
| Drip Cover                    | No Drip Cover           |
| Duty Rating                   | CONT                    |
| Efficiency @ 100% Load        | 95.4 %                  |
| Feedback Device               | NO FEEDBACK             |
| Haz Area Temp Code            | T3C                     |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 68.5 a                  |
| Insulation Class              | F                       |
| Inverter Code                 | Inverter Ready          |
| IP Rating                     | NONE                    |
| KVA Code                      | G                       |

## Part detail

|              |            |
|--------------|------------|
| Revision     | A          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | A36WG4078  |
| Layout       | 611742-772 |
| Eff. date    | 02-13-2025 |
| CD Diagram   | 416820-036 |
| Poles        | 04         |
| Leads        | 3#4        |
| Proprietary  | False      |
| Created date | 07-16-2019 |

| Lifting Lugs                  | Standard Lifting Lugs      |
|-------------------------------|----------------------------|
| Max Speed                     | 3600 rpm                   |
| Motor Lead Quantity/Wire Size | 3 @ 4 AWG                  |
| Motor Standards               | NEMA                       |
| Motor Type                    | A36070M                    |
| Mounting Arrangement          | F1                         |
| Number of Poles               | 4                          |
| Overall Length                | 33.48 IN                   |
| Power Factor                  | 86                         |
| Product Family                | General Industrial         |
| Pulley End Bearing Type       | Ball                       |
| Pulley Face Code              | Standard                   |
| Service Factor                | 1.00                       |
| Shaft Diameter                | 2.374 IN                   |
| Shaft Ground Indicator        | No Shaft Grounding         |
| Shaft Rotation                | Reversible                 |
| Shaft Slinger Indicator       | Shaft Slinger              |
| Speed                         | 1780 rpm                   |
| Speed Code                    | Single Speed               |
| Starting Method               | Direct on line             |
| Thermal Device - Bearing      | None                       |
| Thermal Device - Winding      | Normally Closed Thermostat |

**Nameplate**

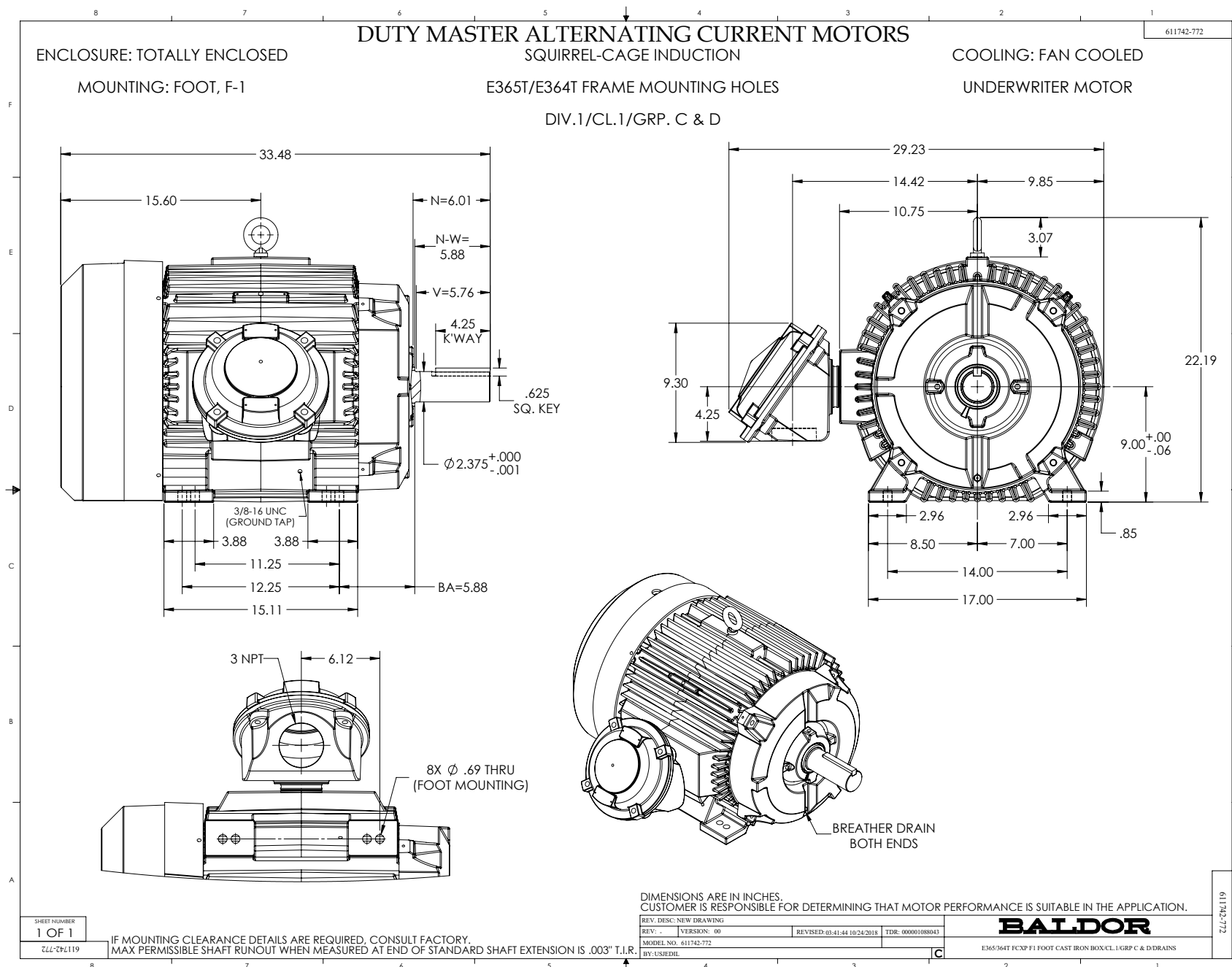
|                  |  |
|------------------|--|
| NP2496L          |  |
| MOBIL POLYREX EM |  |
|                  |  |

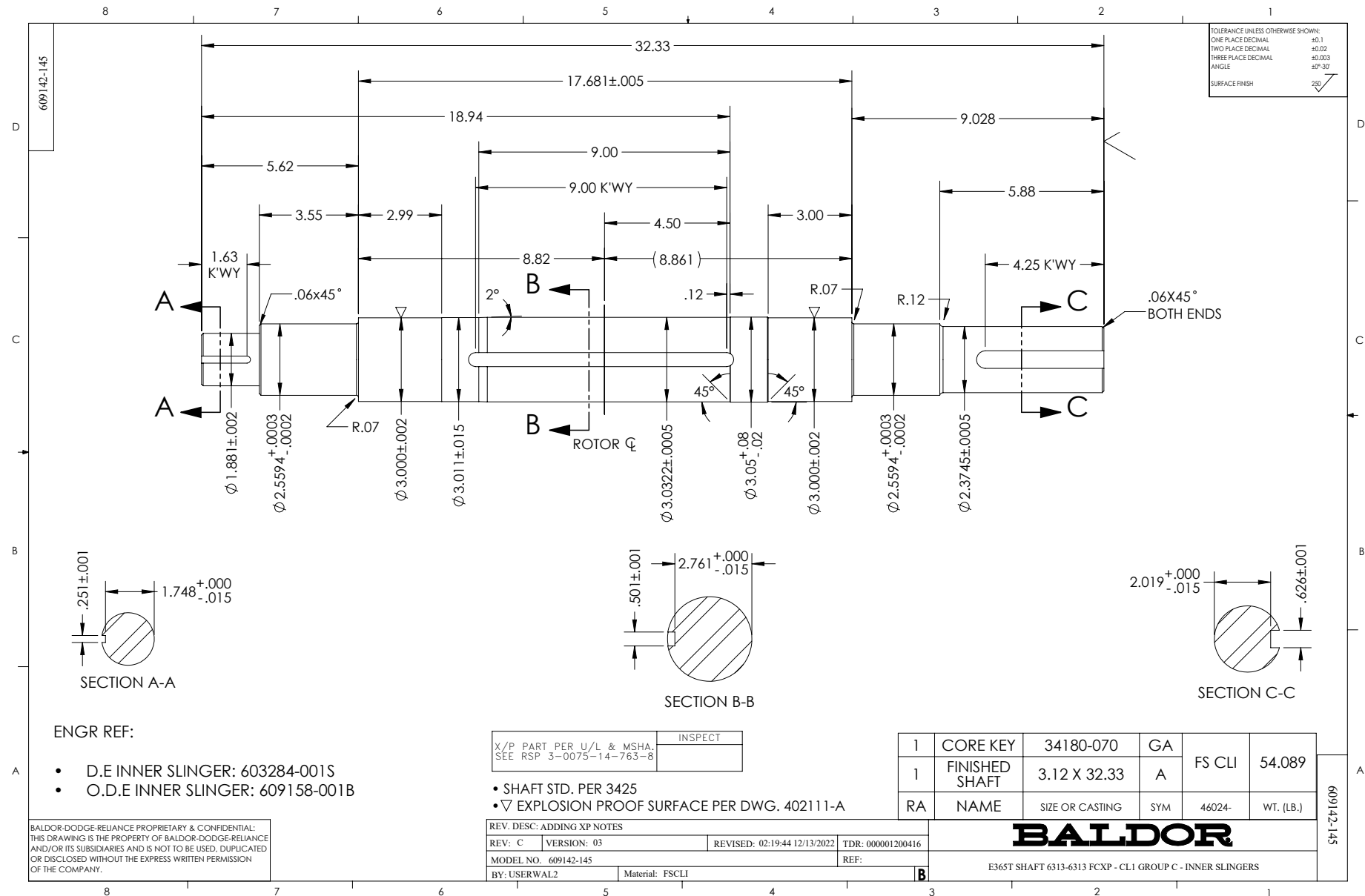
**000692000FX**

|                     |       |     |
|---------------------|-------|-----|
| 000613006PC         |       |     |
| CLASS I GROUP       | C D X | NO. |
| CLASS II GROUP      | X X X |     |
| OPERATING TEMP CODE | T3C   |     |

## NP3140L

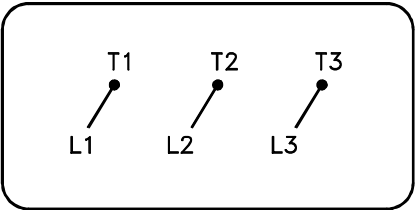
|                   |                             |       |      |              |             |             |              |      |      |       |      |
|-------------------|-----------------------------|-------|------|--------------|-------------|-------------|--------------|------|------|-------|------|
| SPEC NO.          | A36-0001-4078               |       |      | CAT.NO.      |             | DRX36744T-5 |              |      |      | FRAME | 365T |
| HP                | 75                          | VOLTS | 575  |              | PHASE       | 3           | DESIGN       | B    | TYPE | P     |      |
| RPM               | 1780                        | AMPS  | 68.5 |              | HZ          | 60          | AMB          | 40   | SF   | 1.00  |      |
| DRIVE END BEARING | 65BC03J30X                  |       | DUTY | CONT         | INSUL.CLASS |             |              | F    |      |       |      |
| OPP D.E. BEARING  | 65BC03J30X                  |       | ENCL | TEFC         | CODE        | G           |              |      |      |       |      |
| SF                | 1.15                        | WK2   | 16.2 | MAG CUR      | 22.3        |             | RPM MAX      | 3600 |      |       |      |
| CT HZ             | 10-60                       | VT HZ | 0-60 | CHP HZ       | 60-90       |             | NEMA-NOM-EFF |      |      | 95.4  |      |
|                   | SUIT FOR 55C AMB AT 1.00 SF |       |      |              |             | IP55        |              |      |      |       |      |
| SER.NO.           |                             |       |      | MOTOR WEIGHT |             |             |              |      |      |       |      |





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

CONNECTION DIAGRAM  
ACCESSORIES

|                           |                       |                   |
|---------------------------|-----------------------|-------------------|
| MOTOR WINDING THERMOSTATS |                       |                   |
| CONTACTS _____ @ _____ °C |                       |                   |
| FIGURE NUMBER _____       |                       |                   |
| CONTACT RATING            |                       |                   |
| VOLTS                     | CONTINUOUS<br>AMPERES | INRUSH<br>AMPERES |
| 110-120                   | 3.0                   | 30                |
| 220-240                   | 1.5                   | 15                |
| 440-480                   | 0.75                  | 7.5               |
| 550-600                   | 0.60                  | 6.0               |

| THERMOSTATS     |                 |
|-----------------|-----------------|
| NORMALLY CLOSED | NORMALLY OPEN   |
| <p>FIGURE 1</p> | <p>FIGURE 4</p> |
| <p>FIGURE 2</p> | <p>FIGURE 5</p> |
| <p>FIGURE 3</p> | <p>FIGURE 6</p> |
| <p>FIGURE 7</p> | <p>FIGURE 8</p> |

CUSTOMER \_\_\_\_\_ CUSTOMER ORDER NO. \_\_\_\_\_ S.O. NO. \_\_\_\_\_

418174-006

418174-006

|                          |                              |                   |
|--------------------------|------------------------------|-------------------|
| REV. DESC: LOADED TO BUS |                              |                   |
| REV. LTR: A              | VERSION: 01                  | TDR: 000000570390 |
| FILE: \RAG\00013\849     | REVISED: 10:16:21 12/07/2010 | BY: RAGDRF        |
| MTL: -                   |                              |                   |

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A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1