ABB BALDOR RELIANCE

# Customer information packet

## DRX36644T-5

60HP, 1780RPM, 3PH, 60HZ, 364T, A3658M, TEFC, F
Class - CLI GP C,D
Division - Division I

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11/16/2026 6:19:57 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 364T |
| **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** | 60.000 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** | 6-60 |
| **Current @ Voltage** | 55.000 A @ 575.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 95.0 % |
| **Feedback Device** | NO FEEDBACK |
| **Haz Area Temp Code** | T3C |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 55.0 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | G |
| **Lifting Lugs** | Standard Lifting Lugs |

## Part Detail

| | |
|---|---|
| **Revision** | - |
| **Type** | AC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | A36WG4086 |
| **Layout** | 611742-772 |
| **Eff. date** | 07-28-2025 |
| **CD Diagram** | 416820-036 |
| **Poles** | 04 |
| **Leads** | 3#4 |
| **Proprietary** | False |
| **Created date** | 07-25-2025 |

| | |
|---|---|
| **Max Speed** | 2700 rpm |
| **Motor Lead Quantity/Wire Size** | 3 @ 4 AWG |
| **Motor Standards** | NEMA |
| **Motor Type** | A3658M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 33.48 IN |
| **Power Factor** | 84 |
| **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.** | A36-0062-4086 | | **CAT.NO.** | DRX36644T-5 | | | | | **FRAME** | 364T | |
| **HP** | 60 | **VOLTS** | 575 | | **PHASE** | 3 | **DESIGN** | B | **TYPE** | P | |
| **RPM** | 1780 | **AMPS** | 55 | | **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** | 13.42 | **MAG CUR** | 18.8 | | **RPM MAX** | 2700 | | | |
| **CT HZ** | 6-60 | **VT HZ** | 0-60 | **CHP HZ** | 60-90 | | **NEMA-NOM-EFF** | 95 | | | |
| | SUIT FOR 55C AMB AT 1.00 SF | | | | | IP55 | | | | | |
| **SER.NO.** | | | | **MOTOR WEIGHT** | 9999 | | | | | | |

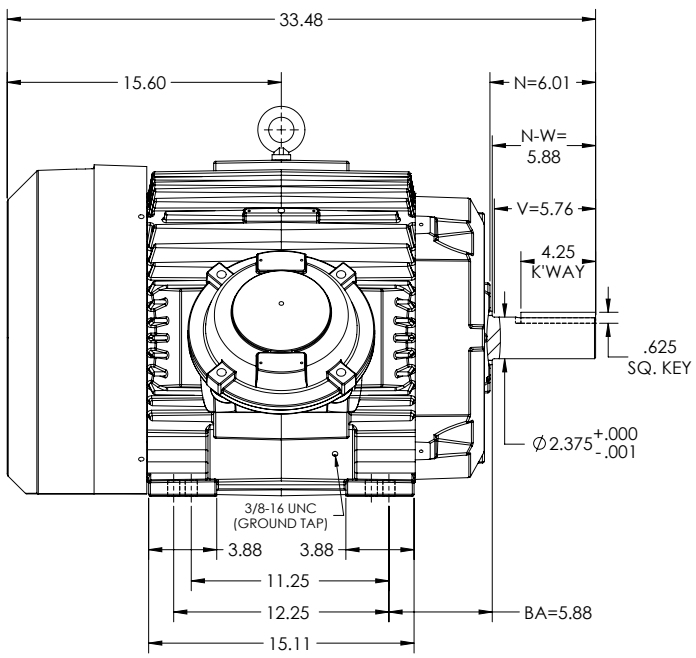
# DUTY MASTER ALTERNATING CURRENT MOTORS

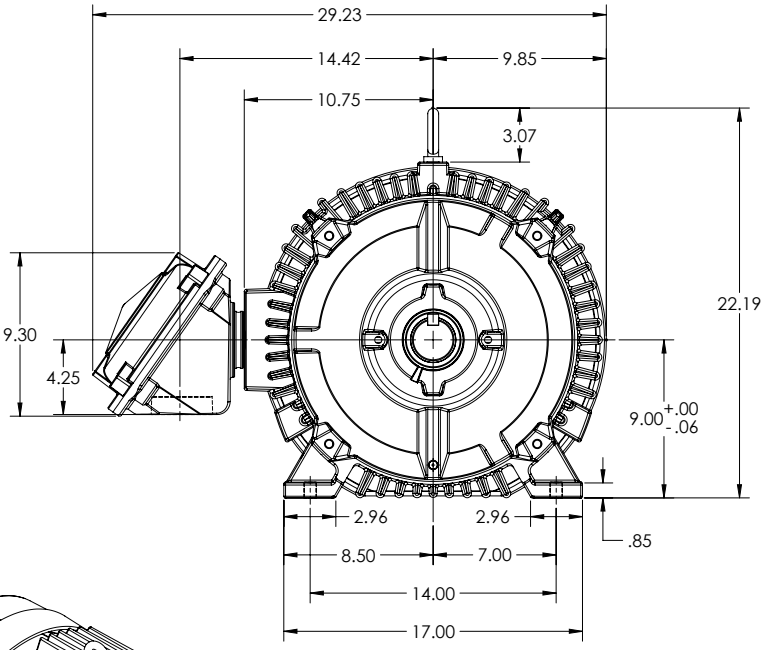
611742-772

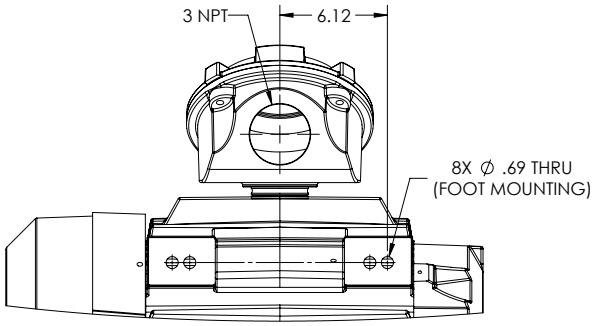
ENCLOSURE: TOTALLY ENCLOSED | SQUIRREL-CAGE INDUCTION | COOLING: FAN COOLED

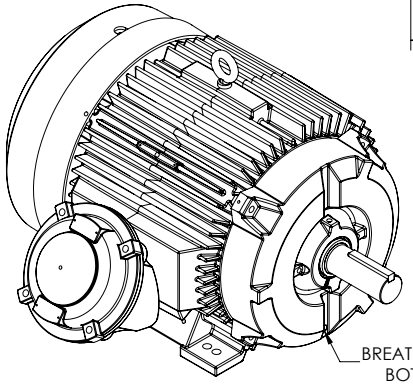
MOUNTING: FOOT, F-1 | E365T/E364T FRAME MOUNTING HOLES | UNDERWRITER MOTOR

DIV.1/CL.1/GRP. C & D




DIMENSIONS ARE IN INCHES.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

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.

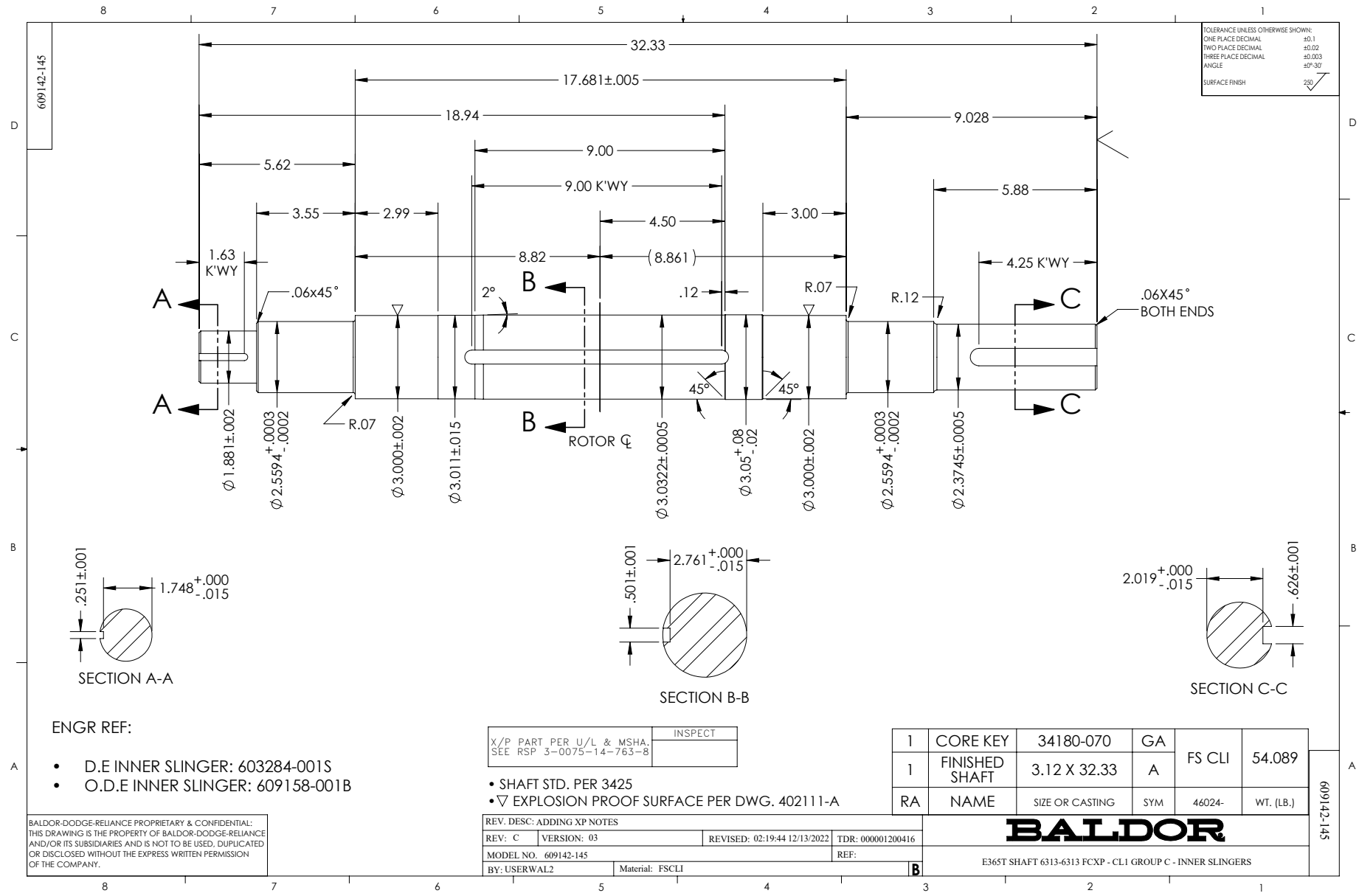
SHEET NUMBER 1 OF 1

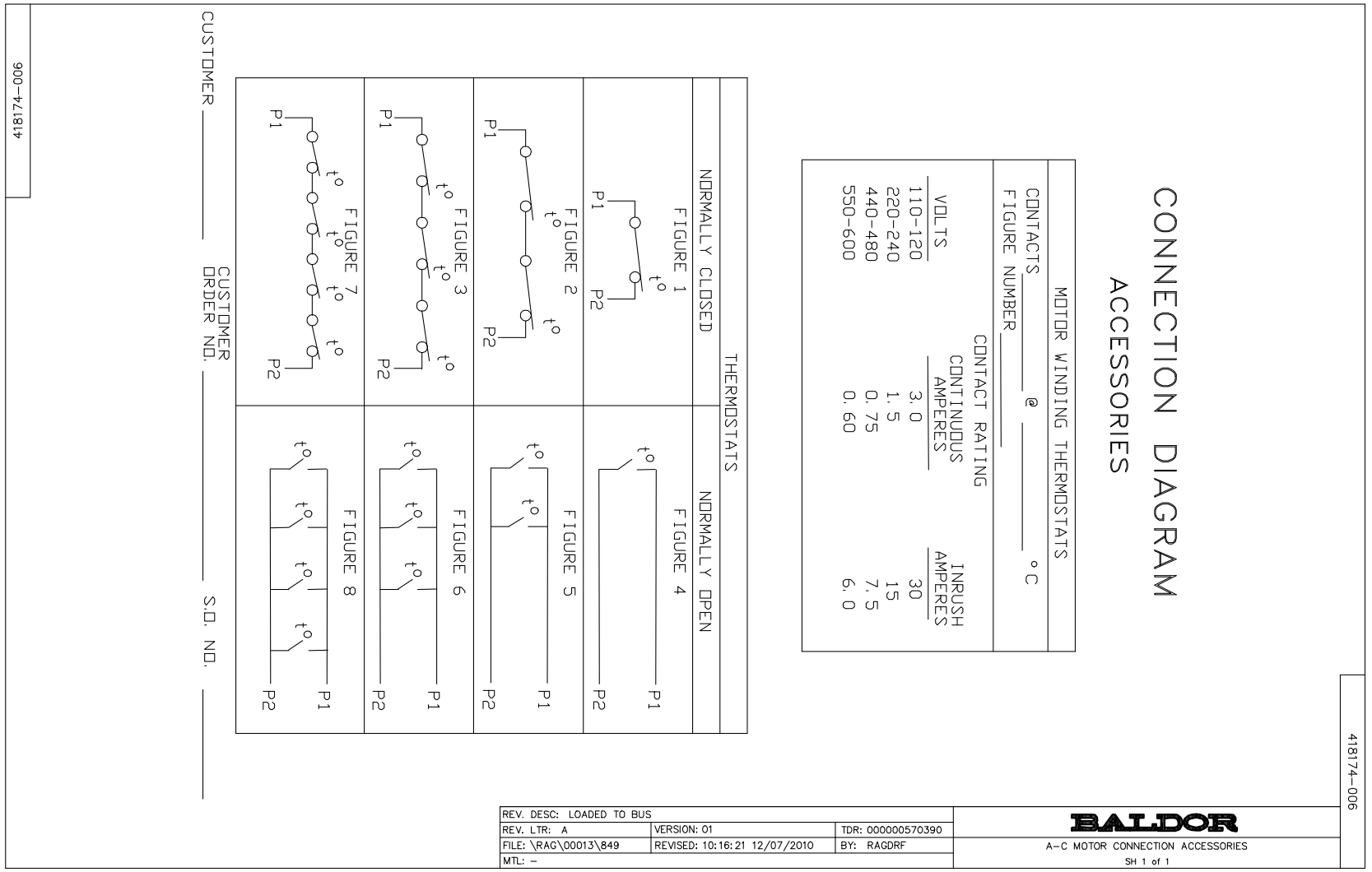
| | | | |
|---|---|---|---|
| REV. DESC: NEW DRAWING | | | |
| REV: - | VERSION: 00 | REVISED: 03:41:44 10/24/2018 | TDR: 000001088043 |
| MODEL NO. 611742-772 | | | |
| BY: USJEDIL | | | C |

BALDOR

E365/364T FCXP F1 FOOT CAST IRON BOX/CL.1/GRP C & D/DRAINS

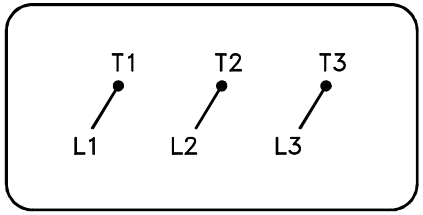
611742-772


609142-145
TOLERANCE UNLESS OTHERWISE SHOWN:
ONE PLACE DECIMAL ±0.1
TWO PLACE DECIMAL ±0.02
THREE PLACE DECIMAL ±0.003
ANGLE ±0°-30'
SURFACE FINISH 250
32.33
17.681±.005
18.94
9.028
9.00
5.62
9.00 K'WY
5.88
3.55
2.99
4.50
3.00
1.63 K'WY
8.82
(8.861)
4.25 K'WY
.06x45°
2°
.12
R.07
R.12
.06X45° BOTH ENDS
45°
45°
R.07
ROTOR ℄
Ø1.881±.002
Ø2.5594 +.0003 -.0002
Ø3.000±.002
Ø3.011±.015
Ø3.0322±.0005
Ø3.05 +.08 -.02
Ø3.000±.002
Ø2.5594 +.0003 -.0002
Ø2.3745±.0005
.251±.001
1.748 +.000 -.015
SECTION A-A
.501±.001
2.761 +.000 -.015
SECTION B-B
2.019 +.000 -.015
.626±.001
SECTION C-C
ENGR REF:
• D.E INNER SLINGER: 603284-001S
• O.D.E INNER SLINGER: 609158-001B
X/P PART PER U/L & MSHA. SEE RSP 3-0075-14-763-8
INSPECT
• SHAFT STD. PER 3425
• ▽ EXPLOSION PROOF SURFACE PER DWG. 402111-A
1 CORE KEY 34180-070 GA FS CLI 54.089
1 FINISHED SHAFT 3.12 X 32.33 A
RA NAME SIZE OR CASTING SYM 46024- WT. (LB.)
BALDOR-DODGE-RELIANCE PROPRIETARY & CONFIDENTIAL: THIS DRAWING IS THE PROPERTY OF BALDOR-DODGE-RELIANCE AND/OR ITS SUBSIDIARIES AND IS NOT TO BE USED, DUPLICATED OR DISCLOSED WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE COMPANY.
REV. DESC: ADDING XP NOTES
REV: C VERSION: 03 REVISED: 02:19:44 12/13/2022 TDR: 000001200416
MODEL NO. 609142-145 REF:
BY: USERWAL2 Material: FSCLI B
BALDOR
E365T SHAFT 6313-6313 FCXP - CL1 GROUP C - INNER SLINGERS
609142-145


CONNECTION DIAGRAM
ACCESSORIES
418174-006
MOTOR WINDING THERMOSTATS
CONTACTS _____ @ _____ °C
FIGURE NUMBER _____
CONTACT RATING
VOLTS
CONTINUOUS AMPERES
INRUSH 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
FIGURE 1
FIGURE 2
FIGURE 3
FIGURE 4
FIGURE 5
FIGURE 6
FIGURE 7
FIGURE 8
P1
P2
CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____
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: -
BALDOR
A-C MOTOR CONNECTION ACCESSORIES
SH 1 of 1

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 | | | BALDOR |
| REV. LTR: – | VERSION: 00 | TDR: 000000538207 | |
| FILE: \MGA\00000\682 | | REVISED: 11:54:06 04/30/2010 | CONN DIAG – STANDARD 3 LEAD |
| MTL: – | | BY: RAGRA | SH 1 of 1 |