ABB BALDOR RELIANCE

# Customer information packet

## ECR91256TR-4

125HP, 1190RPM, 3PH, 60HZ, 445T, A44090M, TEFC
Class - None
Division - Not Applicable

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9/7/2026 9:52:11 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 445T |
| **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** | 125.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| **Agency Approvals** | CCSAUSEEV |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Mobil SHC 220 (Athens Only) |
| **Constant Torque Speed Range** | 6-60 |
| **Current @ Voltage** | 153.000 A @ 460.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 95.4 % |
| **Feedback Device** | NO FEEDBACK |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 153.0 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | H |
| **Lifting Lugs** | No Lifting Lugs |
| **Max Speed** | 3000 rpm |
| **Motor Lead Quantity/Wire Size** | 3 @ 2 AWG |
| **Motor Standards** | NEMA |

## Part Detail

| | |
|---|---|
| **Revision** | G |
| **Type** | AC |
| **Mech. spec.** | |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | A44WG5185 |
| **Layout** | 617427-315 |
| **Eff. date** | 12-10-2025 |
| **CD Diagram** | 416820-036 |
| **Poles** | 06 |
| **Leads** | 3#2 |
| **Proprietary** | False |
| **Created date** | 02-06-2015 |

| | |
|---|---|
| **Motor Type** | A44090M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 44.75 IN |
| **Power Factor** | 80 |
| **Product Family** | Crusher / Chipper |
| **Pulley End Bearing Type** | Roller |
| **Pulley Face Code** | Standard |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 3.375 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1190 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |

**Nameplate**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **000613007PV** | | | | | | | |
| **CAT NO** | ECR91256TR-4 | | | **SPEC NO.** | P44G1808 | | | | | | | |
| **HP** | 125 | **AMPS** | 153 | | **VOLTS** | 460 | | **DESIGN** | A | | | |
| **RPM** | 1190 | **RPM MAX** | 3000 | **HZ** | 60 | **AMB** | 40 | **SF** | 1.15 | | | |
| **D.E. BRG.DATA** | NU222 | | | **O.D.E. BRG.DATA** | 6318 | | | **PH** | 3 | **DUTY** | CONT | **INSUL.CLASS** F |
| **FRAME** | 445T | **I.P.** | 55 | **TYPE** | P | **ENCL** | TEFC | **CODE** | H | | | |
| **POWER FACTOR** | 80 | | | **3/4 LOAD EFF.** | 95.6 | | | **NEMA NOM EFFICIENCY** | 95.4 | | | |
| **CHP HZ** | 60-90 | **CT HZ** | 6-60 | **VT HZ** | 6-60 | | | | | | | |
| **SER.NO.** | | | | **MOTOR WEIGHT** | | | | | | | | |

| NP2496L |
| --- |
| MOBIL SHC -220 GREASE |
| |

| REL. S.O. | FRAME | HP | TYPE | PHASE/ HERTZ | RPM | VOLTS |
|---|---|---|---|---|---|---|
| | 445 | 125 | P | 3/60 | 1190 | 460 |

| AMPS | DUTY | AMB °C/ INSUL. | S.F. | NEMA DESIGN | CODE LETTER | ENCL. |
|---|---|---|---|---|---|---|
| 153 | CONT | 40/F | 1.15 | A | H | TEFC |

| E/S | ROTOR | TEST S.O. | TEST DATE | STATOR RES.@25 °C OHMS (BETWEEN LINES) |
|---|---|---|---|---|
| - | 418143080HE | --- | --- | .0308 |

PERFORMANCE

| LOAD | HP | AMPERES | RPM | % POWER FACTOR | % EFFICIENCY |
|---|---|---|---|---|---|
| NO LOAD | 0 | 59.9 | 1200 | 4.04 | 0 |
| 1/4 | 31.3 | 71.4 | 1198 | 44.7 | 91.9 |
| 2/4 | 62.6 | 93.2 | 1196 | 66.3 | 94.9 |
| 3/4 | 93.7 | 121 | 1194 | 75.6 | 95.6 |
| 4/4 | 125 | 153 | 1192 | 79.8 | 95.6 |
| 5/4 | 156 | 187 | 1189 | 81.9 | 95.4 |
| | | | | | |

SPEED TORQUE

| | RPM | TORQUE % FULL LOAD | TORQUE LB.-FT. | AMPERES |
|---|---|---|---|---|
| LOCKED ROTOR | 0 | 268 | 1479 | 1047 |
| PULL UP | 960 | 195 | 1077 | 806 |
| BREAKDOWN | 1155 | 265 | 1459 | 555 |
| FULL LOAD | 1192 | 100 | 551 | 153 |

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. 95.0 %

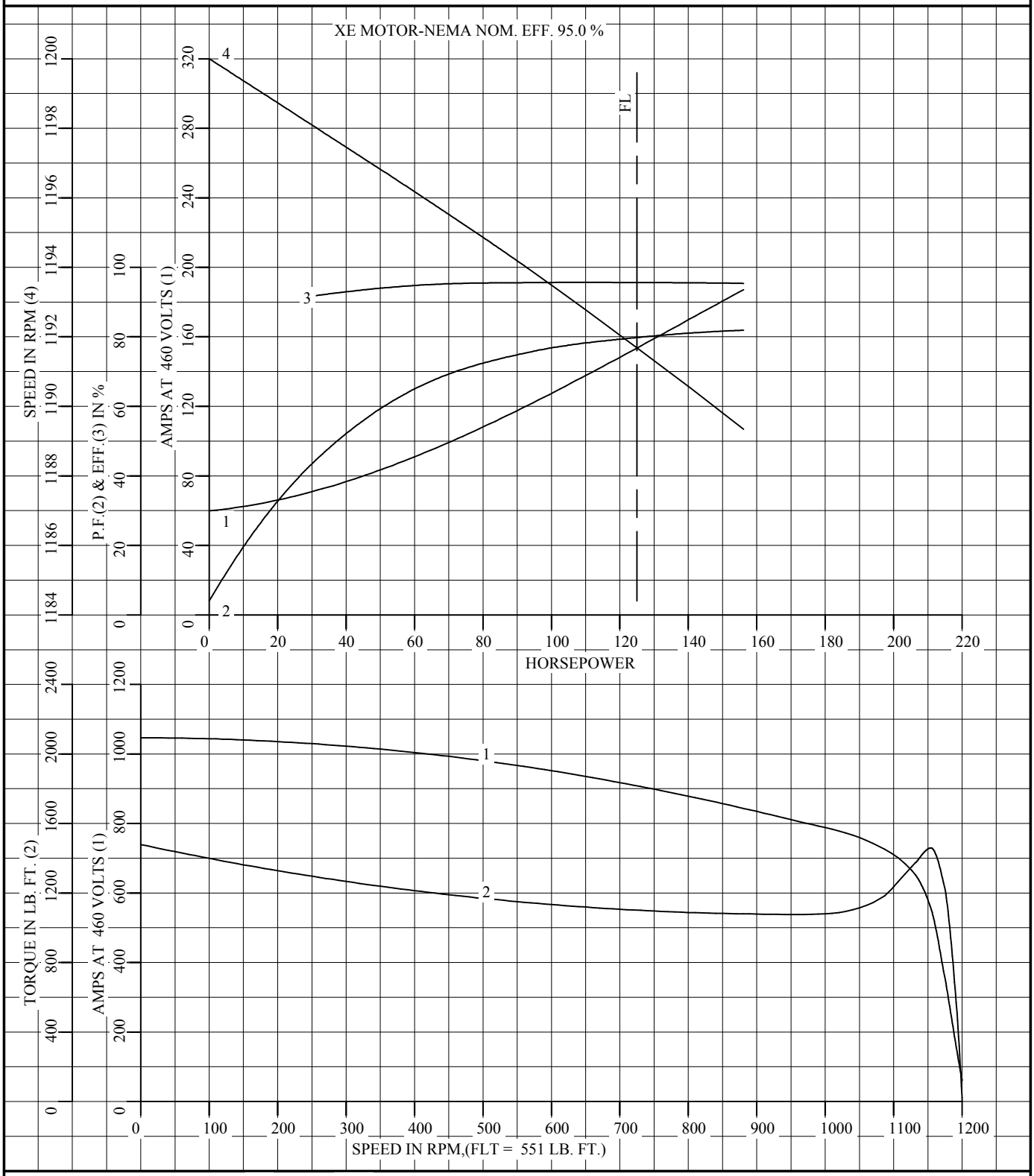
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY CD
CK. BY T. KELATI
APP. BY T. KELATI
DATE 02/06/2015

A-C MOTOR PERFORMANCE DATA

A44WG5185-R001
ISSUE DATE 02/06/20

| | | | |
|---|---|---|---|
| REL S.O. | RPM 1190 | S.F. 1.15 | ROTOR 418143080HE |
| FRAME 445 | VOLTS 460 | NEMA DESIGN A | TEST S.O. TYPICAL DATA |
| HP 125 | AMPS 153 | CODE LETTER H | TEST DATE --- |
| TYPE P | DUTY CONT | ENCLOSURE TEFC | STATOR RES.@ 25 °C .0308 |
| PHASE/HERTZ 3/60 | AMB °C/INSUL 40/F | E/S – | OHMS (BETWEEN LINES) |




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 | CD |
| CK. BY | T. KELATI |
| APP. BY | T. KELATI |
| DATE | 02/06/2015 |

A-C MOTOR PERFORMANCE CURVES

A44WG5185-R001

ISSUE DATE 02/06/2015



Printed on 2/6/15 14:14 @ ragsun

617427-315

# DUTY MASTER ALTERNATING CURRENT MOTORS

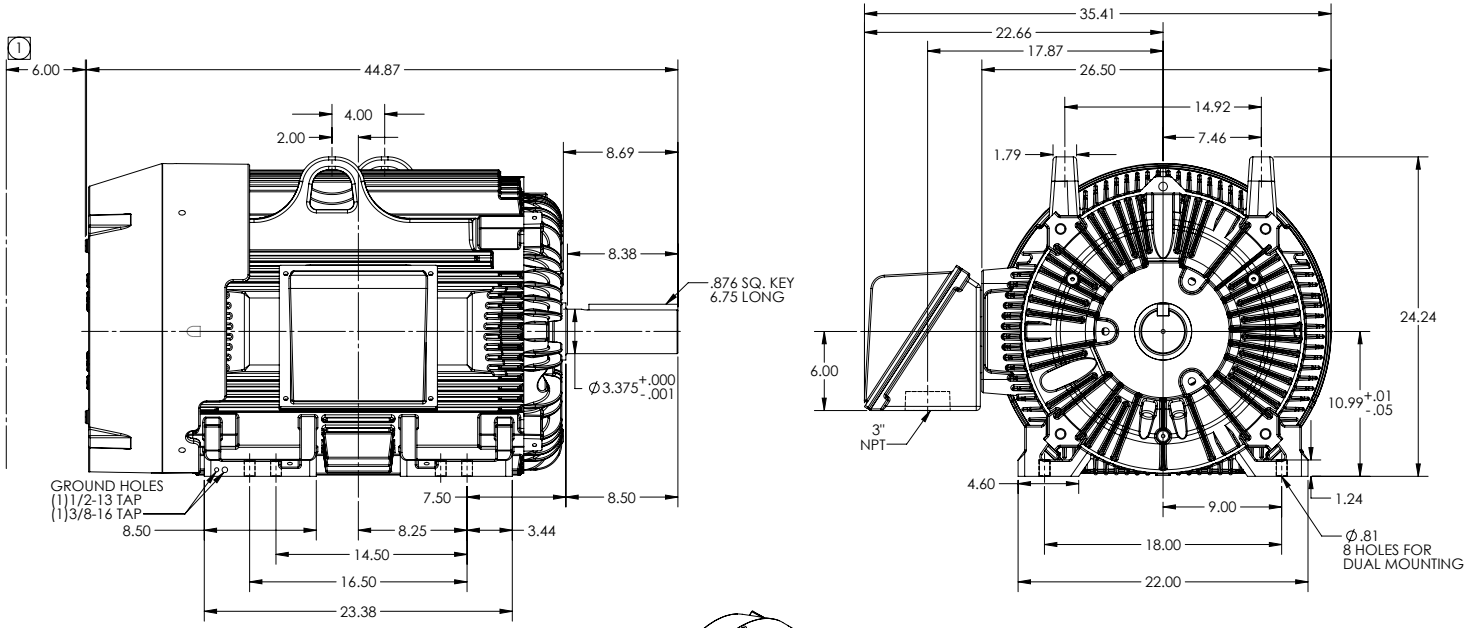
SQUIRREL-CAGE INDUCTION

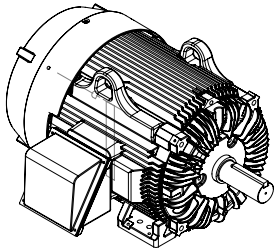
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT

COOLING: FAN COOLED

FRAMES G445T/444T



1 OBSTUCTION MUST NOT ENCROACH ON AIR INLET.

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.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED

DIMENSIONS ARE IN INCHES FOR MILLIMETERS SEE SHEET (2)

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

SHEET NUMBER 1 OF 2

617427-315

| | | | |
|---|---|---|---|
| REV. DESC: NEW | | | |
| REV: - | VERSION: 00 | REVISED: 09:06:36 12/05/2014 | TDR: 000000881952 |
| MODEL NO. 617427-315 | | | |
| BY: RAGAJH | | | C |

BALDOR

G445T/444T STD – FOOTED – SIDE/CENTER C.I. C/B ROLLER BRG

617427-315

617427-315

# DUTY MASTER ALTERNATING CURRENT MOTORS

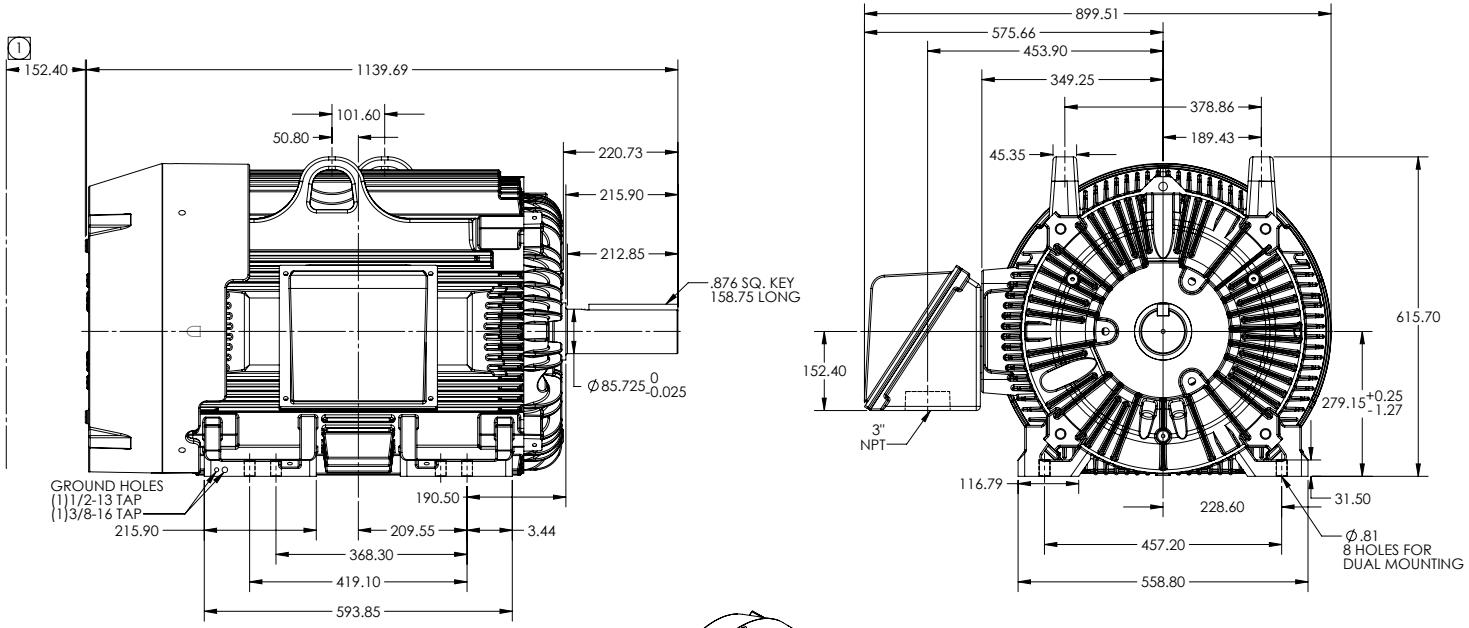
SQUIRREL-CAGE INDUCTION

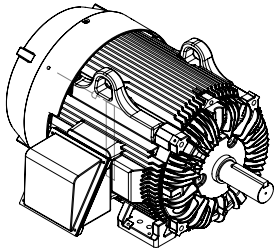
ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT

COOLING: FAN COOLED

FRAMES G445T/444T



1 OBSTUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 T.I.R.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2, W-1, W-4, W-5, W-7, OR C-1 MOUNTING IS SPECIFIED

DIMENSIONS ARE IN MILLIMETERS FOR INCHES SEE SHEET 1

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

SHEET NUMBER 2 OF 2

617427-315

| | | | |
|---|---|---|---|
| REV. DESC: NEW | | | |
| REV: - | VERSION: 00 | REVISED: 09:06:36 12/05/2014 | TDR: 000000881952 |
| MODEL NO. 617427-315 | | | |
| BY: RAGAJH | | | C |

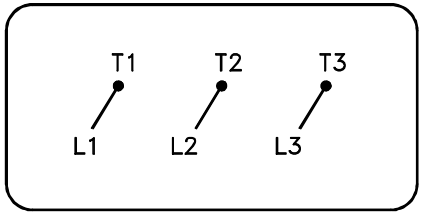
BALDOR

G445T/444T STD – FOOTED – SIDE/CENTER C.I. C/B ROLLER BRG

617427-315

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 |