ABB BALDOR RELIANCE

# Customer information packet

## EJMM3610T-G

3HP, 3450RPM, 3PH, 60HZ, 182JM, 3532M, TEFC, F1
Class - None
Division - Not Applicable

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10/9/2026 11:26:30 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 182JM |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 3.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 3600 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| **Agency Approvals** | CSA |
| | CSA EEV |
| | UR |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 7.200 A @ 230.0 V |
| | 7.900 A @ 208.0 V |
| | 3.600 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 86.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |
| **Front Shaft Indicator** | None |

## Part Detail

| | |
|---|---|
| **Revision** | S |
| **Type** | AC |
| **Mech. spec.** | 35Z952 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGQ060 |
| **Layout** | 35LYZ952 |
| **Eff. date** | 01-05-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 02 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 11-22-2011 |

| | |
|---|---|
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 3.6 a |
| **Insulation Class** | H |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | L |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3532M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 2 |
| **Overall Length** | 16.91 IN |
| **Power Factor** | 92 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Tapped & Key |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 3450 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |

| | |
|---|---|
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

| NP3441LUA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | EJMM3610T-G | | | | | | | | |
| **SPEC** | 35Z952Q060G1 | | | | | | | | |
| **HP** | 3 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMPS** | 7.2/3.6 | | | | | | | | |
| **RPM** | 3450 | | | | | | | | |
| **FRAME** | 182JM | **HZ** | 60 | | **PH** | 3 | | | |
| **SF** | 1.15 | **CODE** | L | **DES** | B | **CLASS** | H | | |
| **NEMA NOM. EFF** | 86.5 | **PF** | 92 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | | | | | | |
| **ENCL** | TEFC | **SER** | | | | | | | |
| **DE** | 6207 | **ODE** | 6205 | | | | | | |
| **VPWM INVERTER READY** | | | | | | | | | |
| **CT6-60H(10:1)VT3-60H(20:1** | | | | | | | | | |
| | 50Hz 3HP 190/380V 8.8/4.4A | | | | | | | | SF1.0 |

**AC Induction Motor Performance Data**
Record # 53134
Typical performance - not guaranteed values

| **Winding:** 35WGQ060-R024 | **Type:** 3532M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 3 | **Full Load Torque** | 4.5 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 7.2/3.6 | **Breakdown Torque** | 18 LB-FT |
| **R.P.M.** | | | 3450 | **Pull-up Torque** | 11 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 16 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | L | **Starting Current** | 33 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.2 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 92 | **Line-line Res. @ 25ºC** | 4.7 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 61°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 73°C |
| | | | | **Locked-rotor Power Factor** | 47.1 |
| | | | | **Rotor inertia** | 0.0885 LB-FT2 |

**Load Characteristics 460 V, 60 Hz, 3 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 57 | 77 | 85 | 88 | 89 | 90 | 89 |
| **Efficiency** | 84.1 | 87.9 | 88.4 | 87.2 | 85.7 | 83.5 | 86.3 |
| **Speed** | 3562 | 3531 | 3498 | 3462 | 3421 | 3375 | 3437 |
| **Line amperes** | 1.5 | 2.1 | 2.8 | 3.6 | 4.5 | 5.4 | 4.14 |

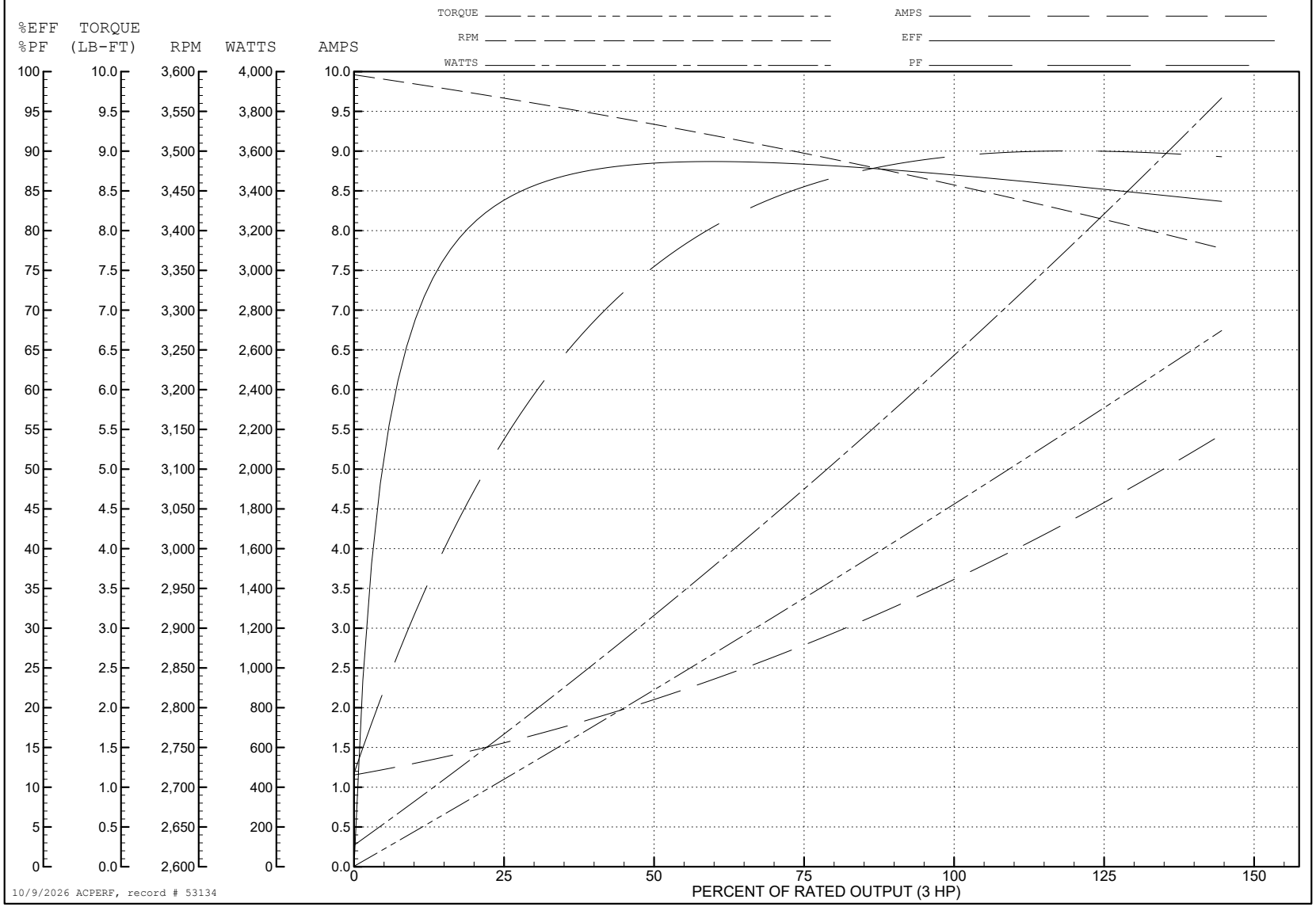
ABB Motors and Mechanical Inc.

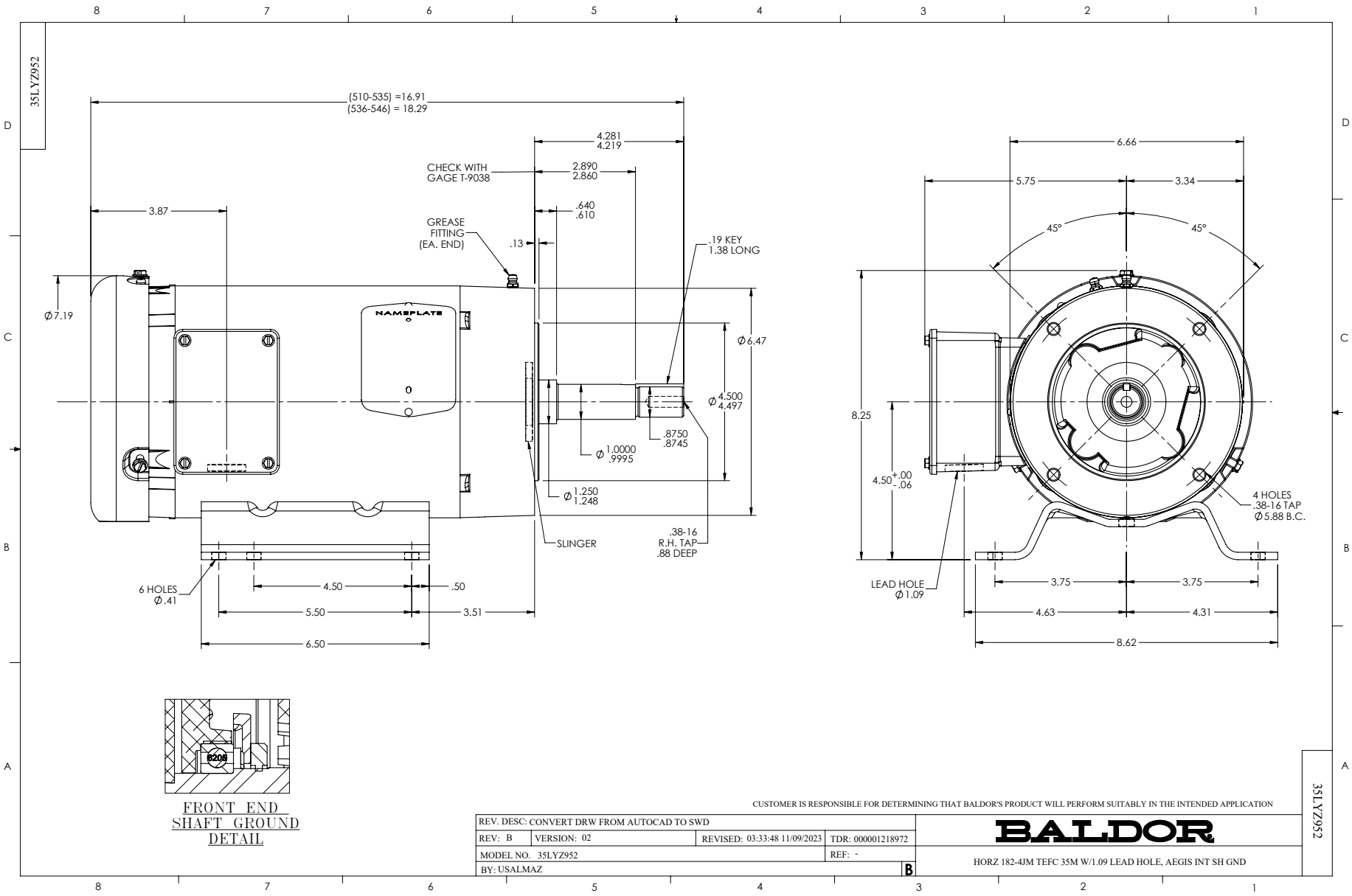
WINDING # 35WGQ060

3 HP 3 PH 60 HZ 3450 RPM 460 V 3532M

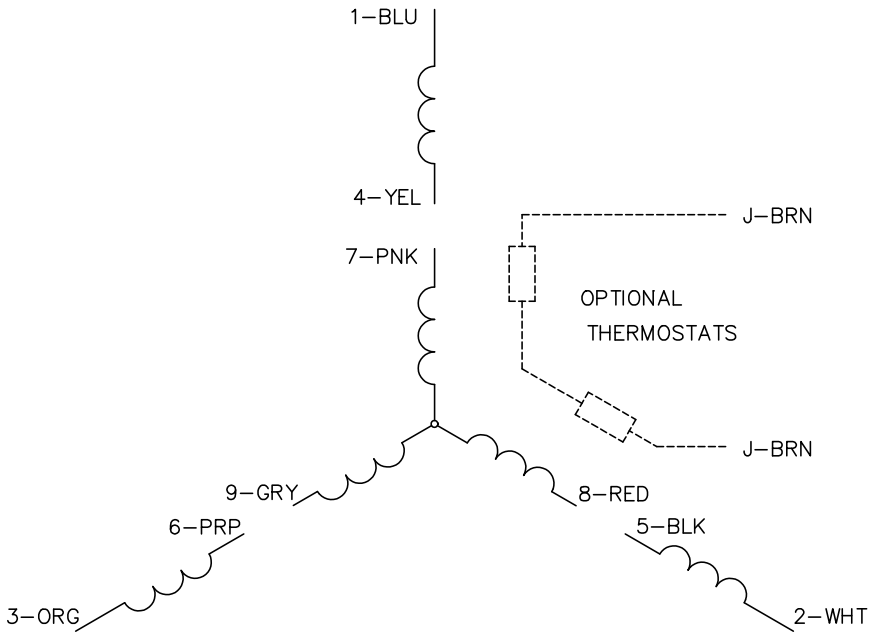
Typical performance - not guaranteed values.

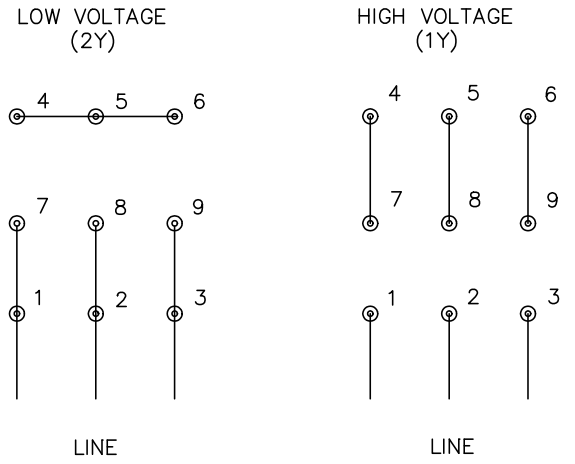
TORQUES(LB-FT): PO=18 PU=11 LR=16 LRA=33




35LYZ952
(510-535) =16.91
(536-546) = 18.29
4.281
4.219
CHECK WITH
GAGE T-9038
2.890
2.860
.640
.610
3.87
GREASE
FITTING
(EA. END)
.13
.19 KEY
1.38 LONG
Ø7.19
NAMEPLATE
Ø6.47
Ø4.500
4.497
.8750
.8745
Ø 1.0000
.9995
Ø 1.250
1.248
SLINGER
.38-16
R.H. TAP
.88 DEEP
6 HOLES
Ø.41
4.50
.50
5.50
3.51
6.50
6.66
5.75
3.34
45°
45°
8.25
4.50 +.00 -.06
4 HOLES
.38-16 TAP
Ø5.88 B.C.
LEAD HOLE
Ø1.09
3.75
3.75
4.63
4.31
8.62
B208
FRONT END
SHAFT GROUND
DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT DRW FROM AUTOCAD TO SWD
REV: B
VERSION: 02
REVISED: 03:33:48 11/09/2023
TDR: 000001218972
MODEL NO. 35LYZ952
REF: -
BY: USALMAZ
B
BALDOR
HORZ 182-4JM TEFC 35M W/1.09 LEAD HOLE, AEGIS INT SH GND
35LYZ952

CD0005




NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |