

# ABB BALDOR RELIANCE III

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## Customer information packet

### CWDM3541

.75HP, 3450RPM, 3PH, 60HZ, 56C, 3518M, TENV, F1

Class - None

Division - Not Applicable

**Specifications**

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Enclosure                      | TENV                                                        |
| Frame                          | 56C                                                         |
| 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             | .750 HP @ 60 HZ                                             |
| Phase                          | 3                                                           |
| Synchronous Speed @ Frequency  | 3600 RPM @ 60 HZ                                            |
| Voltage @ Frequency            | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                          |
| Agency Approvals               | UR<br>CSA                                                   |
| 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              | 1.100 A @ 460.0 V<br>2.200 A @ 230.0 V<br>2.300 A @ 208.0 V |
| Design Code                    | B                                                           |
| Drip Cover                     | No Drip Cover                                               |
| Duty Rating                    | CONT                                                        |
| Efficiency @ 100% Load         | 80.0 %                                                      |
| Electrically Isolated Bearing  | Not Electrically Isolated                                   |
| Feedback Device                | NO FEEDBACK                                                 |
| Front Face Code                | Standard                                                    |
| Front Shaft Indicator          | None                                                        |
| Heater Indicator               | No Heater                                                   |

**Part Detail**

|              |            |
|--------------|------------|
| Revision     | AL         |
| Type         | AC         |
| Mech. spec.  | 35T964     |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 35WGT097   |
| Layout       | 35LYT964   |
| Eff. date    | 07-25-2025 |
| CD Diagram   | CD0005     |
| Poles        | 02         |
| Leads        | 9#18       |
| Proprietary  | False      |
| Created date | 06-22-2007 |

|                               |                     |
|-------------------------------|---------------------|
| High Voltage Full Load Amps   | 1.1 a               |
| Insulation Class              | F                   |
| Inverter Code                 | Not Inverter        |
| KVA Code                      | N                   |
| 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                    | 3518M               |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 2                   |
| Overall Length                | 11.07 IN            |
| Power Factor                  | 80                  |
| Product Family                | Wash Down           |
| Pulley End Bearing Type       | Sealed Bearing      |
| Pulley Face Code              | C-Face              |
| Pulley Shaft Indicator        | Standard            |
| Rodent Screen                 | None                |
| RoHS Status                   | ROHS COMPLIANT      |
| Service Factor                | 1.25                |
| Shaft Diameter                | 0.625 IN            |
| Shaft Extension Location      | Pulley End          |
| Shaft Ground Indicator        | No 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

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**Nameplate**

| NP1496L      |              |  |      |      |     |   |  |       |   |  |  |
|--------------|--------------|--|------|------|-----|---|--|-------|---|--|--|
| CAT.NO.      | CWDMM3541    |  |      |      |     |   |  |       |   |  |  |
| SPEC.        | 35T964T097   |  |      |      |     |   |  |       |   |  |  |
| HP           | .75          |  |      |      |     |   |  |       |   |  |  |
| VOLTS        | 230/460      |  |      |      |     |   |  |       |   |  |  |
| AMP          | 2.2/1.1      |  |      |      |     |   |  |       |   |  |  |
| RPM          | 3450         |  |      |      |     |   |  |       |   |  |  |
| FRAME        | 56C          |  | HZ   | 60   |     |   |  | PH    | 3 |  |  |
| SER.F.       | 1.25         |  | CODE | N    | DES | B |  | CLASS | F |  |  |
| NEMA-NOM-EFF | 80           |  | PF   | 80   |     |   |  |       |   |  |  |
| RATING       | 40C AMB-CONT |  |      |      |     |   |  |       |   |  |  |
| CC           |              |  |      |      |     |   |  |       |   |  |  |
| DE           | 6205         |  | ODE  | 6203 |     |   |  |       |   |  |  |
| ENCL         | TENV         |  | SN   |      |     |   |  |       |   |  |  |
|              | SFA 2.6/1.3  |  |      |      |     |   |  |       |   |  |  |

**Parts List**

| Part number  | Description                              | Quantity |
|--------------|------------------------------------------|----------|
| SA111050     | SA 35T964T097                            | 1.000 ea |
| RA102429     | RA 35T964T097                            | 1.000 ea |
| NS2512A01    | INSULATOR, CONDUIT BOX X                 | 1.000 ea |
| 35CB3008A01G | SPL CONDUIT BOX, MACHINED GRAY           | 1.000 ea |
| 35GS1039     | 05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,  | 1.000 ea |
| 51XB1016A08  | 10-16X 1/2HXWSSLD SERTYB                 | 2.000 ea |
| 11XW1032G06  | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea |
| 35EP3122D00W | MASTER ODE,203 BRG,.125NPT DRNS(WHITE)   | 1.000 ea |
| HW4072A01    | BLACK DRAIN PLUG FOR .125 NPT            | 3.000 ea |
| HW5100A03    | WAVY WASHER (W1543-017)                  | 1.000 ea |
| 35EP3307E00W | MASTER DE,205 BRG,1.623SH,.125NPT DRNS,C | 1.000 ea |
| HW4072A01    | BLACK DRAIN PLUG FOR .125 NPT            | 3.000 ea |
| HW4600B49    | SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB | 1.000 ea |
| 12XN1032S20  | 10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL | 2.000 ea |
| 35CB4522     | 35 LIPPED CB LID PRIMED                  | 1.000 ea |
| 35GS1030A02  | 35 GS FOR CB LID - WHITE NEOPRENE        | 1.000 ea |
| 59XW0832S07  | TAPTITE II,HEX WSHR UNSLTD SER,410 S.S., | 4.000 ea |
| HW4600B46    | V-RING SLINGER 0.875 X 1.420 X .24 VITON | 1.000 ea |
| HA7000A04    | KEY RETAINER 0.625 DIA SHAFTS            | 1.000 ea |
| HA3100S08    | THRUBOLT 7.375LG SS                      | 4.000 ea |
| LB1164       | LABEL,WARNING AND DRAIN                  | 1.000 ea |
| HA5027A02    | HA4054 T-DRAIN X2 BAGGED WITH LABEL      | 1.000 ea |
| MJ1000A02    | GREASE, POLYREX EM EXXON                 | 0.050 lb |
| MG1025W01    | WILKOFAS, 781.01, SIGNAL WHITE #9003     | 0.017 ga |
| HW2502D13    | SS KEY, 3/16 SQ X 1.375                  | 1.000 ea |
| MJ5001A27    | 32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL  | 0.001 qt |
| 85XU0407S04  | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 ea |
| LC0005       | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING  | 1.000 ea |
| NP1496L      | SS WD UL CC                              | 1.000 ea |
| 35PA1066     | PKG GRP, PRINT PK1008A07                 | 1.000 ea |
| FE-0000001   | ZRTG FE ASSEMBLY                         | 1.000 ea |

PE-0000002

ZRTG PE ASSEMBLY

1.000 ea

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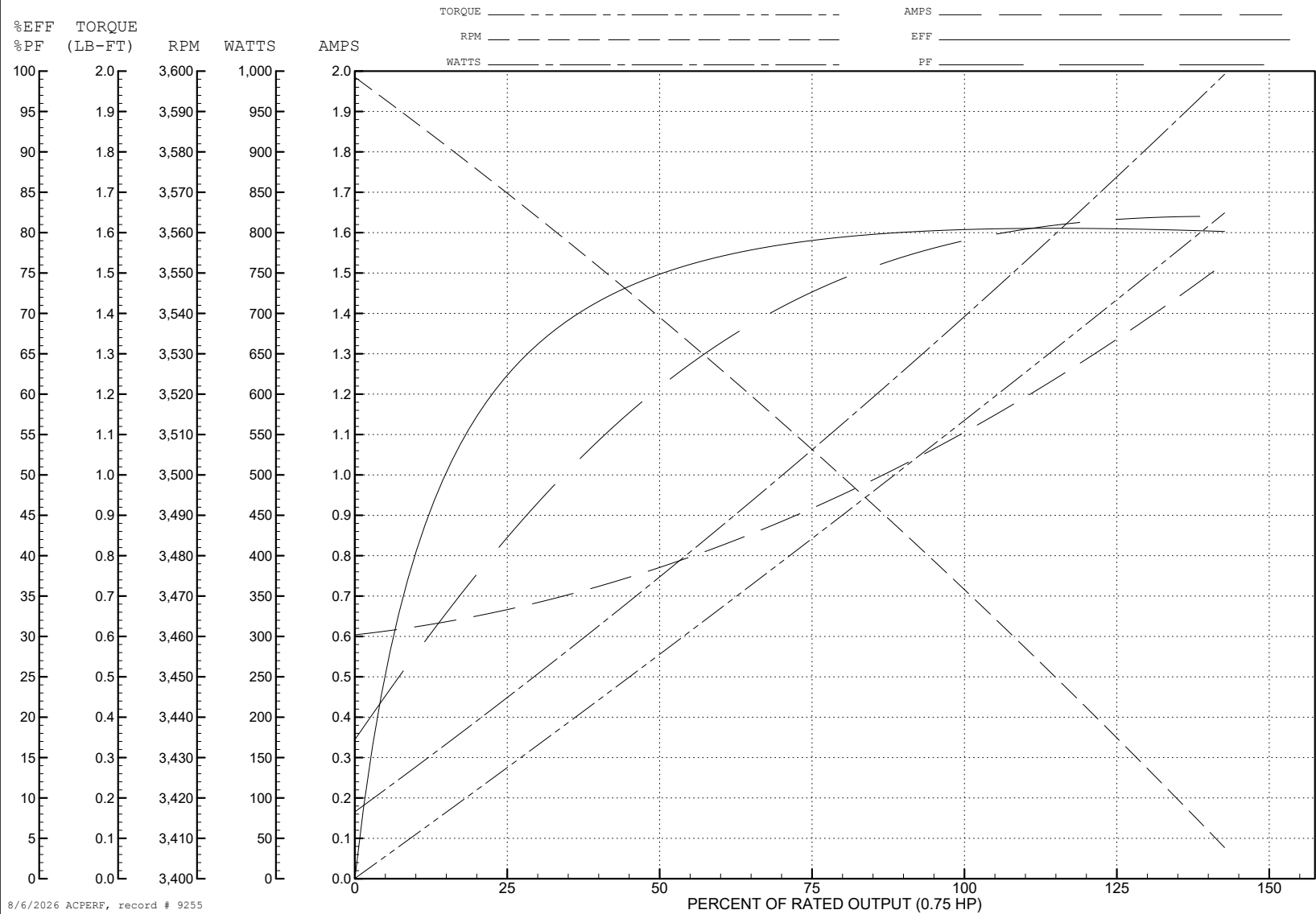
ABB Motors and Mechanical Inc.

WINDING # 35WGT097

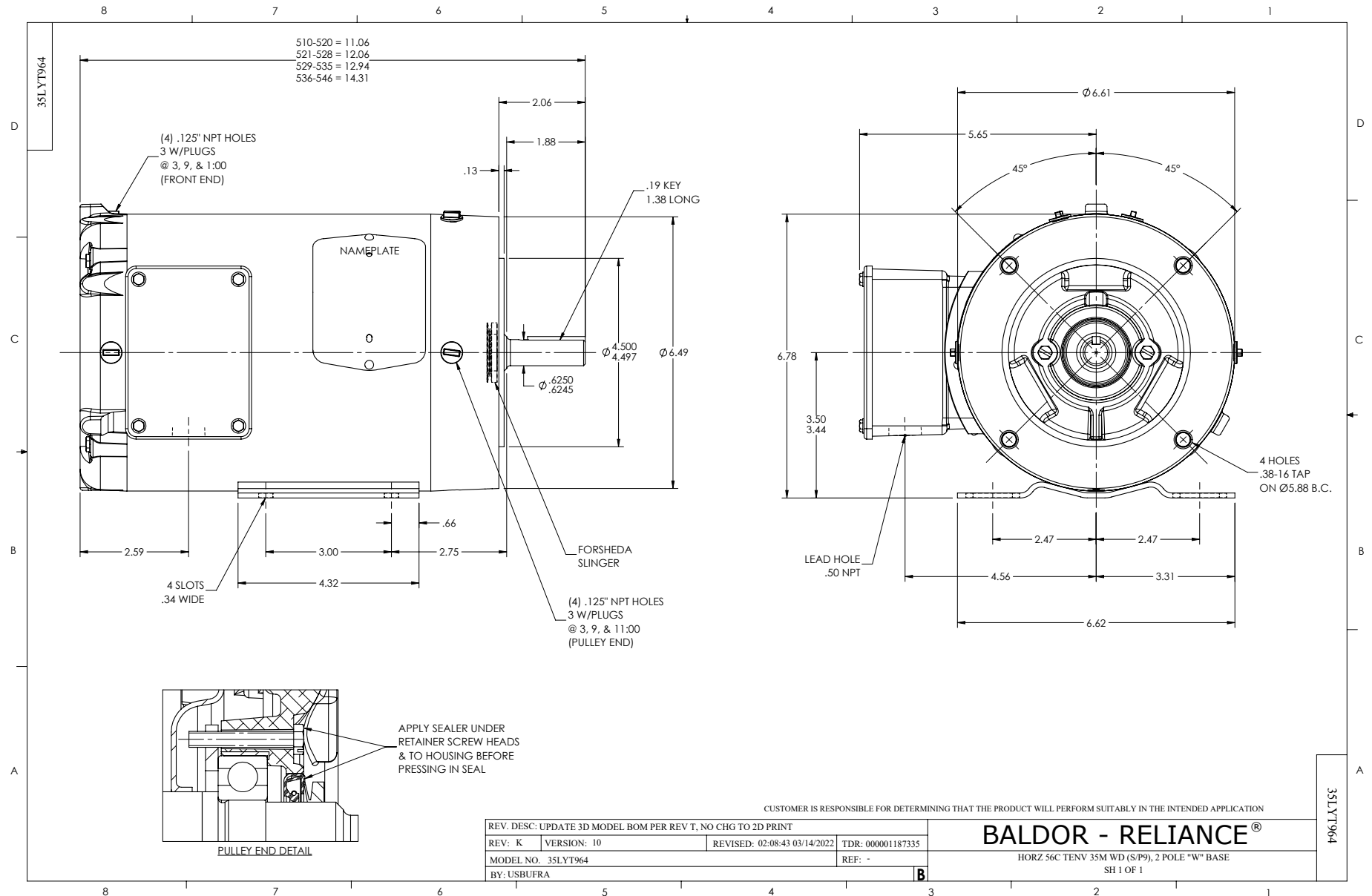
Typical performance - not guaranteed values.

0.75 HP 3 PH 60 HZ 3450 RPM 460 V 3518M

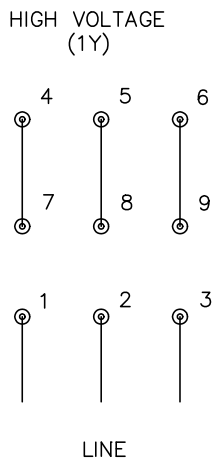
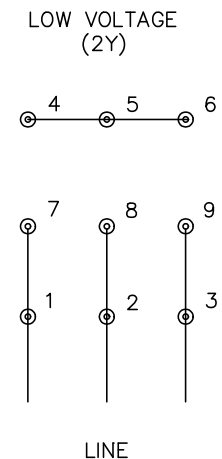
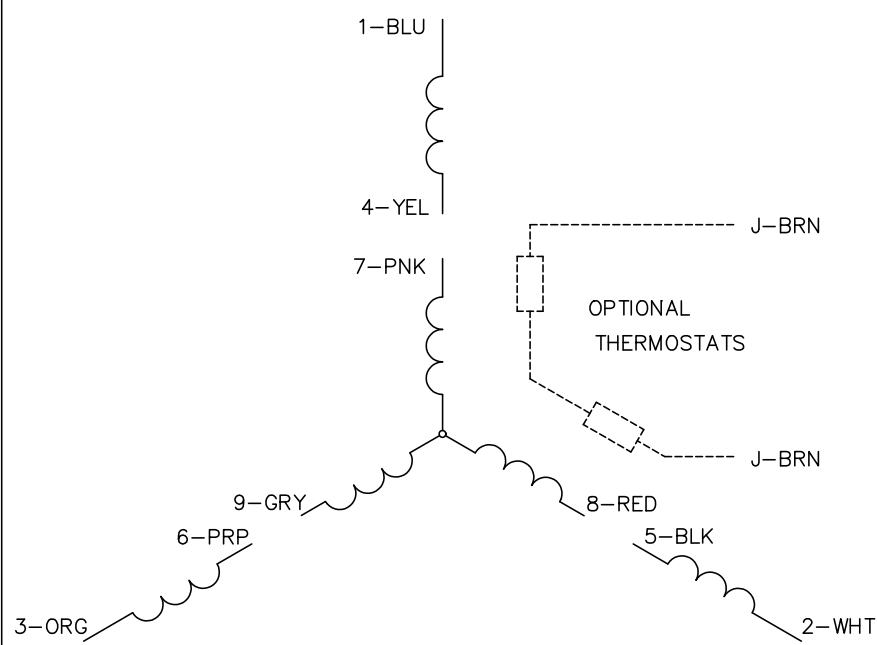
TORQUES (LB-FT): PO=7.6 PU=4.1 LR=5.6 LRA=11.7







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.

|                                           |         |                         |              |
|-------------------------------------------|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                         |              |
| REV. LTR: E                               | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| 900000                                    |         | FILE: AAA00005140       | MDL: -       |
|                                           |         | MTL: -                  |              |

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005