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# Customer information packet

## JL1304A

.5HP, 1725RPM, 1PH, 60HZ, 56J, 3418L, OPEN, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Enclosure                      | OPEN                                                        |
| Frame                          | 56J                                                         |
| Frame Material                 | Steel                                                       |
| Frequency                      | 60.00 Hz                                                    |
| Haz Area Class and Group       | None                                                        |
| Haz Area Division              | Not Applicable                                              |
| Motor Letter Type              | Cap Start, Induction Run                                    |
| Output @ Frequency             | .500 HP @ 60 HZ                                             |
| Phase                          | 1                                                           |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                                            |
| Voltage @ Frequency            | 115.0 V @ 60 HZ<br>230.0 V @ 60 HZ                          |
| Agency Approvals               | UR<br>CSA                                                   |
| Ambient Temperature            | 40 °C                                                       |
| Auxiliary Box                  | NO AUXILLARY BOX                                            |
| Auxiliary Box Lead Termination | None                                                        |
| Base Indicator                 | No Mounting                                                 |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                                     |
| Blower                         | None                                                        |
| Current @ Voltage              | 4.200 A @ 230.0 V<br>4.800 A @ 208.0 V<br>8.400 A @ 115.0 V |
| Design Code                    | N                                                           |
| Drip Cover                     | Drip Cover                                                  |
| Duty Rating                    | CONT                                                        |
| Efficiency @ 100% Load         | 62.0 %                                                      |
| Electrically Isolated Bearing  | Not Electrically Isolated                                   |
| Feedback Device                | NO FEEDBACK                                                 |
| Front Face Code                | Terminal Panel                                              |
| Front Shaft Indicator          | None                                                        |
| Heater Indicator               | No Heater                                                   |

## Part detail

|              |                |
|--------------|----------------|
| Revision     | AB             |
| Type         | AC             |
| Mech. spec.  | 34F036         |
| Base         |                |
| Status       | PRD/A          |
| Elec. spec.  | 34WG5595       |
| Layout       | 34LYF036       |
| Eff. date    | 12-31-2024     |
| CD Diagram   | CD0203         |
| Poles        | 04             |
| Leads        | 5#18,1#16 #1TH |
| Proprietary  | False          |
| Created date | 01-01-0001     |

|                               |                             |
|-------------------------------|-----------------------------|
| High Voltage Full Load Amps   | 4.2 a                       |
| Insulation Class              | B                           |
| Inverter Code                 | Not Inverter                |
| KVA Code                      | K                           |
| Lifting Lugs                  | No Lifting Lugs             |
| Locked Bearing Indicator      | Locked Bearing              |
| Motor Lead Exit               | Terminal Panel Or Lead Hole |
| Motor Lead Quantity/Wire Size | 5 @ 18 AWG                  |
| Motor Lead Termination        | Flying Leads                |
| Motor Standards               | NEMA                        |
| Motor Type                    | 3418L                       |
| Mounting Arrangement          | F1                          |
| Number of Poles               | 4                           |
| Overall Length                | 12.14 IN                    |
| Power Factor                  | 62                          |
| Product Family                | General Purpose             |
| Pulley End Bearing Type       | Ball                        |
| Pulley Face Code              | C-Face                      |
| Pulley Shaft Indicator        | Ext Thread                  |
| 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                | Fixed Opposite Standard     |
| Shaft Slinger Indicator       | No Slinger                  |
| Speed                         | 1725 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             | Automatic Thermal Overload  |

**Winding Thermal 1 Location**

**SB**



## Nameplate

| NP1257L      |              |      |      |     |    |    |    |   |  |
|--------------|--------------|------|------|-----|----|----|----|---|--|
| CAT.NO.      | JL1304A      |      |      |     |    |    |    |   |  |
| SPEC.        | 34F036-5595  |      |      |     |    |    |    |   |  |
| HP           | .5           |      |      |     |    |    |    |   |  |
| VOLTS        | 115/230      |      |      |     |    |    |    |   |  |
| AMP          | 8.4/4.2      |      |      |     |    |    |    |   |  |
| RPM          | 1725         |      |      |     |    |    |    |   |  |
| FRAME        | 56J          |      |      | HZ  | 60 |    | PH | 1 |  |
| SER.F.       | 1.25         | CODE | K    | DES | N  | CL | B  |   |  |
| NEMA-NOM-EFF | 62           | PF   | 62   |     |    |    |    |   |  |
| RATING       | 40C AMB-CONT |      |      |     |    |    |    |   |  |
| CC           |              |      |      |     |    |    |    |   |  |
| DE           | 6203         | ODE  | 6203 |     |    |    |    |   |  |
| ENCL         | OPEN         | SN   |      |     |    |    |    |   |  |
|              | SFA 9.2/4.6  |      |      |     |    |    |    |   |  |

**AC Induction Motor Performance Data**

Record # 6782

Typical performance - not guaranteed values

| Winding: 34WG5595-R001 |    |              | Type: 3418L                              |                         | Enclosure: OPEN       |            |                            |
|------------------------|----|--------------|------------------------------------------|-------------------------|-----------------------|------------|----------------------------|
| Nameplate Data         |    |              | 230 V, 60 Hz:<br>High Voltage Connection |                         |                       |            |                            |
| Rated Output (HP)      |    | .5           | Full Load Torque                         |                         | 1.5 LB-FT             |            |                            |
| Volts                  |    | 115/230      | Start Configuration                      |                         | direct on line        |            |                            |
| Full Load Amps         |    | 8.4/4.2      | Breakdown Torque                         |                         | 4.35 LB-FT            |            |                            |
| R.P.M.                 |    | 1725         | Pull-up Torque                           |                         | 3.75 LB-FT            |            |                            |
| Hz                     | 60 | Phase        | 1                                        | Locked-rotor Torque     |                       | 5.03 LB-FT |                            |
| NEMA Design Code       |    | N            | KVA Code                                 | K                       | Starting Current      |            | 18 A                       |
| Service Factor (S.F.)  |    | 1.25         |                                          | No-load Current         |                       | 3.4 A      |                            |
| NEMA Nom. Eff.         |    | 62           | Power Factor                             | 62                      | Line-line Res. @ 25°C |            | 4.24 Ω A Ph<br>3.24 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |                                          | Temp. Rise @ Rated Load |                       | 66°C       |                            |
| S.F. Amps              |    | 9.2/4.6      |                                          | Temp. Rise @ S.F. Load  |                       | 78°C       |                            |

**Load Characteristics 230 V, 60 Hz, 0.5 HP**

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 30   | 42   | 53   | 62   | 69   | 77   | 69   |
| Efficiency      | 36   | 52   | 60   | 64   | 65   | 65   | 65   |
| Speed           | 1780 | 1765 | 1750 | 1730 | 1711 | 1685 | 1711 |
| Line amperes    | 3.45 | 3.6  | 3.85 | 4.2  | 4.6  | 5.2  | 4.6  |

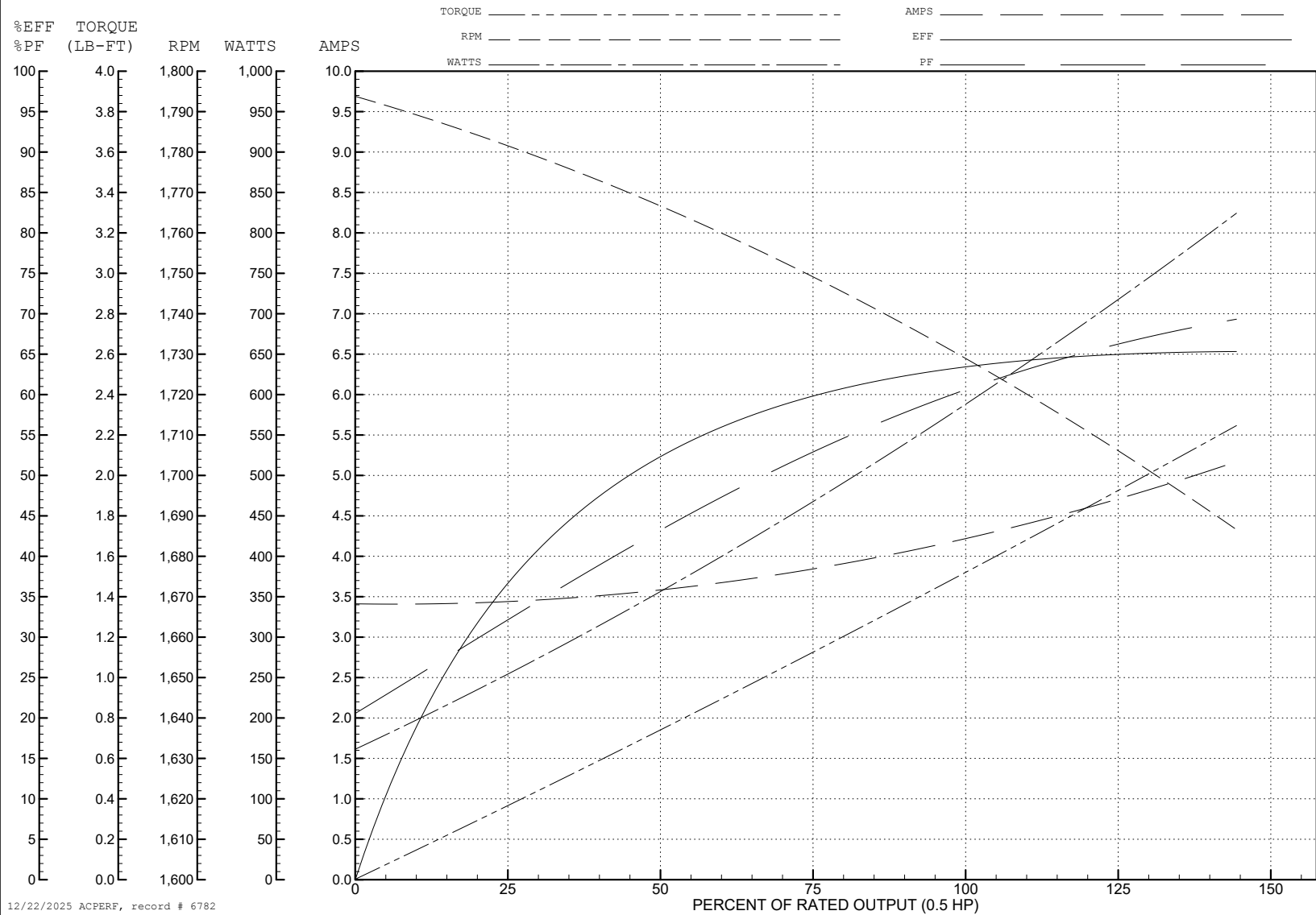
ABB Motors and Mechanical Inc.

WINDING # 34WG5595

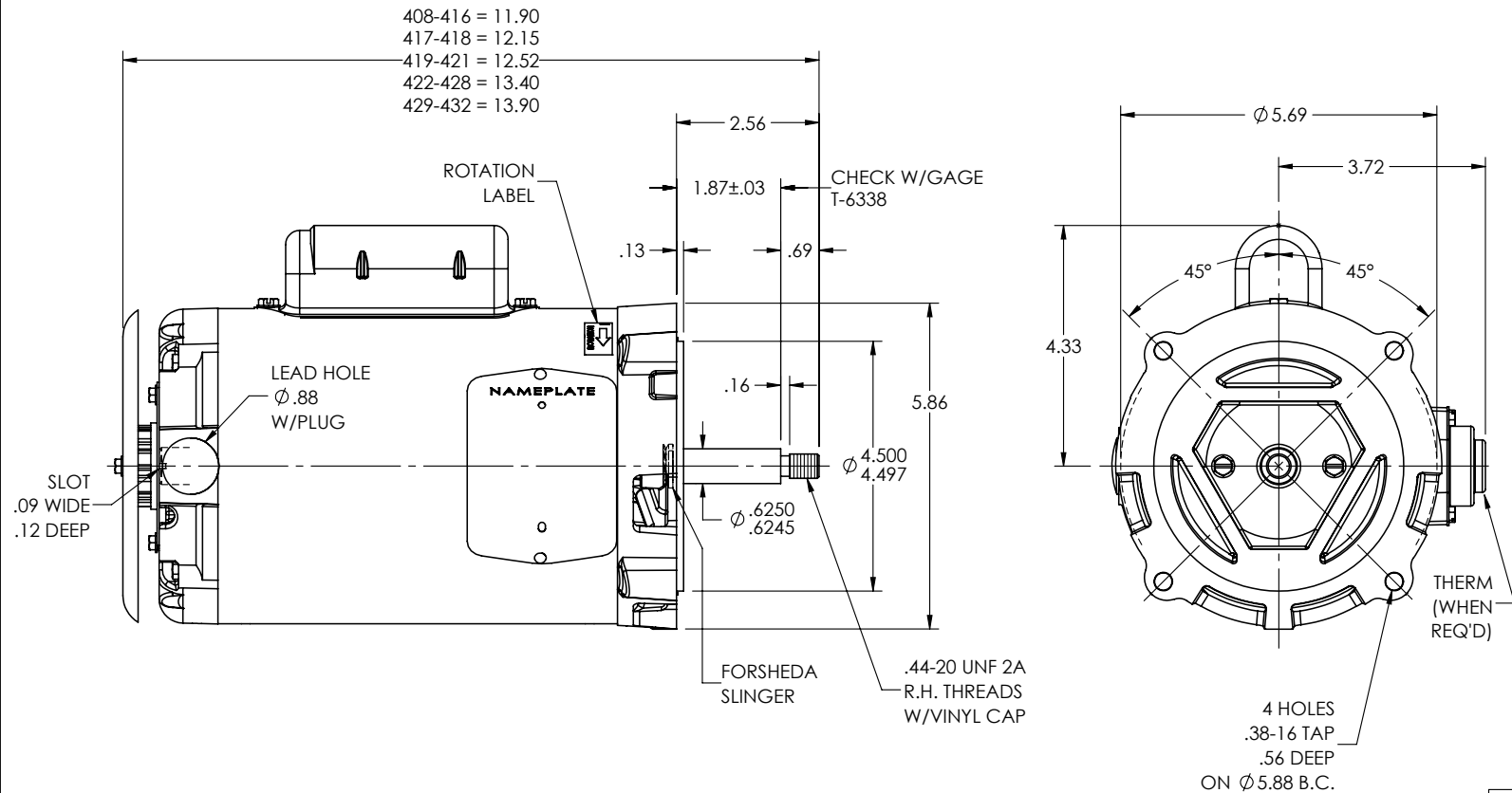
Typical performance - not guaranteed values.

0.5 HP 1 PH 60 HZ 1725 RPM 230 V 3418L

TORQUES (LB-FT): PO=4.35 PU=3.75 LR=5.03 LRA=18



34LYF036



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: CLEAN UP DIMENSIONING

REV: L

VERSION: 04

REVISED: 03:37:02 08/29/2025

TDR: 000001262510

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34LYF036

MODEL NO. 34LYF036

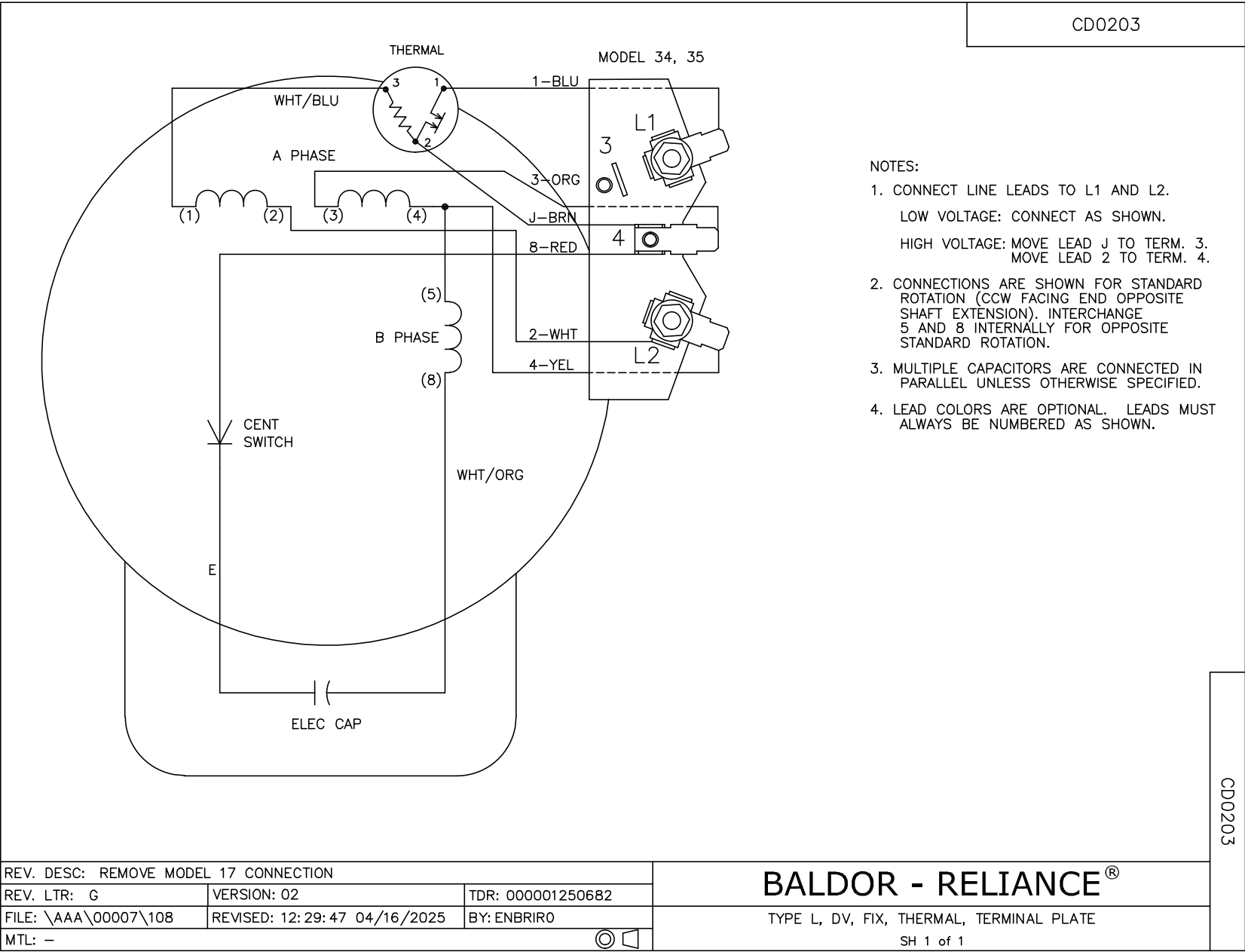
REF: -

BY: ENJEFD0

STD VERT 34L NEMA 56J OPEN W/DRIP COVER &amp; TERM PLATE

34LYF036

CD0203



CD0203

REV. DESC: REMOVE MODEL 17 CONNECTION

REV. LTR: G

VERSION: 02

TDR: 000001250682

FILE: \AAA\00007\108

REVISED: 12: 29: 47 04/16/2025

BY: ENBRIRO

MTL: -



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TYPE L, DV, FIX, THERMAL, TERMINAL PLATE

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