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# Customer information packet

## L1318TM

1HP, 1740RPM, 1PH, 60HZ, 143T, 3524L, OPEN, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Enclosure                      | OPEN                                    |
| Frame                          | 143T                                    |
| 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             | 1.000 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               | C UR US                                 |
| 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              | 12.800 A @ 115.0 V<br>6.400 A @ 230.0 V |
| Design Code                    | L                                       |
| Drip Cover                     | No Drip Cover                           |
| Duty Rating                    | CONT                                    |
| Efficiency @ 100% Load         | 68.0 %                                  |
| Electrically Isolated Bearing  | Not Electrically Isolated               |
| Feedback Device                | NO FEEDBACK                             |
| Front Shaft Indicator          | None                                    |
| Heater Indicator               | No Heater                               |
| High Voltage Full Load Amps    | 6.4 a                                   |
| Insulation Class               | F                                       |
| Inverter Code                  | Not Inverter                            |

## Part detail

|              |                |
|--------------|----------------|
| Revision     | G              |
| Type         | AC             |
| Mech. spec.  | 35DD001        |
| Base         |                |
| Status       | PRD/A          |
| Elec. spec.  | 35WGG390       |
| Layout       | 35LYDD001      |
| Eff. date    | 09-05-2024     |
| CD Diagram   | CD0008         |
| Poles        | 04             |
| Leads        | 6#18,1#14 #4TH |
| Proprietary  | False          |
| Created date | 12-19-2022     |

|                               |                         |
|-------------------------------|-------------------------|
| IP Rating                     | NONE                    |
| KVA Code                      | K                       |
| Lifting Lugs                  | No Lifting Lugs         |
| Locked Bearing Indicator      | No Locked Bearing       |
| Motor Lead Quantity/Wire Size | 6 @ 18 AWG              |
| Motor Lead Termination        | Flying Leads            |
| Motor Standards               | NEMA                    |
| Motor Type                    | 3524L                   |
| Mounting Arrangement          | F1                      |
| Number of Poles               | 4                       |
| Overall Length                | 12.13 IN                |
| Power Factor                  | 75                      |
| Product Family                | General Purpose         |
| Pulley End Bearing Type       | Ball                    |
| Pulley Face Code              | Standard                |
| Pulley Shaft Indicator        | Standard                |
| Rodent Screen                 | None                    |
| Service Factor                | 1.15                    |
| Shaft Diameter                | 0.875 IN                |
| Shaft Ground Indicator        | No Shaft Grounding      |
| Shaft Rotation                | Reversible              |
| Shaft Slinger Indicator       | No Slinger              |
| Speed                         | 1740 rpm                |
| Speed Code                    | Single Speed            |
| Starting Method               | Direct on line          |
| Thermal Device - Bearing      | None                    |
| Thermal Device - Winding      | Do Not Use              |
| Vibration Sensor Indicator    | No Vibration Sensor     |
| Winding Thermal 1             | Manual Thermal Overload |
| Winding Thermal 1 Location    | SB                      |
| Winding Thermal 2             | None                    |

## Nameplate

| NP1257L      |              |      |     |    |      |  |    |    |    |   |   |
|--------------|--------------|------|-----|----|------|--|----|----|----|---|---|
| CAT.NO.      | L1318TM      |      |     |    |      |  |    |    |    |   |   |
| SPEC.        | 35DD001G390  |      |     |    |      |  |    |    |    |   |   |
| HP           | 1            |      |     |    |      |  |    |    |    |   |   |
| VOLTS        | 115/230      |      |     |    |      |  |    |    |    |   |   |
| AMP          | 12.8/6.4     |      |     |    |      |  |    |    |    |   |   |
| RPM          | 1740         |      |     |    |      |  |    |    |    |   |   |
| FRAME        | 143T         |      |     |    | HZ   |  | 60 |    | PH |   | 1 |
| SER.F.       | 1.15         | CODE |     | K  | DES  |  | L  | CL |    | F |   |
| NEMA-NOM-EFF | 68           | PF   |     | 75 |      |  |    |    |    |   |   |
| RATING       | 40C AMB-CONT |      |     |    |      |  |    |    |    |   |   |
| CC           |              |      |     |    |      |  |    |    |    |   |   |
| DE           | 6205         |      | ODE |    | 6203 |  |    |    |    |   |   |
| ENCL         | OPEN         | SN   |     |    |      |  |    |    |    |   |   |
|              |              |      |     |    |      |  |    |    |    |   |   |

**Accessories**

| Part number   | Description  | Multiplier |
|---------------|--------------|------------|
| 35-8764       | C FACE KIT   | A8         |
| 35EP1604A01SP | D-FLANGE KIT |            |

**AC Induction Motor Performance Data**

Record # 107851

Typical performance - not guaranteed values

| Winding: 35WGG390-R002 |    |              | Type: 3524L                              |                         | Enclosure: OPEN       |            |                                |
|------------------------|----|--------------|------------------------------------------|-------------------------|-----------------------|------------|--------------------------------|
| Nameplate Data         |    |              | 230 V, 60 Hz:<br>High Voltage Connection |                         |                       |            |                                |
| Rated Output (HP)      |    | 1            | Full Load Torque                         |                         | 3.083 LB-FT           |            |                                |
| Volts                  |    | 115/230      | Start Configuration                      |                         | direct on line        |            |                                |
| Full Load Amps         |    | 12.8/6.4     | Breakdown Torque                         |                         | 6.48 LB-FT            |            |                                |
| R.P.M.                 |    | 1740         | Pull-up Torque                           |                         | 5.08 LB-FT            |            |                                |
| Hz                     | 60 | Phase        | 1                                        | Locked-rotor Torque     |                       | 9.87 LB-FT |                                |
| NEMA Design Code       |    | L            | KVA Code                                 | K                       | Starting Current      |            | 37.42 A                        |
| Service Factor (S.F.)  |    | 1.15         |                                          | No-load Current         |                       | 4.11 A     |                                |
| NEMA Nom. Eff.         |    | 68           | Power Factor                             | 75                      | Line-line Res. @ 25°C |            | 3.1392 Ω A Ph<br>1.3641 Ω B Ph |
| Rating - Duty          |    | 40C AMB-CONT |                                          | Temp. Rise @ Rated Load |                       |            |                                |

**Load Characteristics 230 V, 60 Hz, 1 HP**

| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor    | 38     | 55     | 67     | 75     | 81     | 84     | 79   |
| Efficiency      | 52.3   | 65.3   | 69     | 69.1   | 66.9   | 62.2   | 67.8 |
| Speed           | 1785.1 | 1772.7 | 1758.5 | 1741.1 | 1719.1 | 1687.9 | 1728 |
| Line amperes    | 4.26   | 4.73   | 5.44   | 6.39   | 7.6    | 9.19   | 7.12 |

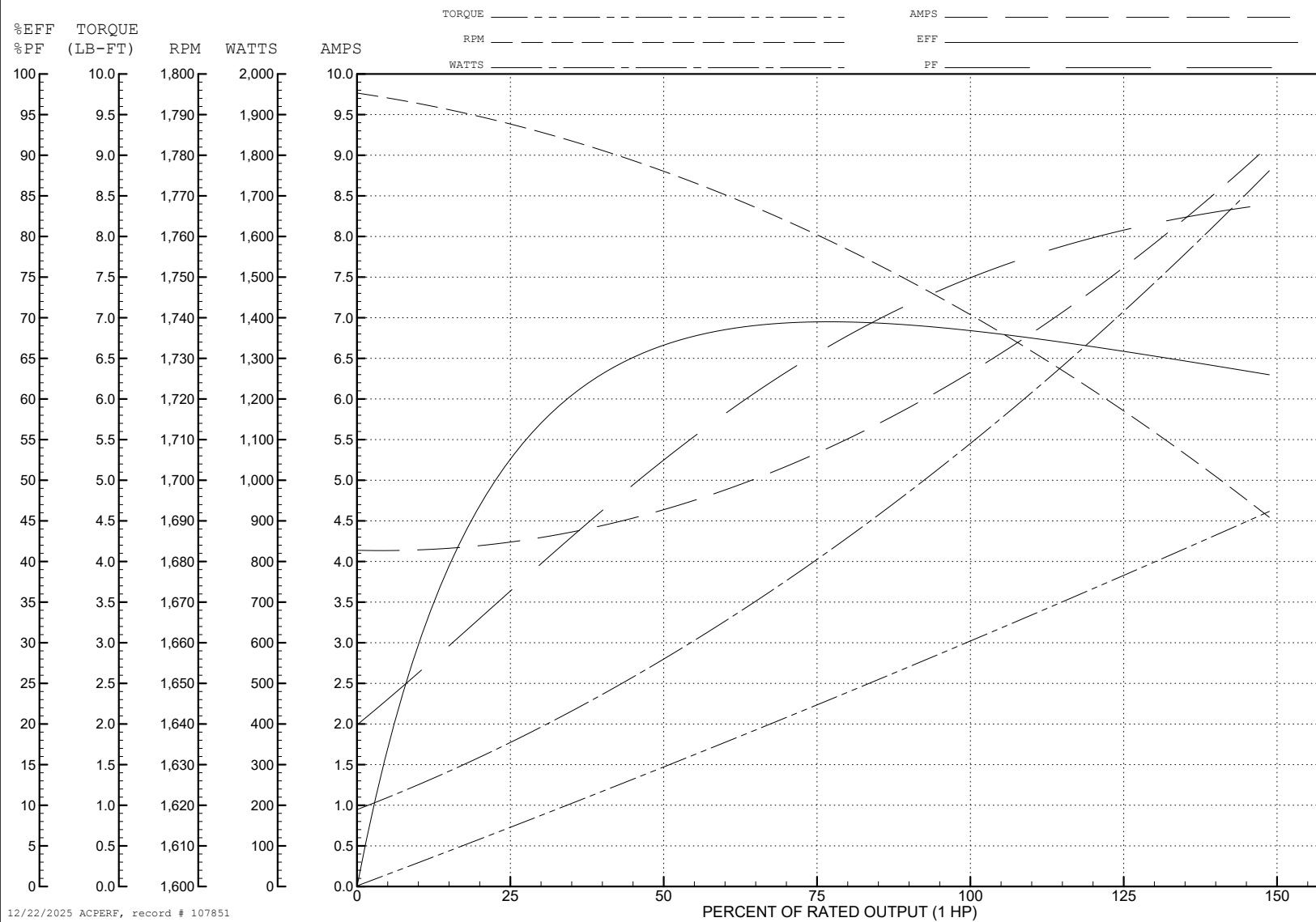
ABB Motors and Mechanical Inc.

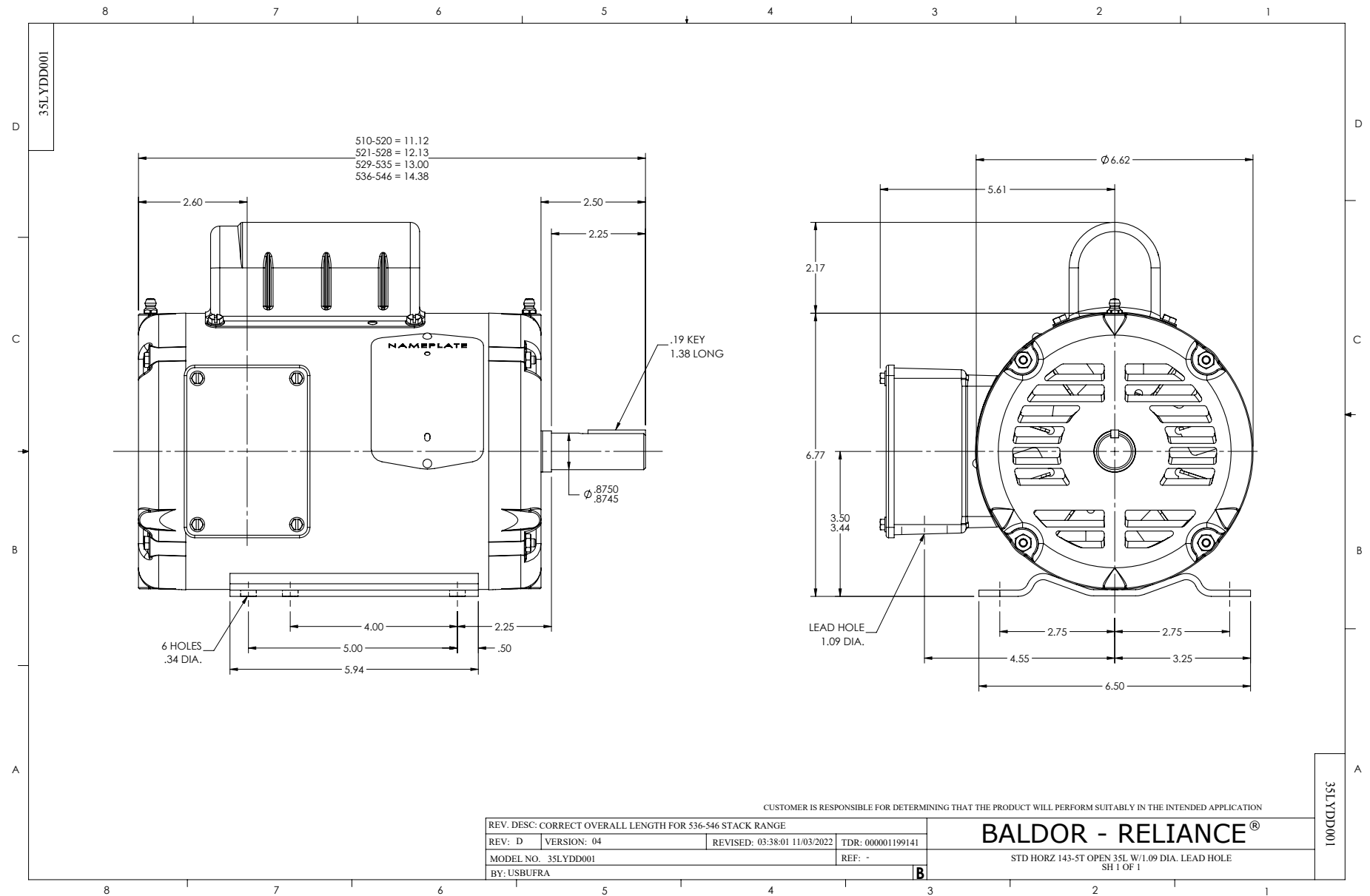
WINDING # 35WGG390

Typical performance - not guaranteed values.

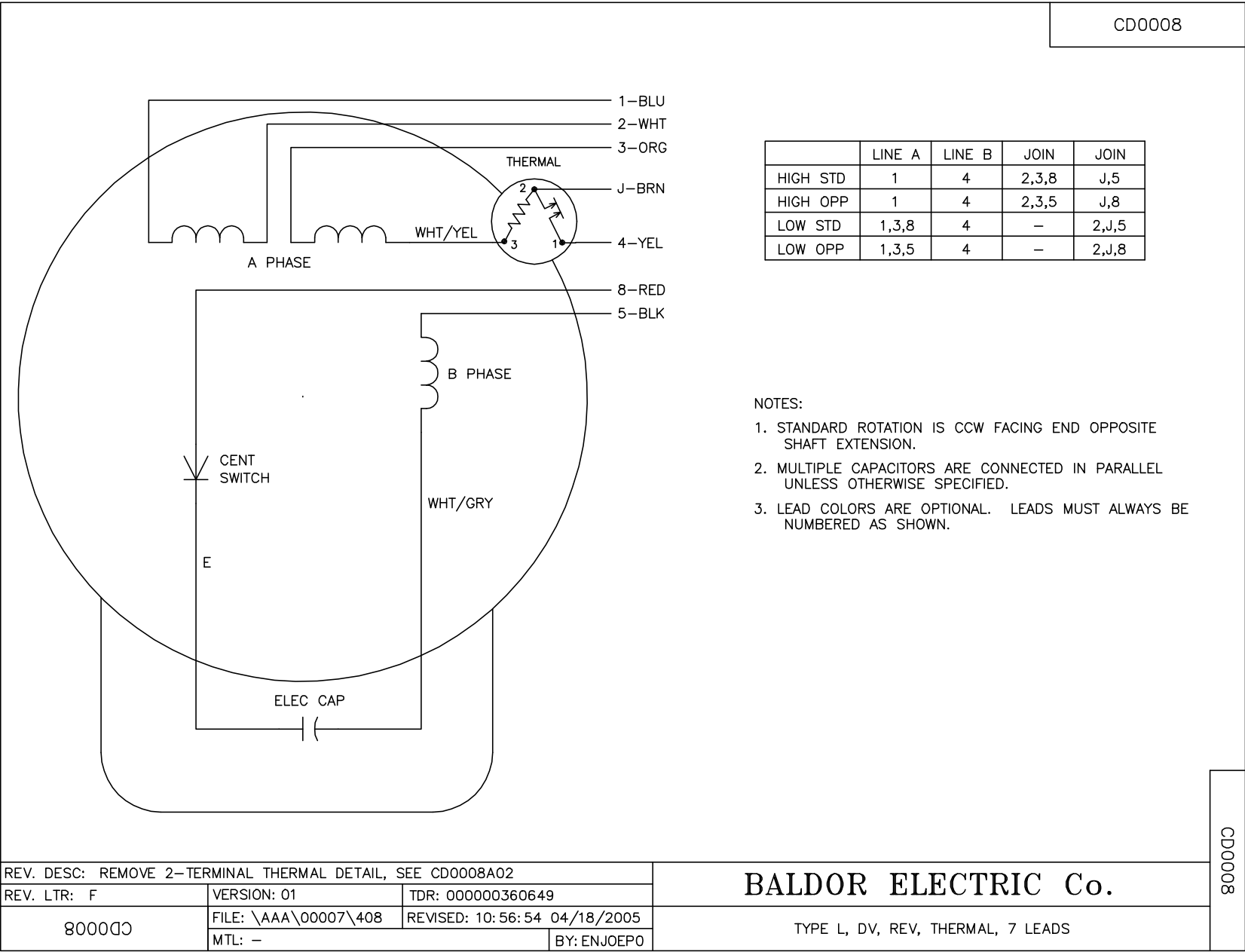
1 HP 1 PH 60 HZ 1740 RPM 230 V 3524L

TORQUES (LB-FT): PO=6.48 PU=5.08 LR=9.87 LRA=37.42





CD0008



|                                                            |                      |                              |
|------------------------------------------------------------|----------------------|------------------------------|
| REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02 |                      |                              |
| REV. LTR: F                                                | VERSION: 01          | TDR: 000000360649            |
| 800000                                                     | FILE: \AAA\00007\408 | REVISED: 10:56:54 04/18/2005 |
|                                                            | MTL: —               | BY: ENJOEPO                  |

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008