

ABB BALDOR RELIANCE III

Customer information packet

VL3506A

.75HP, 3450RPM, 1PH, 60HZ, 56C, 3424L, TEFC, F1

Class - None

Division - Not Applicable

Specifications

| | |
|---------------------------------------|--|
| Enclosure | TEFC |
| Frame | 56C |
| 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 | .750 HP @ 60 HZ |
| Phase | 1 |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ |
| Voltage @ Frequency | 115.0 V @ 60 HZ 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 | No Mounting |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Blower | None |
| Current @ Voltage | 4.800 A @ 230.0 V 9.600 A @ 115.0 V |
| Design Code | N |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 66.0 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Face Code | Standard |
| Front Shaft Indicator | None |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 4.8 a |
| Insulation Class | B |

Part Detail

| | |
|---------------------|----------------|
| Revision | R |
| Type | AC |
| Mech. spec. | 34K043 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 34WG3514 |
| Layout | 34LYK043 |
| Eff. date | 01-13-2025 |
| CD Diagram | CD0008 |
| Poles | 02 |
| Leads | 6#18,1#14 #4TH |
| Proprietary | False |
| Created date | 01-13-2006 |

| | |
|--------------------------------------|----------------------------|
| Inverter Code | Not Inverter |
| KVA Code | K |
| Lifting Lugs | No Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Motor Lead Exit | Ko Box |
| Motor Lead Quantity/Wire Size | 6 @ 18 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3424L |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 11.97 IN |
| Power Factor | 74 |
| Product Family | General Purpose |
| Pulley End Bearing Type | Ball |
| 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 | No Slinger |
| Speed | 3450 rpm |
| Speed Code | Single Speed |
| Starting Method | Direct on line |
| Thermal Device - Bearing | None |
| Thermal Device - Winding | Do Not Use Eve-Not Valiid |
| Vibration Sensor Indicator | No Vibration Sensor |
| Winding Thermal 1 | Automatic Thermal Overload |
| Winding Thermal 1 Location | SB |
| Winding Thermal 2 | None |

Nameplate

| NP1257L | |
|---------------------|---|
| CAT.NO. | VL3506A |
| SPEC. | 34K043-3514 |
| HP | .75 |
| VOLTS | 115/230 |
| AMP | 9.6/4.8 |
| RPM | 3450 |
| FRAME | 56C HZ 60 PH 1 |
| SER.F. | 1.25 CODE K DES N CL B |
| NEMA-NOM-EFF | 66 PF 74 |
| RATING | 40C AMB-CONT |
| CC | |
| DE | 6203 ODE 6203 |
| ENCL | TEFC SN |
| | SFA 11.4/5.7 |

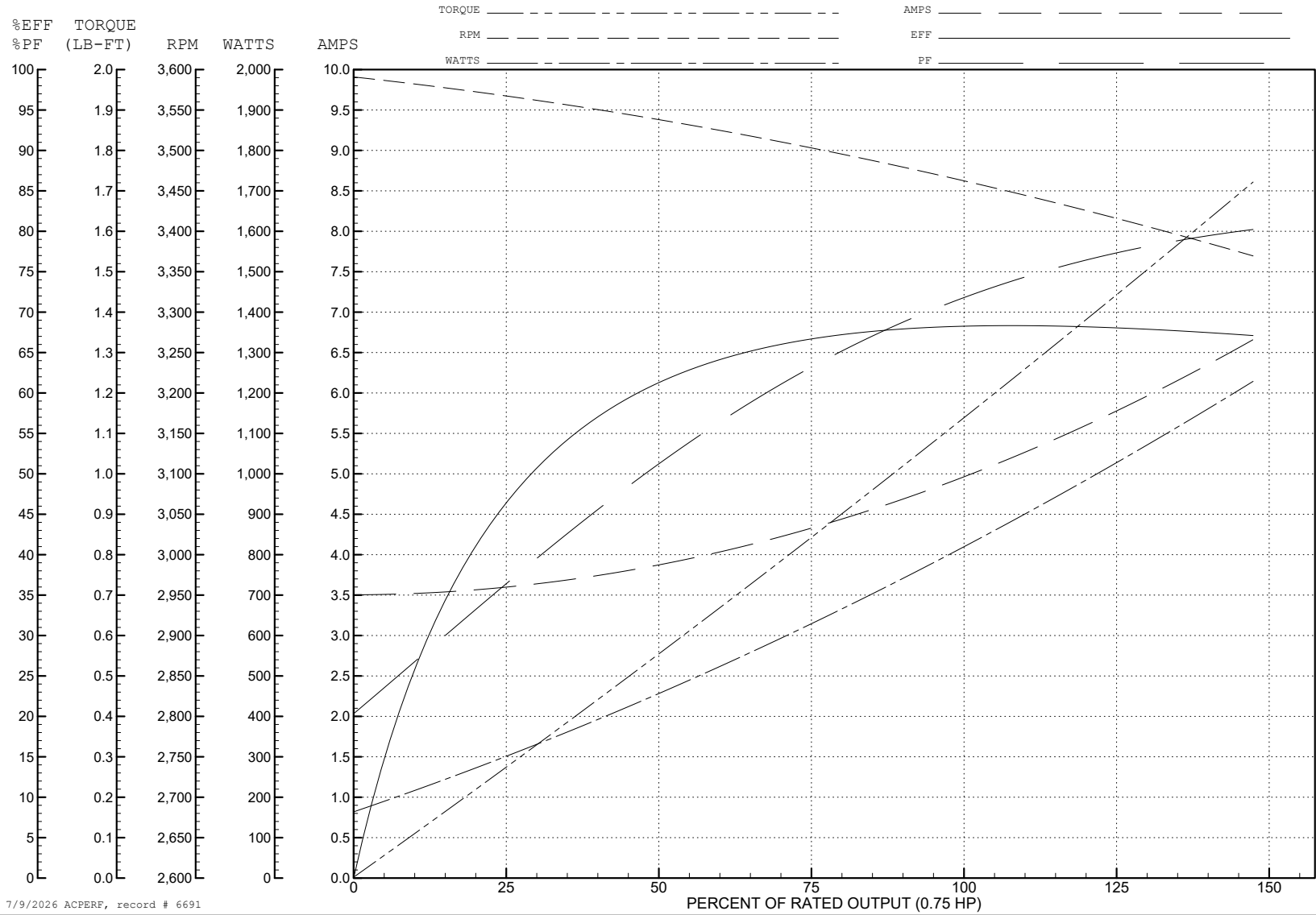
ABB Motors and Mechanical Inc.

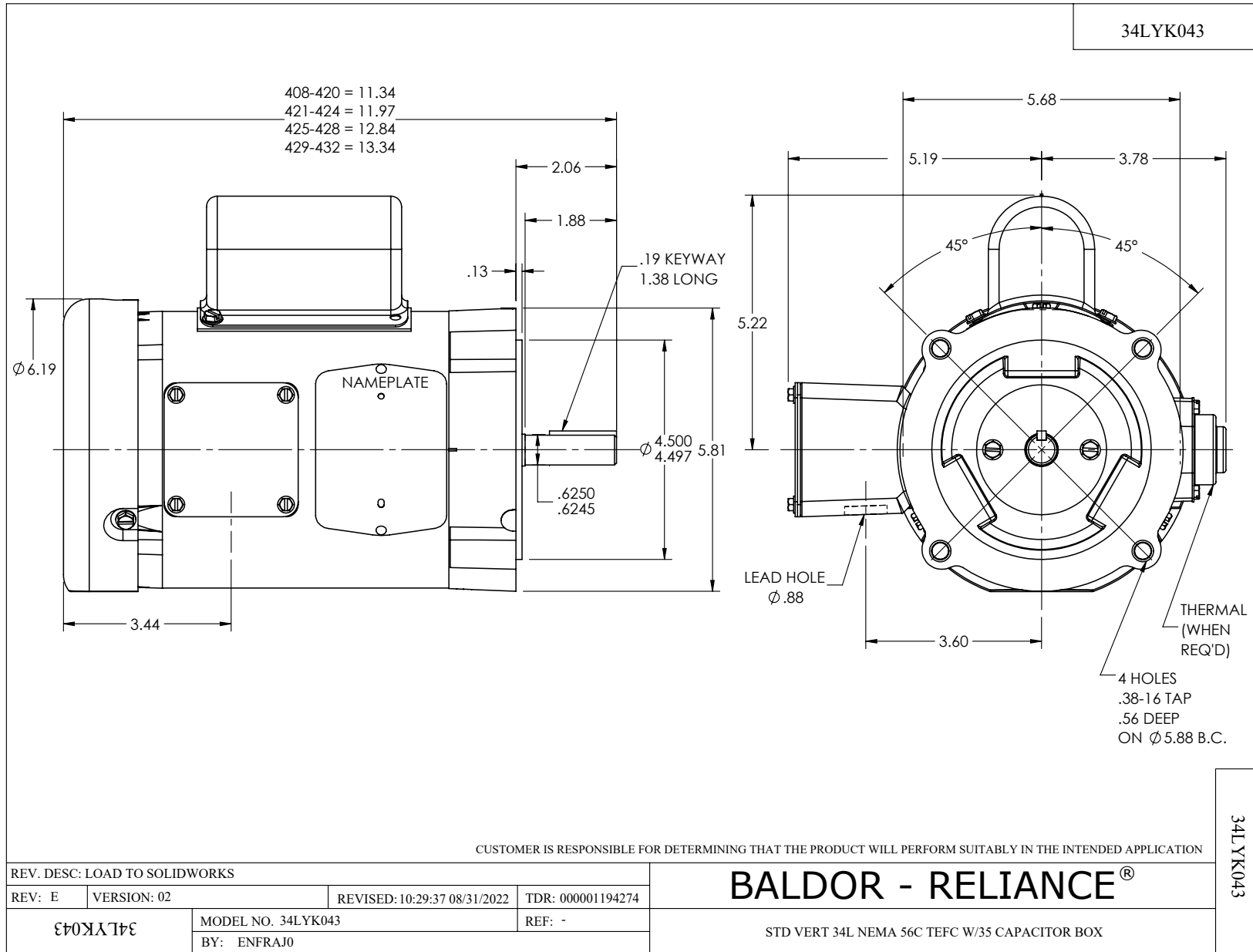
WINDING # 34WG3514

Typical performance - not guaranteed values.

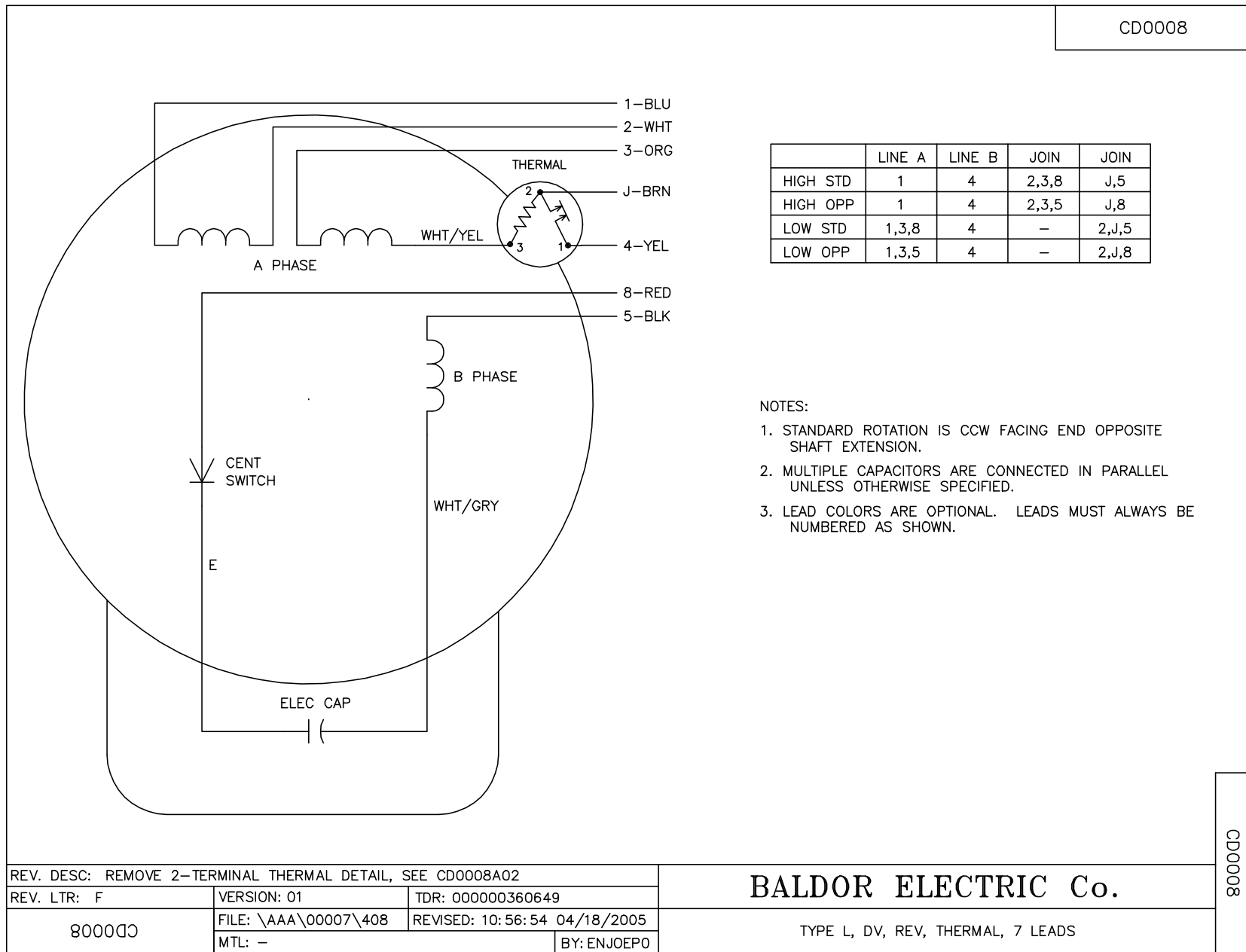
0.75 HP 1 PH 60 HZ 3450 RPM 230 V 3424L

TORQUES (LB-FT): PO=3.5 PU=2.7 LR=3.7 LRA=28





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