ABB BALDOR RELIANCE

# Customer information packet

## EL1304

.5HP, 1745RPM, 1PH, 60HZ, 56, 3424LC, OPEN, F1
Class -
Division - Not Applicable

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11/12/2026 2:58:33 PM

## Specifications

| | |
|---|---|
| **Enclosure** | ODP |
| **Frame** | 56 |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Cap Start, Cap Run |
| **Output @ Frequency** | .500 HP @ 60 HZ |
| **Phase** | 1 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 115.0 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** | RG |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 2.300 A @ 230.0 V |
| | 4.600 A @ 115.0 V |
| **Design Code** | N |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 78.5 % |
| **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** | 2.3 a |

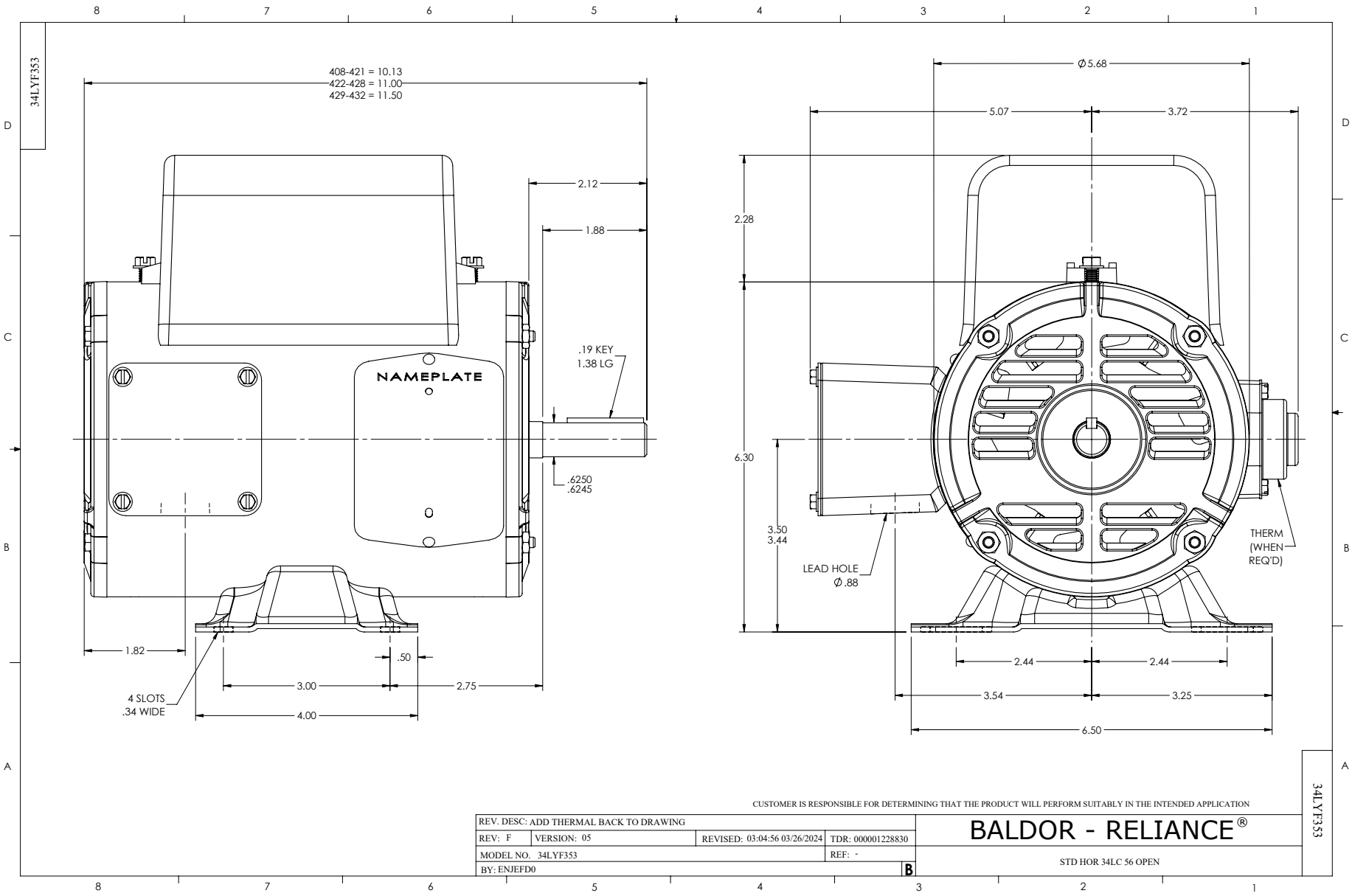
## Part Detail

| | |
|---|---|
| **Revision** | AC |
| **Type** | AC |
| **Mech. spec.** | 34F353 |
| **Base** | |
| **Status** | NLA/A |
| **Elec. spec.** | 34WGW959 |
| **Layout** | 34LYF353 |
| **Eff. date** | 01-21-2015 |
| **CD Diagram** | CD0055 |
| **Poles** | 04 |
| **Leads** | 6#18 |
| **Proprietary** | False |
| **Created date** | 01-01-0001 |

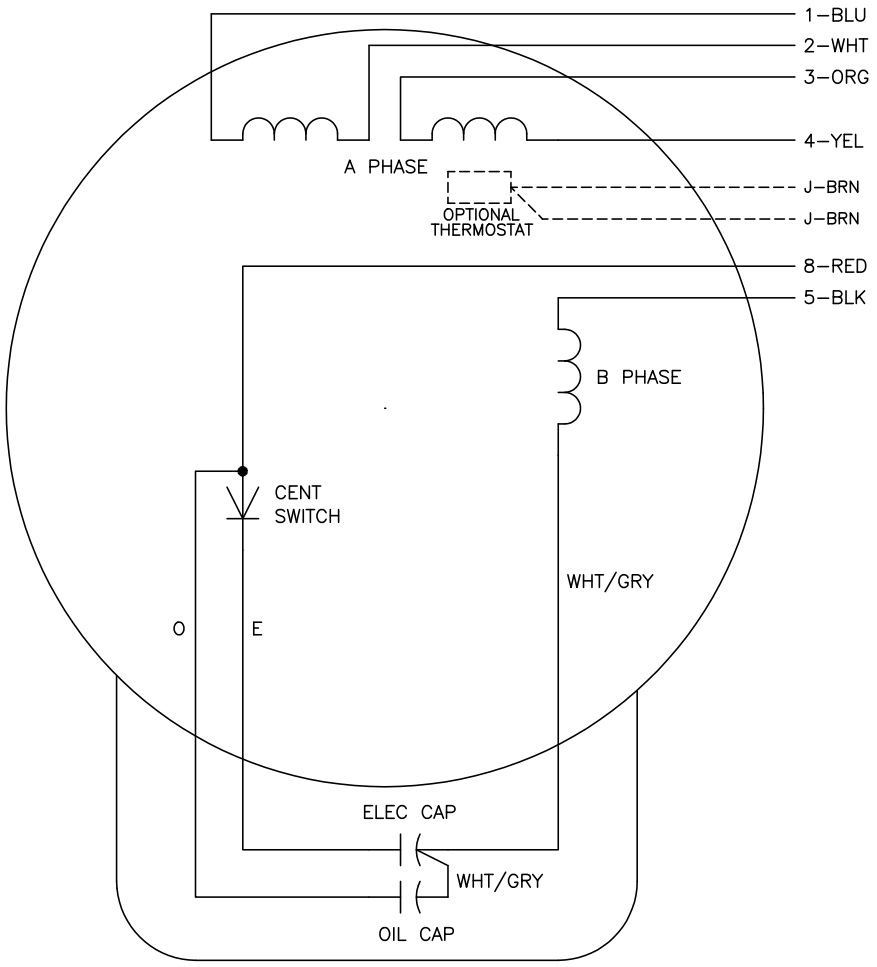
| | |
|---|---|
| **Insulation Class** | F |
| **Inverter Code** | Not Inverter |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 6 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3424LC |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 11.00 IN |
| **Power Factor** | 89 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **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** | 1745 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |

**Nameplate**

| NP2117L | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | EL1304 | | | | | | | | |
| **SPEC.** | 34F353W959G1 | | | | | | | | |
| **HP** | .5 | | | | | | | | |
| **VOLTS** | 115/230 | | | | | | | | |
| **AMP** | 4.6/2.3 | | | | | | | | |
| **RPM** | 1745 | | | | | | | | |
| **FRAME** | 56 | **HZ** | 60 | | **PH** | 1 | | | |
| **SER.F.** | 1.25 | **CODE** | K | **DES** | N | **CL** | F | | |
| **NEMA-NOM-EFF** | 78.5 | **PF** | 89 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | | | | | | | | | |
| **DE** | 6203 | **ODE** | 6203 | | | | | | |
| **ENCL** | OPEN | **SN** | | | | | | | |
| | SFA 5.6/2.8 | | | | | | | | |


34LYF353
408-421 = 10.13
422-428 = 11.00
429-432 = 11.50
2.12
1.88
.19 KEY
1.38 LG
NAMEPLATE
.6250
.6245
1.82
.50
3.00
2.75
4.00
4 SLOTS
.34 WIDE
Ø5.68
5.07
3.72
2.28
6.30
3.50
3.44
LEAD HOLE
Ø .88
THERM
(WHEN
REQ'D)
2.44
2.44
3.54
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL BACK TO DRAWING
REV: F
VERSION: 05
REVISED: 03:04:56 03/26/2024
TDR: 000001228830
MODEL NO. 34LYF353
REF: -
BY: ENJEFD0
B
BALDOR - RELIANCE®
STD HOR 34LC 56 OPEN
34LYF353

CD0055




| | LINE A | LINE B | JOIN |
|---|---|---|---|
| HIGH STD | 1 | 4,5 | 2,3,8 |
| HIGH OPP | 1 | 4,8 | 2,3,5 |
| LOW STD | 1,3,8 | 2,4,5 | – |
| LOW OPP | 1,3,5 | 2,4,8 | – |

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: D | BY: JLP | REVISED: 04/08/99 1:17 | TDR: 0178636 |
| CD0055 | | FILE: AAA00007414 | MDL: – |
| | | MTL: – | TYPE LC, DV, REV, 6 LEADS |

CD0055