

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **AOM3546T**

**1HP,1725RPM,3PH,60HZ,143T,3428M,TEAO,F1**

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| Part Detail       |                    |             |       |                |          |               |            |       |   |
|-------------------|--------------------|-------------|-------|----------------|----------|---------------|------------|-------|---|
| Revision:         | S                  | Status:     | PRD/A | Change #:      |          | Proprietary:  | No         |       |   |
| Type:             | AC                 | Prod. Type: | 3428M | Elec. Spec:    | 34WG3254 | CD Diagram:   |            |       |   |
| Enclosure:        | TEAO               | Mfg Plant:  |       | Mech. Spec:    | 34T061   | Layout:       |            |       |   |
| Frame:            | 143T               | Mounting:   | F1    | Poles:         | 04       | Created Date: |            |       |   |
| Base:             | RG                 | Rotation:   | R     | Insulation:    | B        | Eff. Date:    | 03-28-2011 |       |   |
| Leads:            | 9#18 36" LG        | Literature: | Y     | Elec. Diagram: |          | Replaced By:  |            |       |   |
| Nameplate NP1256L |                    |             |       |                |          |               |            |       |   |
| CAT.NO.           | AOM3546T           |             |       |                |          |               |            |       |   |
| SPEC.             | 34T61-3254         |             |       |                |          |               |            |       |   |
| HP                | 1 AIR OVER         |             |       |                |          |               |            |       |   |
| VOLTS             | 208-230/460        |             |       |                |          |               |            |       |   |
| AMP               | 3.8-3.6/1.8        |             |       |                |          |               |            |       |   |
| RPM               | 1725               |             |       |                |          |               |            |       |   |
| FRAME             | 143T               | HZ          |       |                | 60       | PH            | 3          |       |   |
| SER.F.            | 1.00               | CODE        |       |                | L        | DES           | B          | CLASS | B |
| NEMA-NOM-EFF      | 75.5               | PF          |       |                | 64       |               |            |       |   |
| RATING            | 40C AMB-CONT       |             |       |                |          |               |            |       |   |
| CC                |                    |             |       | USABLE AT 208V |          | 3.8           |            |       |   |
| DE                | 6205               | ODE         |       |                | 6203     |               |            |       |   |
| ENCL              | TEAO               | SN          |       |                |          |               |            |       |   |
|                   | 1000 FPM AT 44 CFM |             |       |                |          |               |            |       |   |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA007569      | SA 34T61-3254                            | 1.000 EA |
| RA004105      | RA 34T61-3254                            | 1.000 EA |
| NS2512A01     | INSULATOR, CONDUIT BOX X                 | 1.000 EA |
| 34CB3002A     | CB CAST W/.88 DIA HOLE                   | 1.000 EA |
| 34GS1029A01   | GASKET, CONDUIT BOX                      | 1.000 EA |
| 51XB1016A07   | 10-16 X 7/16 HXWSSLD SERTYB              | 2.000 EA |
| 11XW1032G06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 34EP3100A03SP | FR ENDPLATE, MACH                        | 1.000 EA |
| HW5100A03SP   | WAVY WASHER (W1543-017)                  | 1.000 EA |
| 34EP3904T01   | PU ENDPLATE, MACH                        | 1.000 EA |
| XY1032A02     | 10-32 HEX NUT DIRECTIONAL SERRATION      | 4.000 EA |
| 34CB4517      | CB LID 4 MTG HOLES .22 DIA STAMPED, FOR  | 1.000 EA |
| 34GS1031A01   | GASKET, FLAT CONDUIT BOX LID (LEXIDE)    | 1.000 EA |
| 51XW0832A07   | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 EA |
| HW2501D13SP   | KEY, 3/16 SQ X 1.375                     | 1.000 EA |
| HA7000A01     | KEY RETAINER 7/8" DIA SHAFT              | 1.000 EA |
| MG1000G27     | PAINT- S9282E CHARCOAL GREY              | 0.014 GA |
| 10XF0440S02   | 04-40 X 1/8 TYPE F HEX HD STAINLESS STIC | 2.000 EA |
| HA3100A45     | THRUBOLT 10-32 X 8.875                   | 4.000 EA |
| LB1125C01     | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| LC0005E01     | CONN.DIA./WARNING LABEL (LC0005/LB1119)  | 1.000 EA |
| NP1256L       | ALUM UL CSA CC                           | 1.000 EA |
| 34PA1005      | PACKING GROUP, BALDOR                    | 1.000 EA |

| Accessories |             |            |
|-------------|-------------|------------|
| Part Number | Description | Multiplier |
| 34-3903T    | C FACE KIT  | A8         |

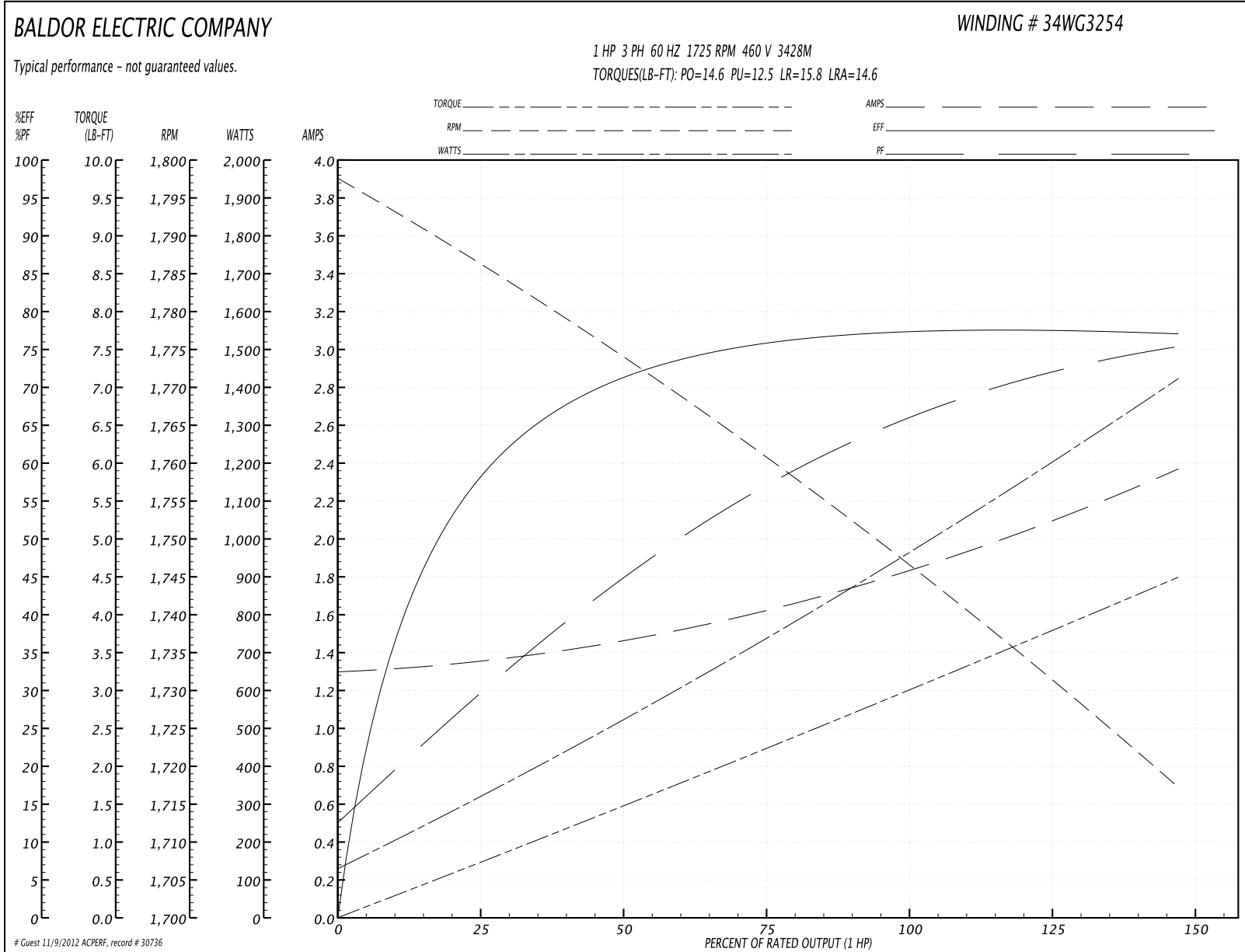
**Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)****General Characteristics**

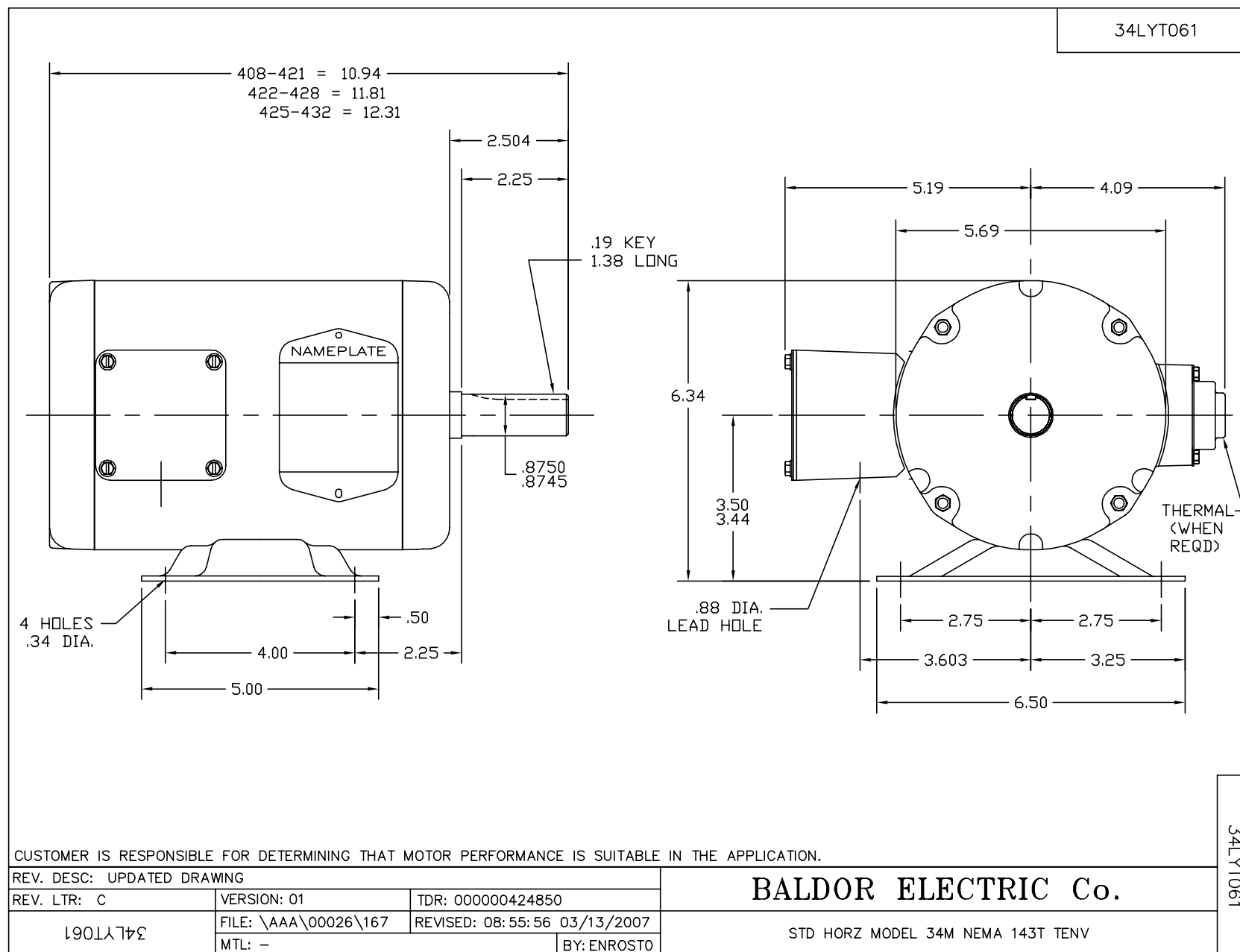
|                          |                                |                      |            |
|--------------------------|--------------------------------|----------------------|------------|
| Full Load Torque:        | 3.0 LB-FT                      | Start Configuration: | DOL        |
| No-Load Current:         | 1.3 Amps                       | Break-Down Torque:   | 14.6 LB-FT |
| Line-line Res. @ 25°C.:  | 12.3 Ohms A Ph / 0.0 Ohms B Ph | Pull-Up Torque:      | 12.5 LB-FT |
| Temp. Rise @ Rated Load: | 66 C                           | Locked-Rotor Torque: | 15.8 LB-FT |
| Temp. Rise @ S.F. Load:  |                                | Starting Current:    | 14.6 Amps  |

**Load Characteristics**

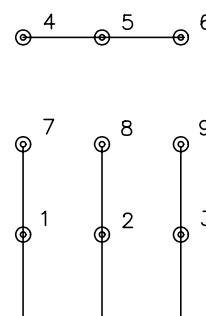
| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor:   | 31.0   | 46.0   | 57.0   | 66.0   | 72.0   | 76.0   | 0.0  |
| Efficiency:     | 57.8   | 70.5   | 76.0   | 77.3   | 78.6   | 76.5   | 0.0  |
| Speed:          | 1786.0 | 1773.0 | 1760.0 | 1747.0 | 1734.0 | 1716.0 | 0.0  |
| Line Amperes:   | 1.35   | 1.47   | 1.63   | 1.84   | 2.06   | 2.38   | 0.0  |

## Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values

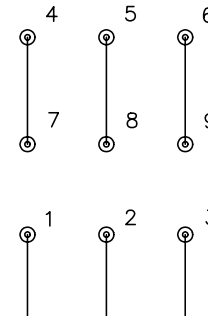




CD0005

LOW VOLTAGE  
(2Y)

LINE

HIGH VOLTAGE  
(1Y)

LINE

## 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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005