

BALDOR® • RELIANCE

Product Information Packet

L5004A

.5HP, 1725RPM, 1PH, 60HZ, 56, X3424L, XPFC, F1

| Part Detail | | | | | | | |
|-------------|----------------|-------------|-------|----------------|----------|---------------|------------|
| Revision: | S | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3424L | Elec. Spec: | 34WGW369 | CD Diagram: | |
| Enclosure: | XPFC | Mfg Plant: | | Mech. Spec: | 34-5322 | Layout: | |
| Frame: | 56 | Mounting: | F1 | Poles: | 04 | Created Date: | |
| Base: | RG | Rotation: | R | Insulation: | B | Eff. Date: | 03-16-2010 |
| Leads: | 6#18,1#16 #4TH | Literature: | | Elec. Diagram: | | Replaced By: | |

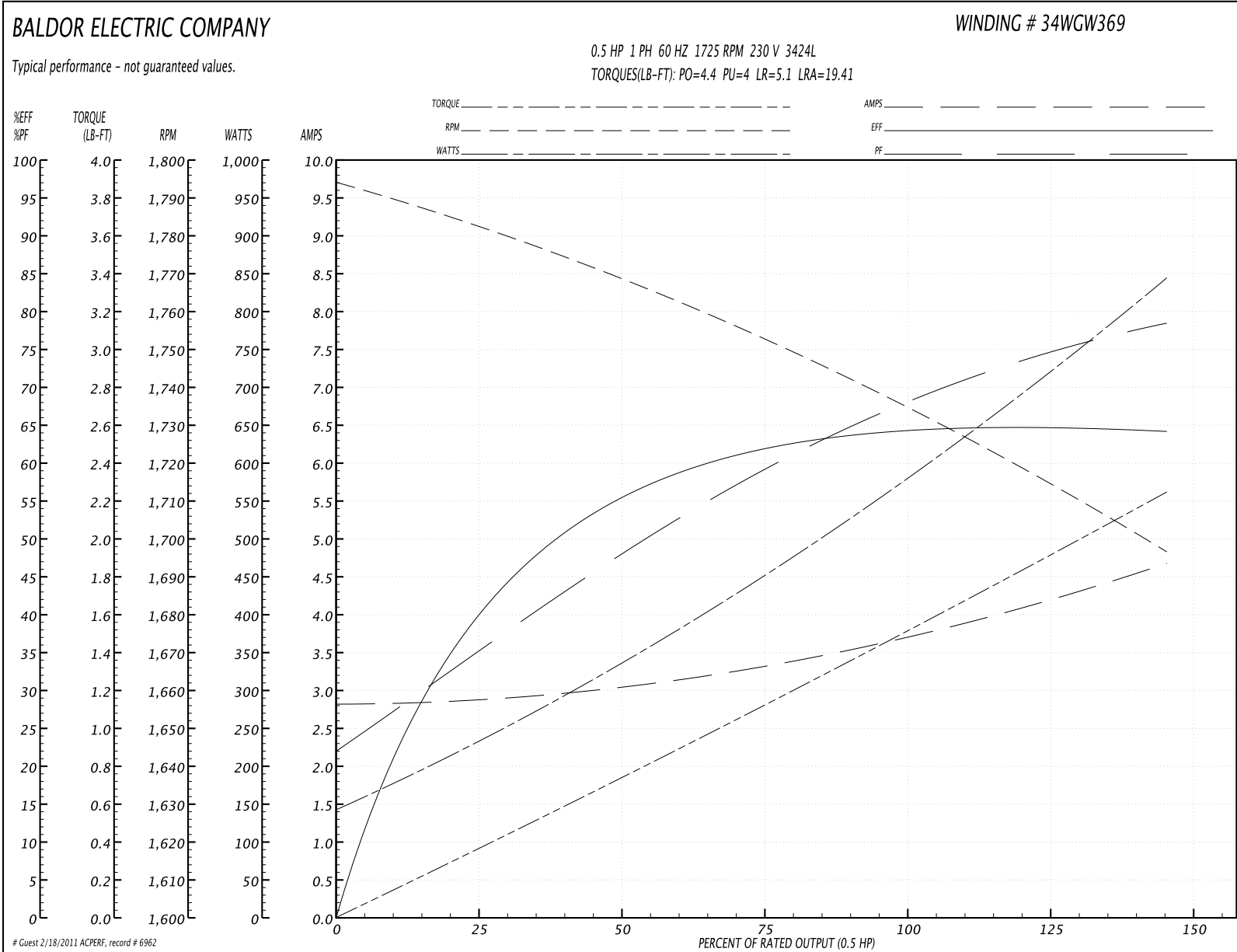
| Nameplate NP0016XP | | | | | | | |
|--------------------|--------------|--------------|-----|------|----|--|--|
| NO. | | CC | | | | | |
| SER. | | | | | | | |
| SPEC. | 34-5322W369 | | | | | | |
| CAT.NO. | L5004A | | | | | | |
| HP | .5 | T. CODE | T3C | | | | |
| VOLTS | 115/208-230 | | | | | | |
| AMPS | 7.4/3.9-3.7 | | | | | | |
| RPM | 1725 | | | | | | |
| HZ | 60 | PH | 1 | CL | B | | |
| SER.F. | 1.00 | DES | N | CODE | J | | |
| RATING | 40C AMB-CONT | | | | | | |
| FRAME | 56 | NEMA-NOM-EFF | 64 | PF | 66 | | |
| USABLE AT 208V | 3.9 | | | | | | |

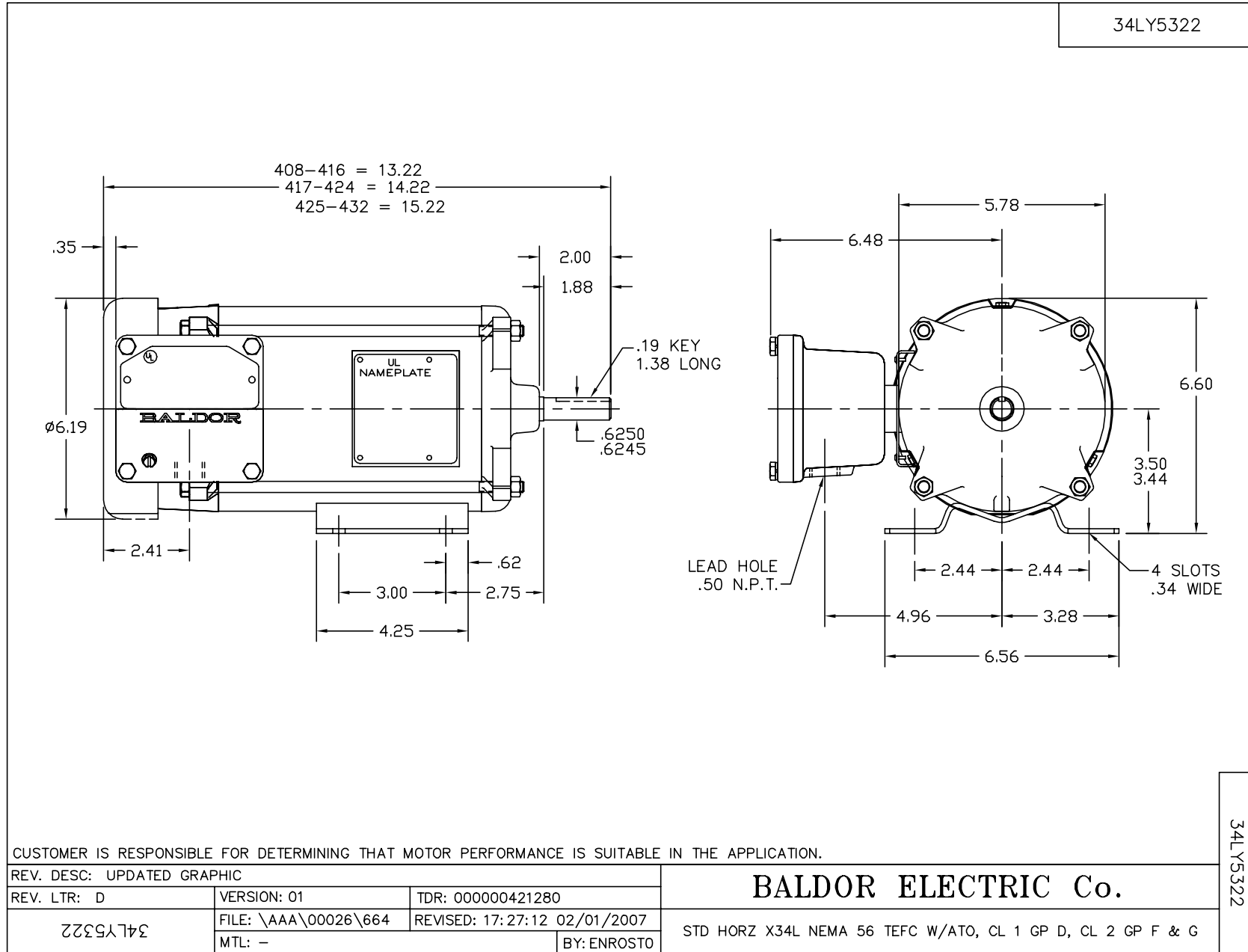
| Parts List | | |
|---------------|--|----------|
| Part Number | Description | Quantity |
| SA008944 | SA 34-5322W369 | 1.000 EA |
| RA005391 | RA 34-5322W369 | 1.000 EA |
| 35CB3001A01SP | EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE | 1.000 EA |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| HW3001B01 | BRASS CUP WASHER, FOR #8 SCREW | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| 34EP3703A01 | FR ENDPLATE, MACH XP | 1.000 EA |
| HW4002A02 | 1-11.5X2LG PIPE NIPPLE (F/S) | 1.000 EA |
| HA1025A13 | WSHR,FELT,.38" THICK F-26 CLASS | 1.000 EA |
| HW3021E06 | 1/8 DIA X 5/8 ROLLPIN (F/S) | 1.000 EA |
| HW5100A03SP | WAVY WASHER (W1543-017) | 1.000 EA |
| 34EP3704A01 | PU ENDPLATE, MACH XP | 1.000 EA |
| XY3118A12 | 5/16-18 HEX NUT DIRECTIONAL SERRATION | 4.000 EA |
| 34FN3002A01SP | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/ | 1.000 EA |
| 34FH4002A01SP | IEC FH NO GREASER | 1.000 EA |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 35CB3500A01SP | CONDUIT BOX LID, MACH | 1.000 EA |
| 10XN2520A16 | 1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED | 4.000 EA |
| HW1001A25 | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 4.000 EA |
| HW2501D13SP | KEY, 3/16 SQ X 1.375 | 1.000 EA |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 EA |
| HA6001A01 | THERMAL RETAINER (PLATED) | 1.000 EA |
| 12XF0632A06 | 6-32X3/8 TY F HEX HD SLT | 2.000 EA |
| NS2500A05 | INSULATOR, AUTO THER PROT | 1.000 EA |

| Parts List (continued) | | |
|------------------------|--|----------|
| Part Number | Description | Quantity |
| MG1025G29 | PAINT 789.205 DARK GRAY METALLIC (USE W/ | 0.014 GA |
| 85XU0407A04 | #4-7 X 1/4 DRIVE PIN | 6.000 EA |
| NP0018 | NP- XP CONDUIT BOX | 1.000 EA |
| TPMRJ38RX | THERMAL 1PH 0.75 AUT 120C | 1.000 EA |
| EC1130A08SP | ELEC CAP 115V 1.125X2.750 X | 2.000 EA |
| MJ5000A01 | SEALANT, CHICO A COMPOUND | 0.050 LB |
| HA6003A52 | CLAMP, CAPACITOR, WHITE ZINC PLATED | 2.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| WD1000A16 | 2-520128-2 AMP FLAG TERMINAL(4M/RL) | 6.000 EA |
| SP5036A01 | STAT. SWITCH ASSY. MODEL 34 TYPE L OR S | 1.000 EA |
| WD1000A16 | 2-520128-2 AMP FLAG TERMINAL(4M/RL) | 8.000 EA |
| WD1000A16 | 2-520128-2 AMP FLAG TERMINAL(4M/RL) | 5.000 EA |
| HA3104A08 | THRUBOLT-5/16-18X9.375 X X | 4.000 EA |
| LB1118 | LABEL,WARNING (ROLL LABEL) | 1.000 EA |
| LB1125C01 | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| LC0008 | 1PH,DV,7-LEAD,THERMAL,CONNECTION DIAGRAM | 1.000 EA |
| NP0016XP | UL/CSA, CLI GP-D,CLII GP-F&G,CC,ATO | 1.000 EA |
| 34PA1005 | PACKING GROUP, BALDOR | 1.000 EA |

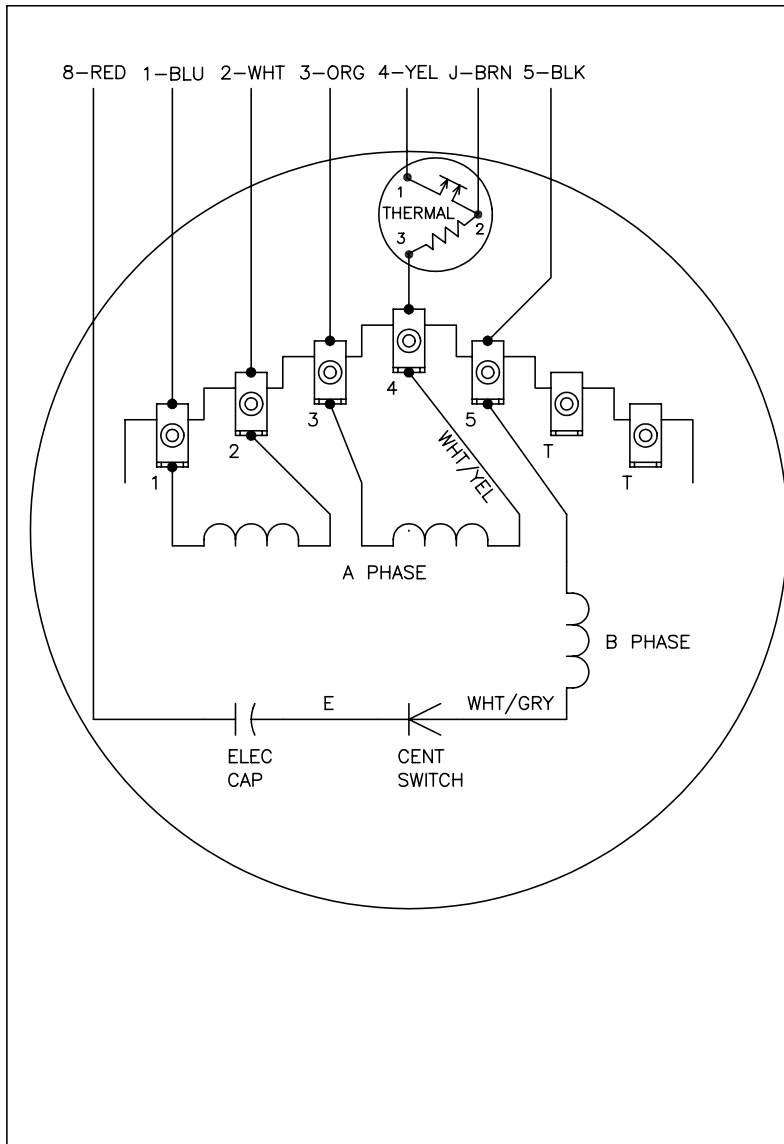
| Performance Data at 230V, 60Hz, 0.5HP (Typical performance - Not guaranteed values) | | | | | | | |
|---|---------------------------------|--------|--------|----------------------|------------|--------|------|
| General Characteristics | | | | | | | |
| Full Load Torque: | 1.5 LB-FT | | | Start Configuration: | DOL | | |
| No-Load Current: | 2.81 Amps | | | Break-Down Torque: | 4.4 LB-FT | | |
| Line-line Res. @ 25°C.: | 3.94 Ohms A Ph / 2.93 Ohms B Ph | | | Pull-Up Torque: | 4.0 LB-FT | | |
| Temp. Rise @ Rated Load: | 61 C | | | Locked-Rotor Torque: | 5.1 LB-FT | | |
| Temp. Rise @ S.F. Load: | | | | Starting Current: | 19.41 Amps | | |
| Load Characteristics | | | | | | | |
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 37.0 | 48.0 | 59.0 | 67.0 | 74.0 | 79.0 | 0.0 |
| Efficiency: | 38.8 | 55.2 | 62.0 | 64.9 | 65.1 | 63.8 | 0.0 |
| Speed: | 1781.0 | 1768.0 | 1753.0 | 1736.0 | 1717.0 | 1696.0 | 0.0 |
| Line Amperes: | 2.89 | 3.06 | 3.31 | 3.69 | 4.13 | 4.69 | 0.0 |

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





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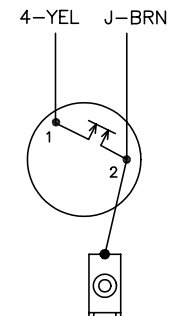


| | LINE A | LINE B | JOIN | JOIN |
|----------|--------|--------|-------|-------|
| HIGH STD | 1 | 4 | 2,3,8 | J,5 |
| HIGH OPP | 1 | 4 | 2,3,5 | J,8 |
| LOW STD | 1,3,8 | 4 | - | 2,J,5 |
| LOW OPP | 1,3,5 | 4 | - | 2,J,8 |

NOTES:

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

CONNECTIONS FOR TWO-TERMINAL THERMAL



| | | | |
|---|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: C | BY: JLP | REVISED: 04/08/99 3:25 | TDR: 0178636 |
| 9900CD | | FILE: AAA00014311 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LD, 34XP

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