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# Product Information Packet

# L5023T

## 1HP,1725RPM,1PH,60HZ,143T,3528L,XPFC,F1

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| Part Detail | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Revision:** | J | **Status:** | PRD/A | **Change #:** | | **Proprietary:** | No |
| **Type:** | AC | **Prod. Type:** | 3528L | **Elec. Spec:** | 35WGN637 | **CD Diagram:** | CD0001 |
| **Enclosure:** | XPFC | **Mfg Plant:** | | **Mech. Spec:** | 35J659 | **Layout:** | 35LYJ659 |
| **Frame:** | 143T | **Mounting:** | F1 | **Poles:** | 04 | **Created Date:** | 12-05-2012 |
| **Base:** | RG | **Rotation:** | R | **Insulation:** | B | **Eff. Date:** | 07-18-2016 |
| **Leads:** | 6#18 | | | | | **Replaced By:** | |
| **Literature:** | | **Elec. Diagram:** | | | | | |



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## Nameplate NP0015XPSL

| | | | | | | |
|---|---|---|---|---|---|---|
| NO. | | CC | | | | |
| SER. | | | | | | |
| SPEC. | 35J659N637G1 | | | | | |
| CAT.NO. | L5023T | | | | | |
| HP | 1 | T. CODE | T2C | | | |
| VOLTS | 115/208-230 | | | | | |
| AMPS | 11.8/6.3-5.9 | | | | | |
| RPM | 1725 | | | | | |
| HZ | 60 | PH | 1 | CL | B | |
| SER.F. | 1.00 | DES | L | CODE | K | |
| RATING | 40C AMB-CONT | | | | | |
| FRAME | 143T | NEMA-NOM-EFF | 72 | | | |
| USABLE AT 208V | | PF | 77 | | | |
| BLANK | | | | | | |



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## AC Induction Motor Performance Data

Record # 40779 - Typical performance - not guaranteed values

| **Winding:** 35WGN637-R001 | **Type:** 3528L | **Enclosure:** TEFC |
|---|---|---|

| Nameplate Data | | | | 230 V, 60 Hz: High Voltage Connection | |
|---|---|---|---|---|---|
| Rated Output (HP) | 1 | | | Full Load Torque | 3.02 LB-FT |
| Volts | 115/208-230 | | | Start Configuration | direct on line |
| Full Load Amps | 11.8/6.3-5.9 | | | Breakdown Torque | 9.58 LB-FT |
| R.P.M. | 1725 | | | Pull-up Torque | 8.43 LB-FT |
| Hz | 60 | Phase | 1 | Locked-rotor Torque | 9.55 LB-FT |
| NEMA Design Code | L | KVA Code | K | Starting Current | 37.1 A |
| Service Factor (S.F.) | 1 | | | No-load Current | 3.5 A |
| NEMA Nom. Eff. | 72 | Power Factor | 77 | Line-line Res. @ 25ºC | 2.4797 Ω A Ph<br>1.1184 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 63°C |

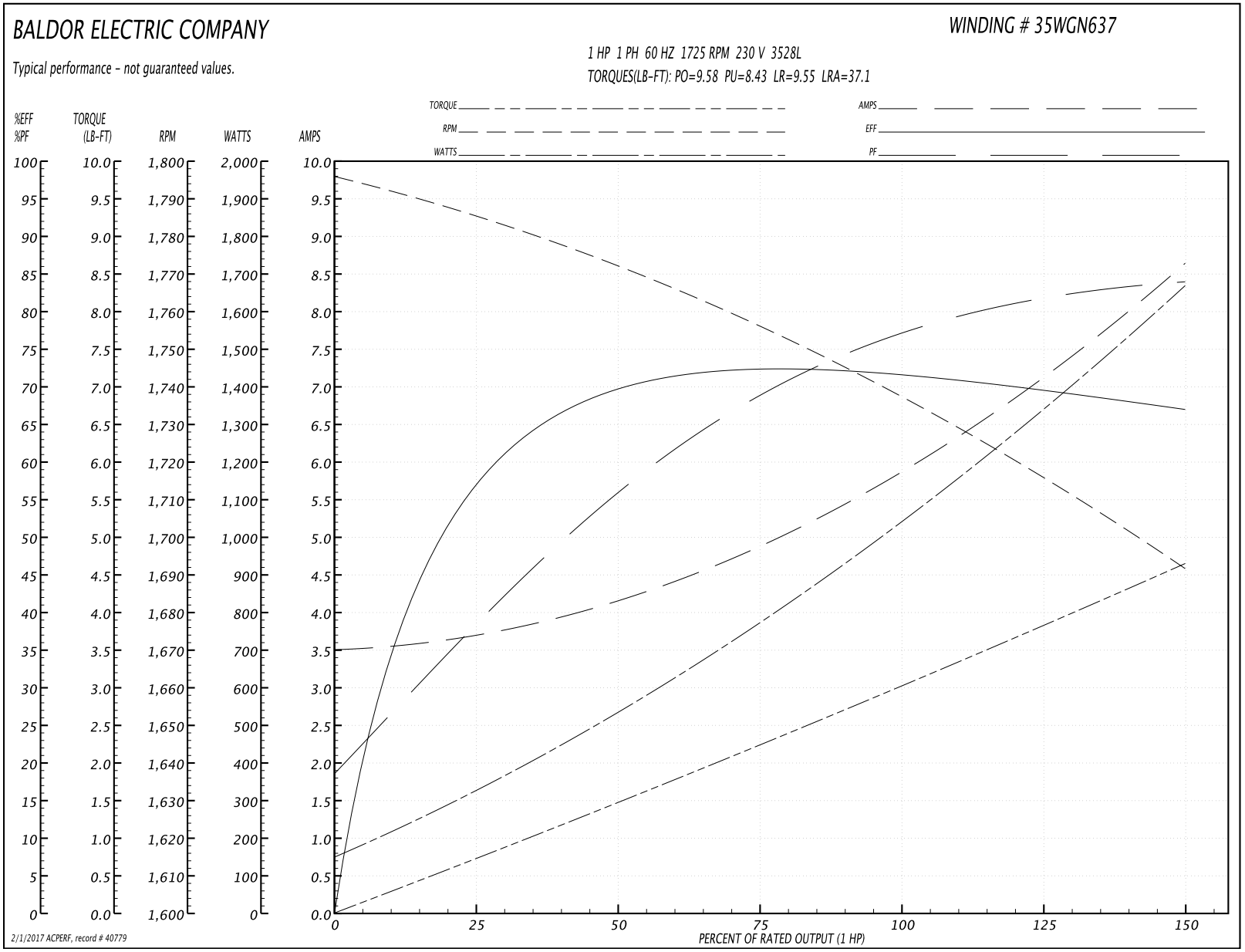
Load Characteristics 230 V, 60 Hz, 1 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|
| Power Factor | 39 | 56 | 69 | 77 | 81 | 85 |
| Efficiency | 56.3 | 68.2 | 71.6 | 72.2 | 70.7 | 66.4 |
| Speed | 1783.5 | 1770.9 | 1755.8 | 1739.2 | 1718.6 | 1689.5 |
| Line amperes | 3.68 | 4.16 | 4.92 | 5.86 | 7.03 | 8.69 |



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Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values






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## AC Induction Motor Performance Data

Record # 40780 - Typical performance - not guaranteed values

| **Winding:** 35WGN637-R001 | **Type:** 3528L | **Enclosure:** TEFC |
|---|---|---|

| Nameplate Data | | | | 208 V, 60 Hz: High Voltage Connection | |
|---|---|---|---|---|---|
| Rated Output (HP) | 1 | | | Full Load Torque | 3.03 LB-FT |
| Volts | 115/208-230 | | | Start Configuration | direct on line |
| Full Load Amps | 11.8/6.3-5.9 | | | Breakdown Torque | 7.87 LB-FT |
| R.P.M. | 1725 | | | Pull-up Torque | 6.56 LB-FT |
| Hz | 60 | Phase | 1 | Locked-rotor Torque | 8.06 LB-FT |
| NEMA Design Code | L | KVA Code | K | Starting Current | 32.3 A |
| Service Factor (S.F.) | 1 | | | No-load Current | 3.01 A |
| NEMA Nom. Eff. | 72 | Power Factor | 77 | Line-line Res. @ 25ºC | 2.4797 Ω A Ph<br>1.1184 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 73°C |

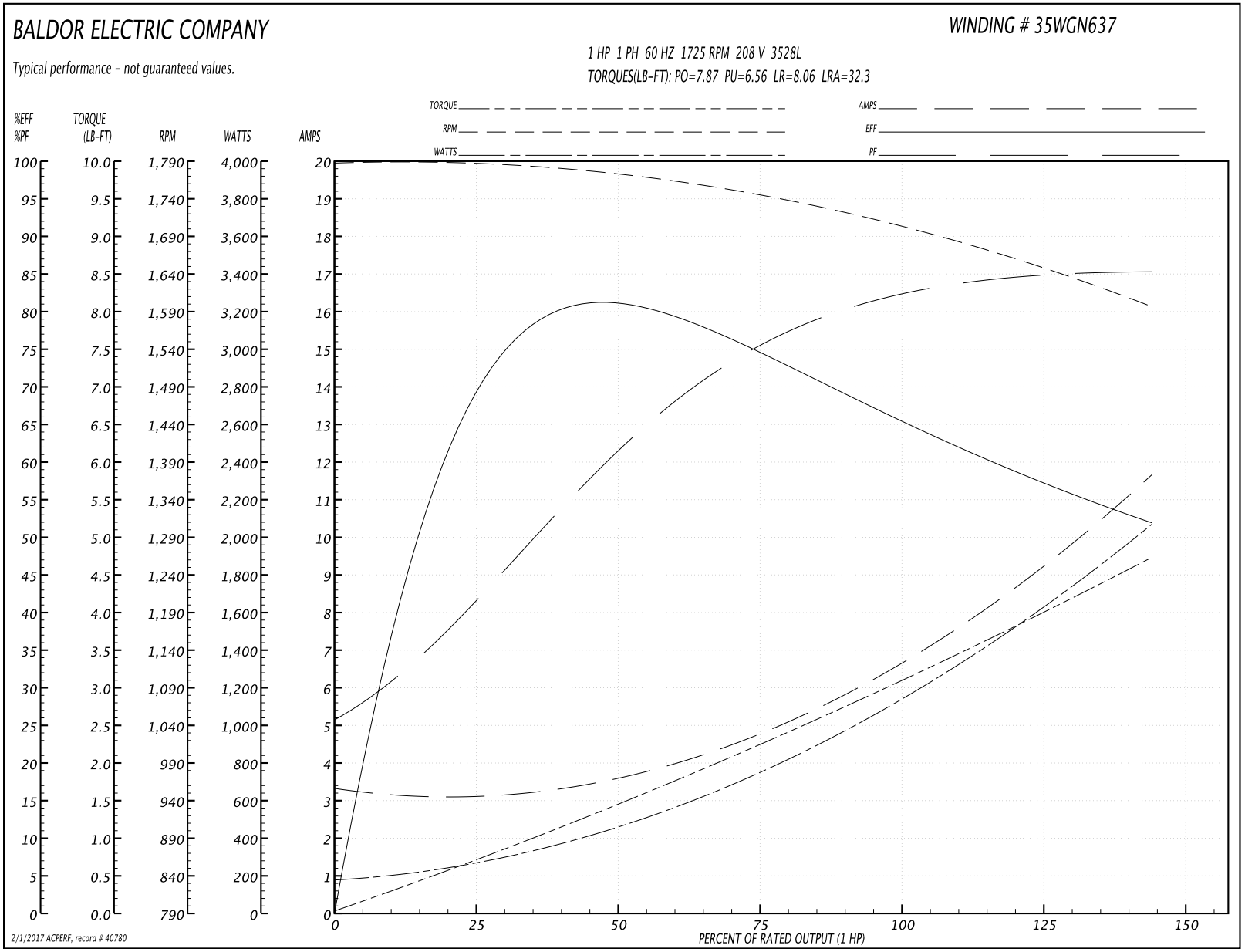
Load Characteristics 208 V, 60 Hz, 1 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|---|---|---|---|---|---|---|
| Power Factor | 45 | 64 | 75 | 82 | 85 | 86 |
| Efficiency | 58.2 | 69.5 | 71.6 | 69.4 | 63.9 | 48.7 |
| Speed | 1779.2 | 1762.5 | 1741.7 | 1714.9 | 1674.4 | 1576 |
| Line amperes | 3.3 | 3.94 | 4.94 | 6.28 | 8.24 | 12.4 |



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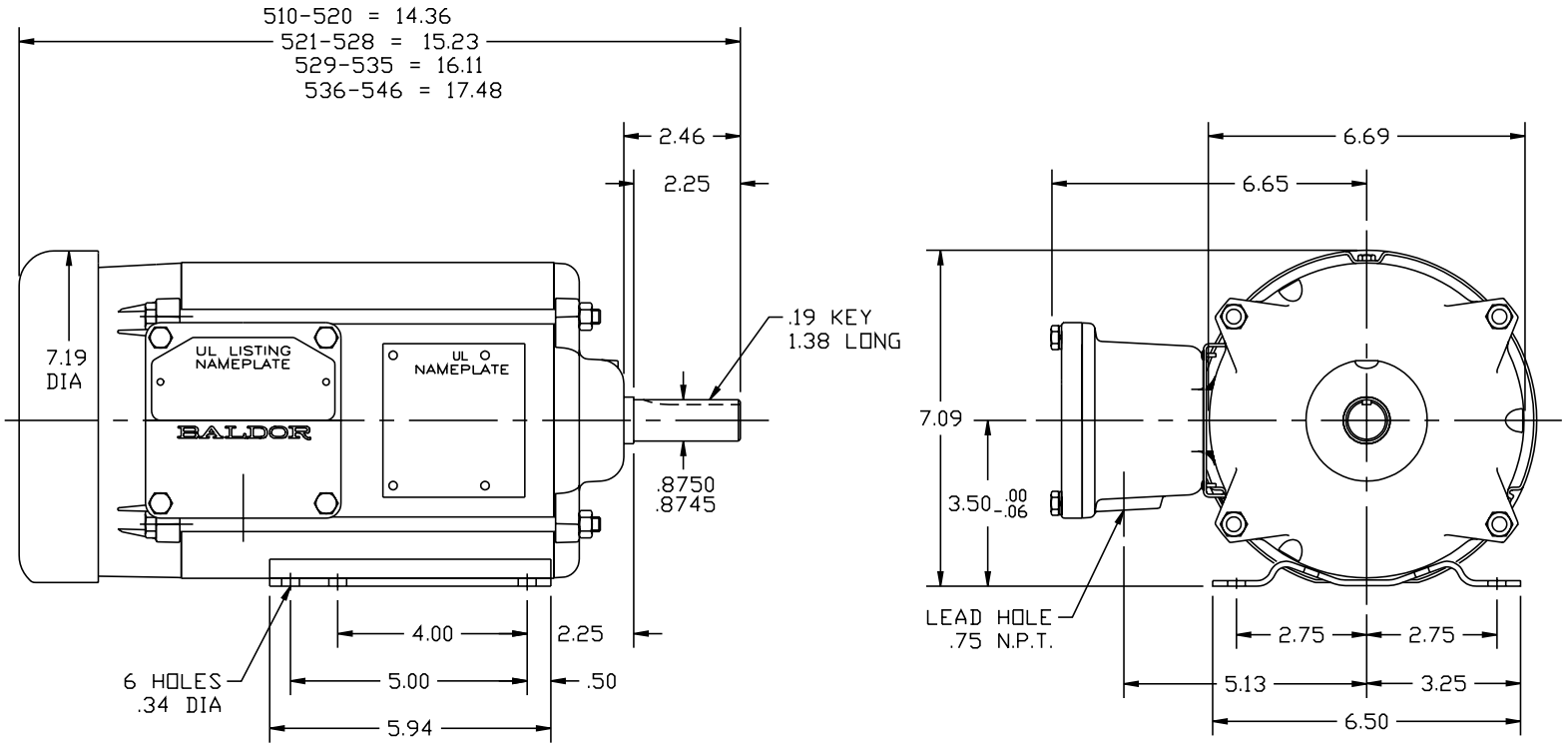
Performance Graph at 208V, 60Hz, 1.0HP Typical performance - Not guaranteed values






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35J659




| CUST. NAME | CUST. P.O. | CERTIFIED BY | MODEL | INSUL | AMB |
|---|---|---|---|---|---|
| H.P. | MTG | TYPE | R.P.M. | VOLTS | ENCL | PHASE | FREQ | FRAME |
| REMARKS: | | | | | | | | |
| REV: B | LOADED TO ACAD | | | | | | | |

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| | | | |
|---|---|---|---|
| 35J659 | SCALE: .3 | BY: JKH | REVISED: 10/05/94 |
| | FILE: AAA00014073 | | TDR: 0051035 |

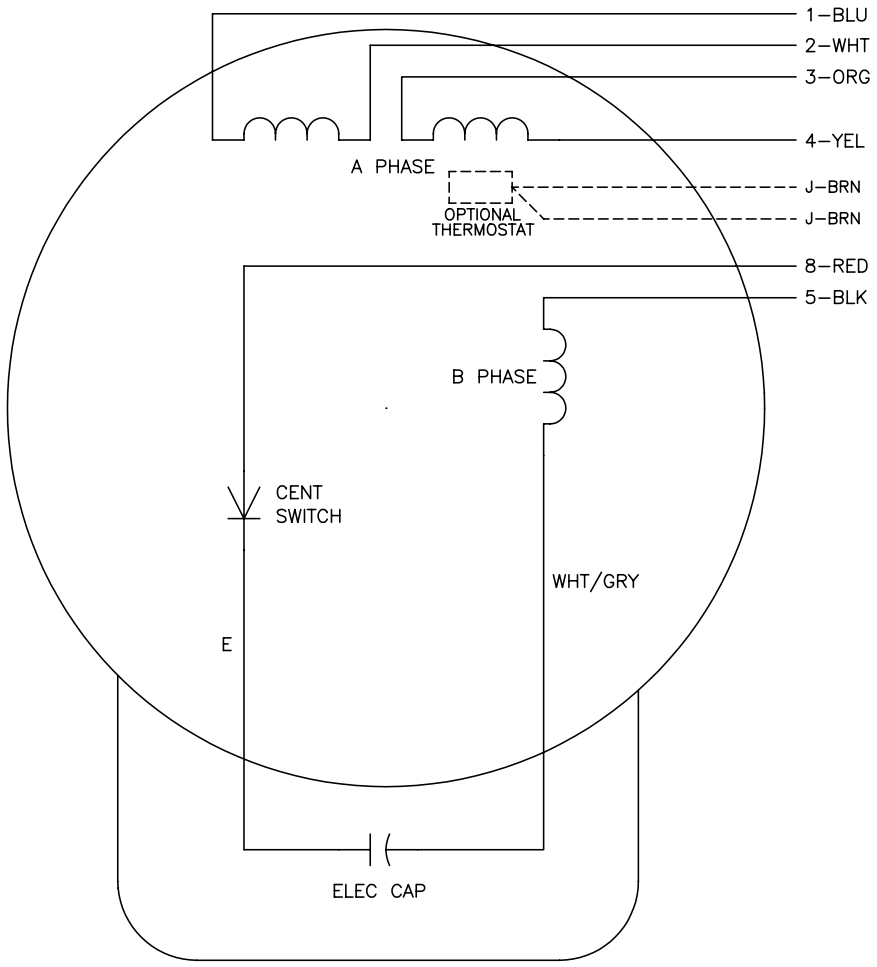
STD HORZ X35L NEMA 143-5T TEFC UL CLASS I-GP D T'STATS

35J659



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CD0001




| | 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 | | | |
| REV. LTR: D | BY: JLP | REVISED: 04/08/99 1:16 | TDR: 0178636 |
| CD0001 | | FILE: AAA00007405 | MDL: – |
| | | MTL: – | |

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TYPE L, DV, REV, 6 LEADS

CD0001



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