



BALDOR® • *RELIANCE*

Product Information Packet

FM3615T

5HP,1750RPM,3PH,60HZ,184T,3633M,TEFC,F2

| Product Detail | | | | | | | | | |
|-------------------|---------------|----------------|-------|----------------|----------|---------------|------------|-------|---|
| Revision: | B | Status: | PRD/A | Change #: | | Proprietary: | No | | |
| Type: | AC | Prod Type: | 3633M | Elec. Spec: | 36WGT846 | CD Diagram: | CD0005 | | |
| Enclosure | TEFC | Mfg Plant: | | Mech Spec: | 36G892 | Layout: | 36LYG892 | | |
| Frame: | 184T | Mounting: | F2 | Poles: | 04 | Created Date: | | | |
| Base: | RG | Rotation: | R | Insulation: | F | Eff. Date: | 07-03-2008 | | |
| Leads: | 9#16 | Literature: | | Elec. Diagram: | | Replaced By: | | | |
| Nameplate NP1256L | | | | | | | | | |
| CAT.NO. | FM3615T | | | | | | | | |
| SPEC. | 36G892T846H1 | | | | | | | | |
| HP | 5 | | | | | | | | |
| VOLTS | 208-230/460 | | | | | | | | |
| AMP | 15.4-14.2/7.1 | | | | | | | | |
| RPM | 1750 | | | | | | | | |
| FRAME | 184T | HZ | | | 60 | PH | 3 | | |
| SER.F. | 1.15 | CODE | | | K | DES | B | CLASS | F |
| NEMA-NOM-EFF | 87.5 | PF | | | 75 | | | | |
| RATING | 40C AMB-CONT | | | | | | | | |
| CC | 010A | USABLE AT 208V | | | N/A | | | | |
| DE | 6206 | ODE | | | 6205 | | | | |
| ENCL | TEFC | SN | | | | | | | |

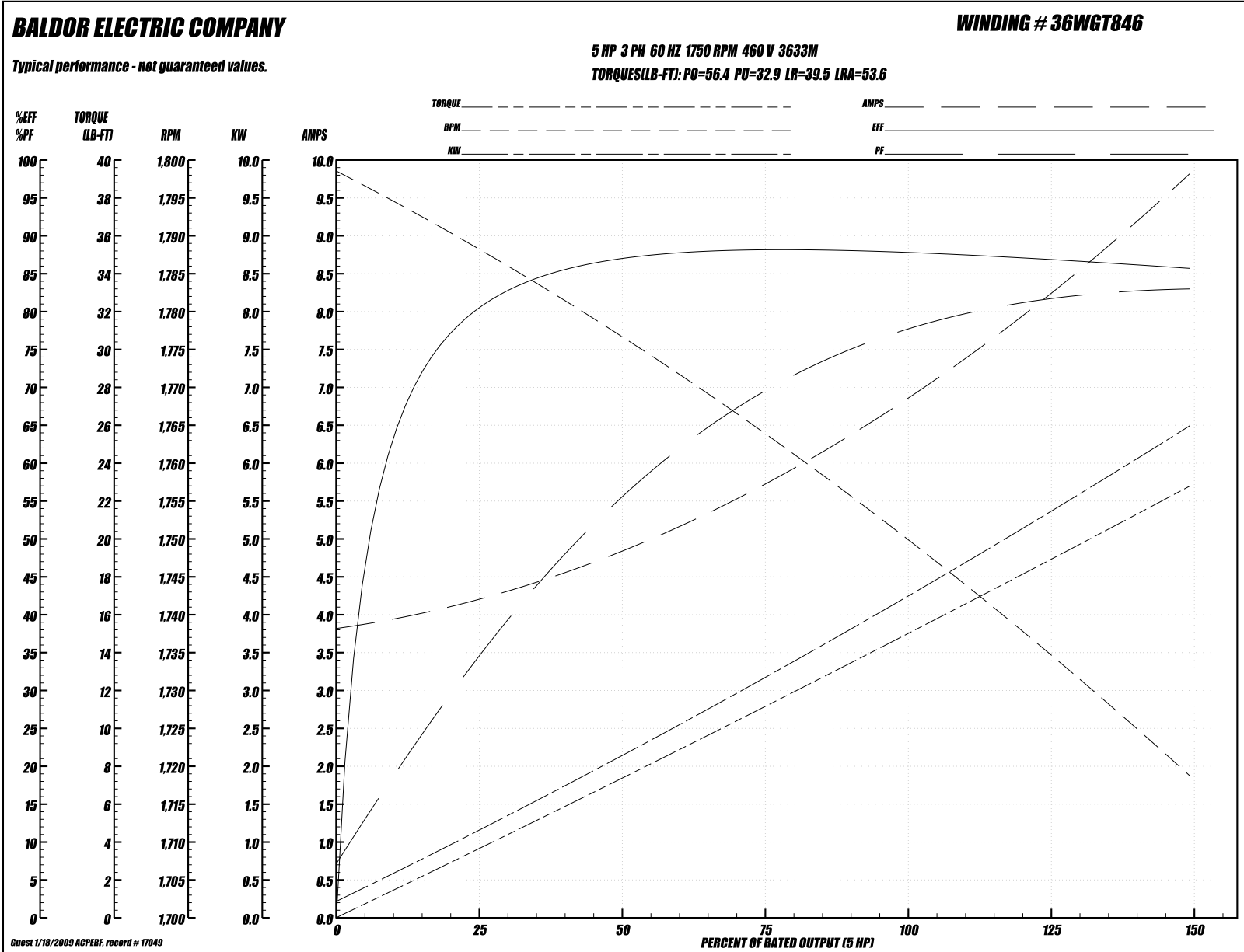
| Parts List | | | |
|-------------------|------------------------------------------|-----------------|-------------------|
| Product ID | Description | Quantity | List Price |
| SA122840 | SA 36G892T846H1 | 1.000 | 353.00 |
| RA113399 | RA 36G892T846H1 | 1.000 | 295.00 |
| 36CB3000SP | CONDUIT BOX, CAST | 1.000 | 20.00 |
| 36GS1000SP | GASKET-CONDUIT BOX, .06 THICK #SV-330 LE | 1.000 | 6.00 |
| 51XB1016A07 | 10-16 X 7/16 HXWSSLD SERTYB | 2.000 | 3.00 |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 | 4.00 |
| HW3001A01 | D3019 BRASS WASHER(STIMP) | 1.000 | 3.00 |
| 36EP3104A01 | FREP MACH W/GRSR, RAISED FH PADS | 1.000 | 61.00 |
| HW4500A01 | 1641B(ALEMITE)400 UNIV, GREASE FITT | 1.000 | 3.00 |
| HW5100A05 | WVY WSHR F/205 & 304 BRGS | 1.000 | 3.00 |
| 36EP3100A01SP | PU ENDPLATE, MACH | 1.000 | 96.00 |
| HW4500A01 | 1641B(ALEMITE)400 UNIV, GREASE FITT | 1.000 | 3.00 |
| XY2520A12 | 1/4-20 HEX NUT, DIRECTIONAL SERRATIONS | 4.000 | 1.00 |
| 51XB1214A16 | 12-14X1.00 HXWSSLD SERTYB | 1.000 | 3.00 |
| 36FH4009A102SP | IEC FH GREASER W/AUTOPHERETIC PRIMER | 1.000 | 17.00 |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 | 4.00 |
| 36GS1001SP | GASKET, CONDUIT BOX LID, .06 THICK #SV-3 | 1.000 | 3.00 |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 | 3.00 |
| HW2501E16 | KEY, 1/4 SQ X 1.750 | 1.000 | 3.00 |
| HA7000A02 | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA | 1.000 | 3.00 |
| MJ1000A02 | GREASE, POLYREX EM EXXON | 0.050 | 12.00 |
| MG1000G27 | PAINT- S9282E CHARCOAL GREY | 0.022 | 4,000.00 |
| 10XF0440S02 | 04-40 X 1/8 TYPE F HEX HD STAINLESS STIC | 2.000 | 4.00 |
| S/P101-000-000 | EPACT PROCEDURES-FS PLANT-POLYREX EM, NO | 1.000 | |

| Parts List (continued) | | | |
|-------------------------------|------------------------------------------|-----------------|-------------------|
| Product ID | Description | Quantity | List Price |
| 35CB4514 | 35 LIPPED CB LID | 1.000 | 3.00 |
| HA3101A25 | THRUBOLT 1/4-20 X 11.000 OHIO ROD | 4.000 | 3.00 |
| 36FN3000C01SP | FAN EXTERNAL,PLASTIC, 5.25 OD, .912/.907 | 1.000 | 15.00 |
| LB1125C04 | STD-E (STOCK CTN LABEL STD-E WITH FLAG) | 1.000 | 3.00 |
| LC0005E01 | CONN.DIA./WARNING LABEL (LC0005/LB1119) | 1.000 | 3.00 |
| NP1256L | NP STD LASER ENGRAVED, UL CSA CC, W/O TH | 1.000 | 4.00 |
| 36PA1000 | PACK GROUP W/LB5001 | 1.000 | 21.00 |

Performance Data at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)

| General Characteristics | | | | | | | |
|---------------------------------|--------------------------------|-----------|-----------|-----------------------------|------------|------------|-------------|
| Full Load Torque: | 14.9 LB-FT | | | Start Configuration: | DOL | | |
| No-Load Current: | 3.89 Amps | | | Break-Down Torque: | 56.4 LB-FT | | |
| Line-line Res. @ 25°C.: | 2.47 Ohms A Ph / 0.0 Ohms B Ph | | | Pull-Up Torque: | 32.9 LB-FT | | |
| Temp. Rise @ Rated Load: | 82°C | | | Locked-Rotor Torque: | 39.5 LB-FT | | |
| Temp. Rise @ S.F. Load: | 99°C | | | Starting Current: | 53.6 Amps | | |
| Load Characteristics | | | | | | | |
| % of Rated Load: | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 35.0 | 57.0 | 69.0 | 77.0 | 81.0 | 84.0 | 79.0 |
| Efficiency: | 80.1 | 87.0 | 88.3 | 88.1 | 87.2 | 85.8 | 87.6 |
| Speed: | 1788.0 | 1776.0 | 1764.0 | 1750.0 | 1736.0 | 1718.0 | 1742.0 |
| Line Amperes: | 4.11 | 4.79 | 5.76 | 6.89 | 8.27 | 9.77 | 7.72 |

Performance Graph at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)



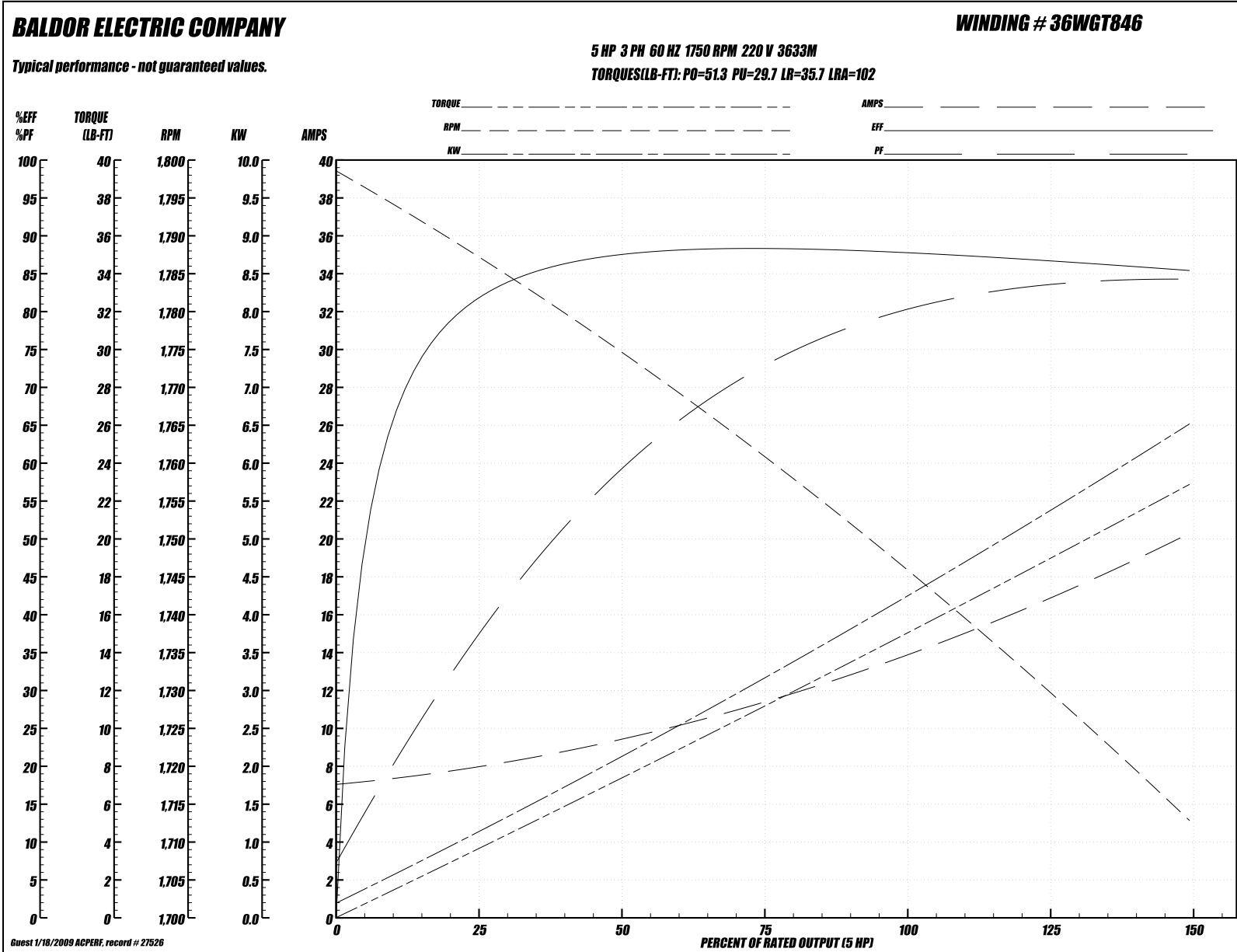
Performance Data at 220V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)
General Characteristics

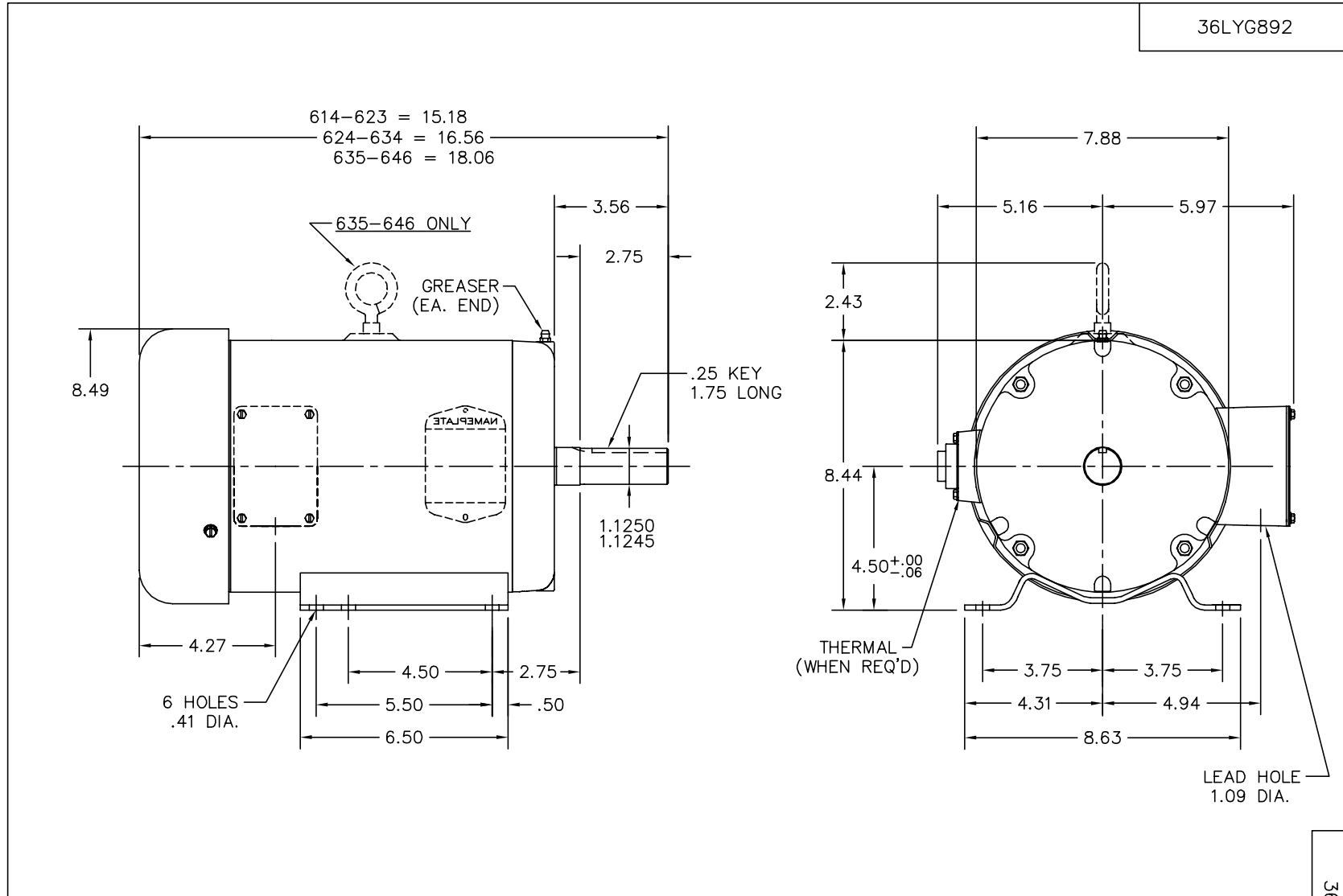
| | | | |
|---------------------------------|---------------------------------|-----------------------------|------------|
| Full Load Torque: | 14.9 LB-FT | Start Configuration: | DOL |
| No-Load Current: | 7.23 Amps | Break-Down Torque: | 51.3 LB-FT |
| Line-line Res. @ 25°C.: | 0.625 Ohms A Ph / 0.0 Ohms B Ph | Pull-Up Torque: | 29.7 LB-FT |
| Temp. Rise @ Rated Load: | 82°C | Locked-Rotor Torque: | 35.7 LB-FT |
| Temp. Rise @ S.F. Load: | 99°C | Starting Current: | 102.0 Amps |

Load Characteristics

| % of Rated Load: | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-------------------------|-----------|-----------|-----------|------------|------------|------------|-------------|
| Power Factor: | 38.0 | 61.0 | 73.0 | 80.0 | 83.0 | 85.0 | 82.0 |
| Efficiency: | 81.5 | 87.4 | 88.2 | 87.6 | 87.2 | 85.2 | 87.4 |
| Speed: | 1787.0 | 1774.0 | 1761.0 | 1746.0 | 1731.0 | 1712.0 | 1737.0 |
| Line Amperes: | 7.75 | 9.29 | 11.4 | 14.1 | 16.9 | 20.2 | 15.7 |

Performance Graph at 220V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

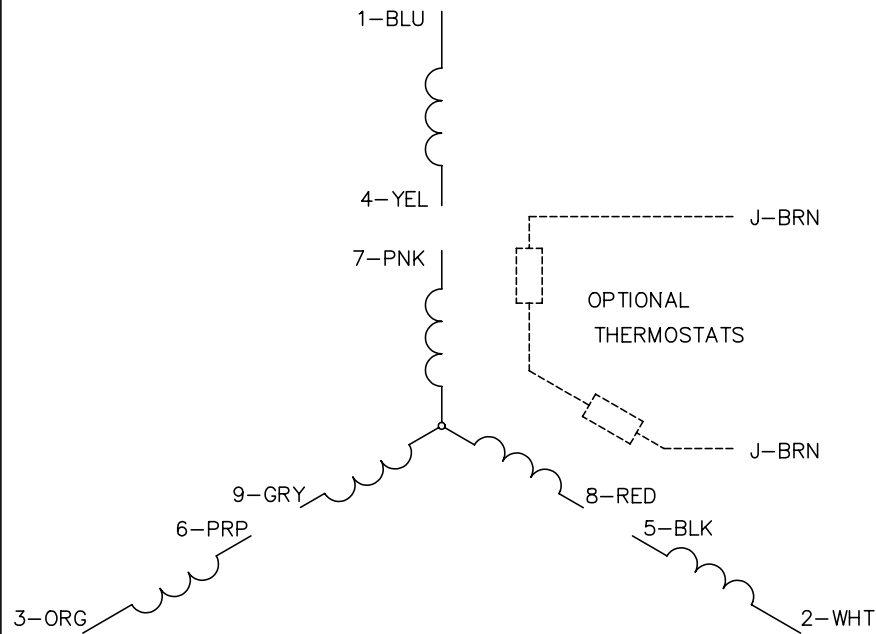
| | | | |
|--------------------------------------------------------------|----------------------|------------------------------|--|
| REV. DESC: 36EP3104A01 WAS 36EP3101A01, 36FH4009A102 WAS A03 | | | |
| REV. LTR: B | VERSION: 01 | TDR: 000000381957 | |
| 36LYG892 | FILE: \AAA\00004\607 | REVISED: 17:03:47 11/22/2005 | |
| | MTL: - | BY: ENCHRCO | |

BALDOR ELECTRIC Co.

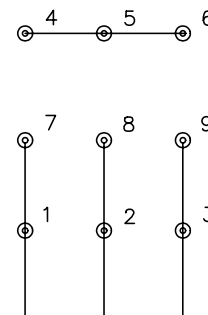
SPECIAL 182-184T TEFC HORZ 36M F/2

36LYG892

CD0005

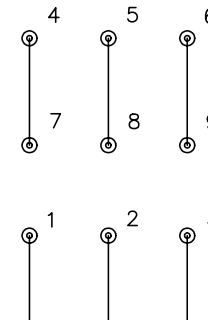


LOW VOLTAGE
(2Y)



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 |
| 90000 | | FILE: AAA00005140 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005