

BALDOR® • RELIANCE

Product Information Packet

VEFWDM3546T

1HP,1760RPM,3PH,60HZ,143TC,3519M,TEFC,F1

| Part Detail | | | | | | | | | |
|-------------------|---------------|----------------|-------|----------------|----------|---------------|------------|--|--|
| Revision: | D | Status: | PRD/A | Change #: | | Proprietary: | No | | |
| Type: | AC | Prod. Type: | 3519M | Elec. Spec: | 35WGM492 | CD Diagram: | | | |
| Enclosure: | TEFC | Mfg Plant: | | Mech. Spec: | 35SS605 | Layout: | | | |
| Frame: | 143TC | Mounting: | F1 | Poles: | 04 | Created Date: | 11-22-2011 | | |
| Base: | N | Rotation: | R | Insulation: | F | Eff. Date: | 05-08-2013 | | |
| Leads: | 9#18 | Literature: | | Elec. Diagram: | | Replaced By: | | | |
| Nameplate NP1669L | | | | | | | | | |
| CAT.NO. | VEFWDM3546T | | | | | | | | |
| SPEC. | 35SS605M492G1 | | | | | | | | |
| HP | 1 | | | | | | | | |
| VOLTS | 208-230/460 | | | | | | | | |
| AMP | 3.1-3/1.5 | | | | | | | | |
| RPM | 1760 | | | | | | | | |
| FRAME | 143TC | HZ | 60 | PH | 3 | | | | |
| SER.F. | 1.15 | CODE | L | DES | B | CLASS | F | | |
| NEMA-NOM-EFF | 85.5 | PF | 71 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | |
| CC | 010A | USABLE AT 208V | 3.1 | | | | | | |
| DE | 6205 | ODE | 6203 | | | | | | |
| ENCL | TEFC | SN | | | | | | | |
| BLANK | | | | | | | | | |

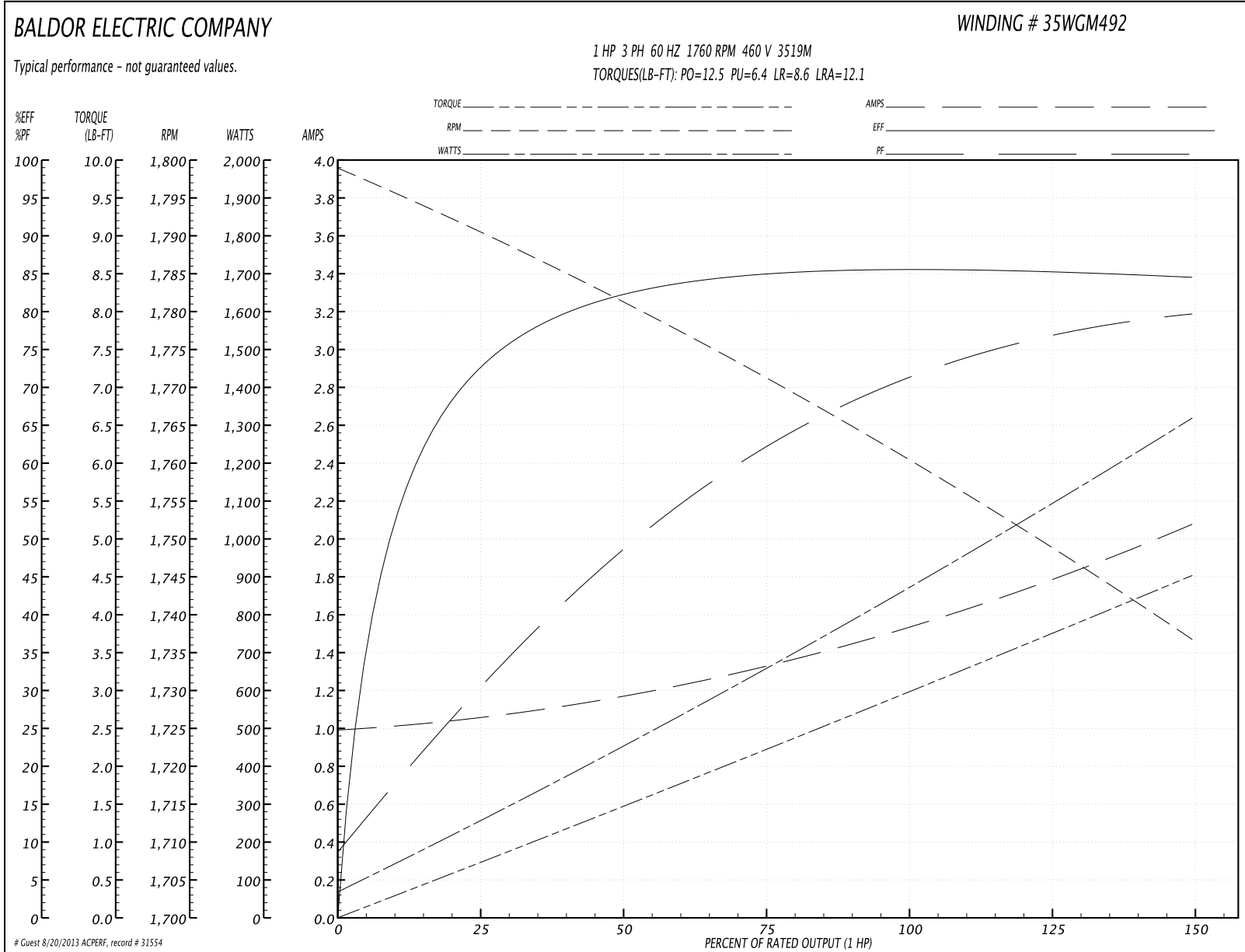
| Parts List | | |
|----------------|--|----------|
| Part Number | Description | Quantity |
| SA235011 | SA 35SS605M492G1 | 1.000 EA |
| RA221975 | RA 35SS605M492G1 | 1.000 EA |
| 34FN3002B01 | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/ | 1.000 EA |
| S/P107-000-001 | SUPER E PROC'S-FS & WS PLTS-POLYREX EM G | 1.000 EA |
| NS2512A01 | INSULATOR, CONDUIT BOX X | 1.000 EA |
| 35CB3010A01W | 35 CB .75 NPT @ 6:00, WHITE EPOXY | 1.000 EA |
| 35GS1039 | 05 MOLDED GASKET W/LIP, 1.12 LEAD HOLE, | 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 |
| 35EP3100M04MW | FREP TEFC,"O" DRILLS,NO GRSR, MACH.WHITE | 1.000 EA |
| HW4032A01 | BLACK DRAIN PLUG FOR WASH DOWN MOTORS | 3.000 EA |
| HW5100A03SP | WAVY WASHER (W1543-017) | 1.000 EA |
| 35EP3300A48MW | SPL FACE MTD EP - 205 BRG - W/SEAL FOR W | 1.000 EA |
| HW4032A01 | BLACK DRAIN PLUG FOR WASH DOWN MOTORS | 3.000 EA |
| HW4600B49SP | SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB | 1.000 EA |
| 12XN1032S20 | 10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL | 2.000 EA |
| 51XB1214A16 | 12-14X1.00 HXWSSLD SERTYB | 1.000 EA |
| 35FH4005A32SP | IEC FH NO GRSR W/3 HOLES - W/AUTOPHERETI | 1.000 EA |
| 11XW1032S06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 3.000 EA |
| 35CB4522 | 35 LIPPED CB LID AUTOPHORETIC | 1.000 EA |
| 35GS1030A02 | 35 GS FOR CB LID - WHITE NEOPRENE | 1.000 EA |
| 59XW0832S07 | TAPTITE II,HEX WSHR UNSLTD SER,410 S.S., | 4.000 EA |
| HW4600B39SP | SEAL 0.550 X .790 X .180 FACE SEALING | 1.000 EA |
| HW4600B46SP | SEAL 0.875 X 1.420 X 0.240 FACE SEALING | 1.000 EA |

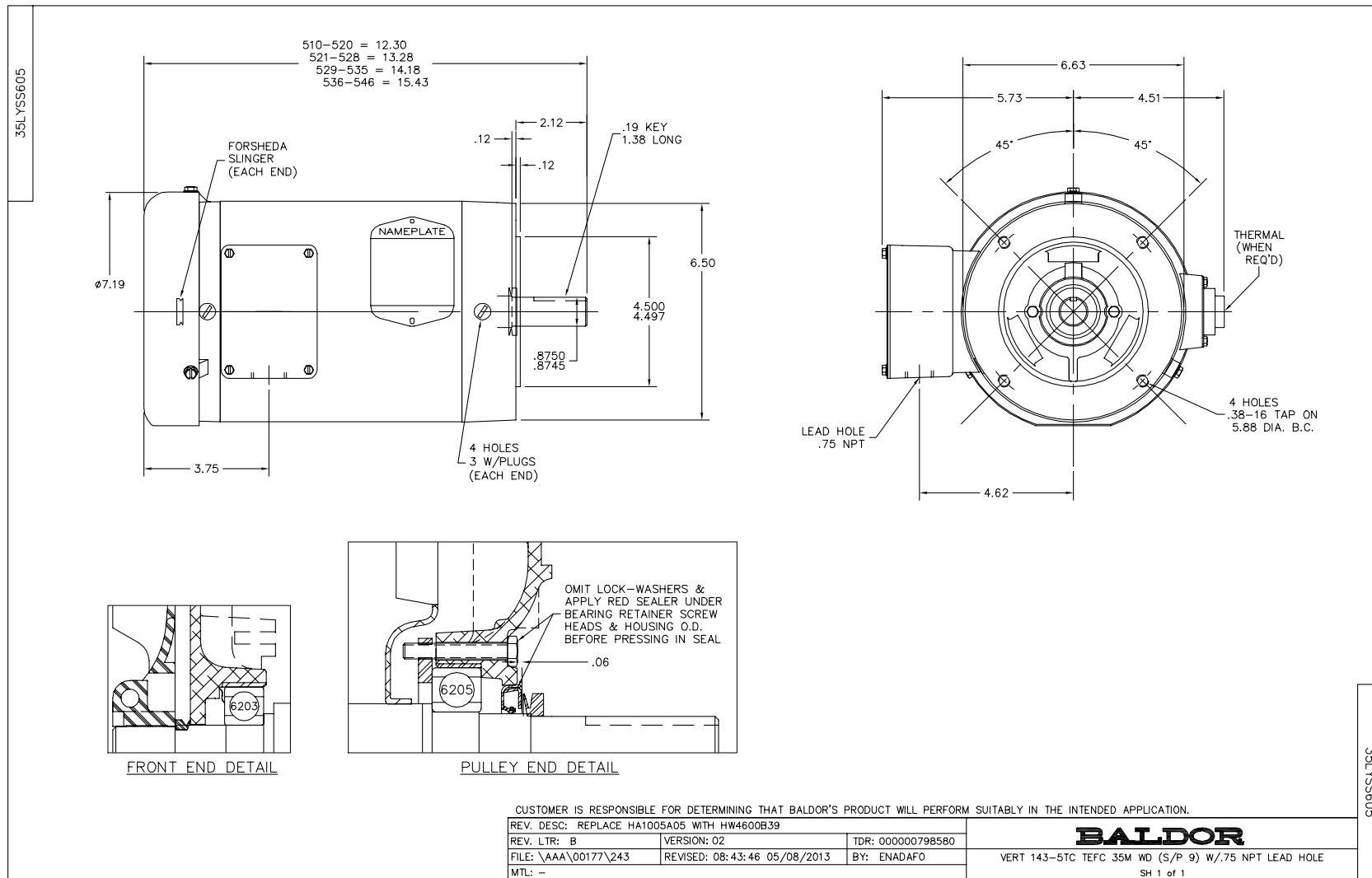
| Parts List (continued) | | |
|------------------------|--|----------|
| Part Number | Description | Quantity |
| HW2502D13 | SS KEY, 3/16 SQ X 1.375 | 1.000 EA |
| HA7000A01 | KEY RETAINER 7/8" DIA SHAFT | 1.000 EA |
| MJ5001A01 | 46-665 RED SEALER | 0.001 QT |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |
| LB1164 | LABEL,WARNING AND DRAIN | 1.000 EA |
| HA5027A01 | HA4066A01 T-DRAIN X2 BAGGED | 1.000 EA |
| MJ1000A75 | GREASE, POLYREX EM EXXON | 0.050 LB |
| MG1025Z20 | ACTIVATOR WILKOFAS 060.32 | 0.010 GA |
| MG1025W11 | PAINT- 781-101 WILKOFAS WHITE EPOXY | 0.017 GA |
| HA3100S08 | THRUBOLT 7.375LG SS | 4.000 EA |
| LB1125C02 | SUPER-E (STOCK CTN LABEL SUPER-E WITH FL | 1.000 EA |
| LC0005 | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING | 1.000 EA |
| NP1669L | SS WD SUPER-E UL CSA-EEV PREM REV MTG | 1.000 EA |
| 35PA1066 | PACKING GROUP COMBINED PRINT | 1.000 EA |
| PK3082 | STYROFOAM CRADLE | 1.000 EA |
| LB1506 | LABEL "AMERICAN MADE" 1.50 X 1.00 | 1.000 EA |

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

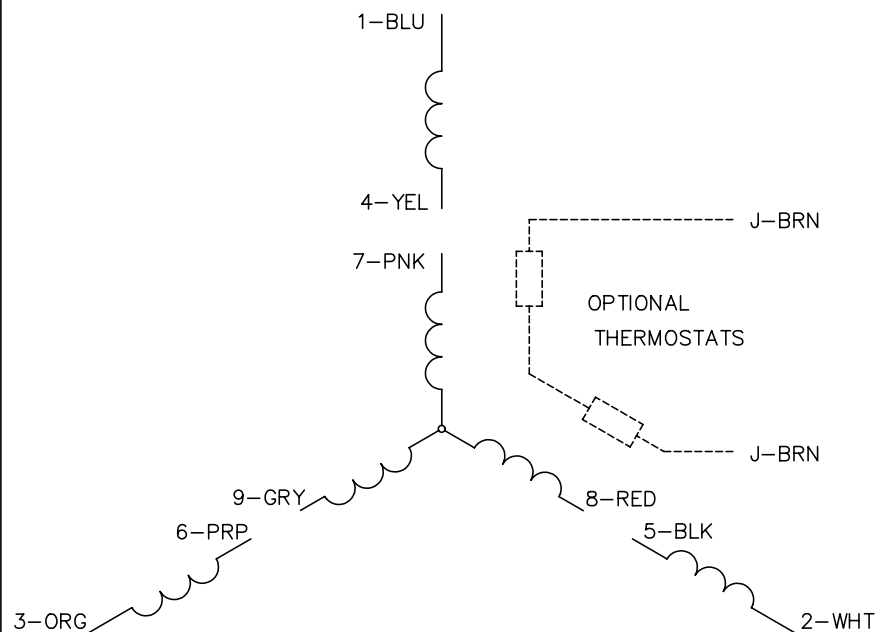
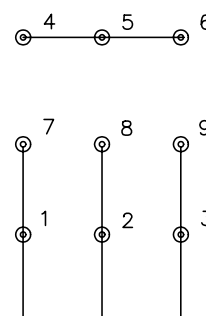
| General Characteristics | | | | | | | |
|--------------------------|---------------------------------|--------|--------|----------------------|--------|------------|--------|
| Full Load Torque: | 2.97 LB-FT | | | Start Configuration: | | DOL | |
| No-Load Current: | 1.0 Amps | | | Break-Down Torque: | | 12.5 LB-FT | |
| Line-line Res. @ 25°C.: | 16.05 Ohms A Ph / 0.0 Ohms B Ph | | | Pull-Up Torque: | | 6.4 LB-FT | |
| Temp. Rise @ Rated Load: | 36 C | | | Locked-Rotor Torque: | | 8.6 LB-FT | |
| Temp. Rise @ S.F. Load: | 43 C | | | Starting Current: | | 12.1 Amps | |
| Load Characteristics | | | | | | | |
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 31.0 | 49.0 | 62.0 | 71.0 | 77.0 | 80.0 | 75.0 |
| Efficiency: | 72.2 | 82.1 | 84.8 | 85.6 | 85.3 | 84.4 | 85.4 |
| Speed: | 1790.9 | 1781.2 | 1771.5 | 1760.7 | 1749.1 | 1736.6 | 1754.0 |
| Line Amperes: | 1.05 | 1.15 | 1.33 | 1.54 | 1.79 | 2.07 | 1.69 |

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

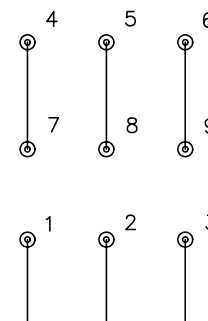




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

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