

BALDOR® • *RELIANCE*

Product Information Packet

CEWDM3545

1HP,3450RPM,3PH,60HZ,56C,3516M,TEFC,F1,N

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| Part Detail | | | | | | | | | |
|-------------------|----------------|-------------|-------|----------------|----------|---------------|------------|--|--|
| Revision: | G | Status: | PRD/A | Change #: | | Proprietary: | No | | |
| Type: | AC | Prod. Type: | 3516M | Elec. Spec: | 35WGY474 | CD Diagram: | | | |
| Enclosure: | TEFC | Mfg Plant: | | Mech. Spec: | 35T986 | Layout: | | | |
| Frame: | 56C | Mounting: | F1 | Poles: | 02 | Created Date: | 04-27-2010 | | |
| Base: | RG | Rotation: | R | Insulation: | F | Eff. Date: | 10-04-2012 | | |
| Leads: | 9#18 | Literature: | | Elec. Diagram: | | Replaced By: | | | |
| Nameplate NP1496L | | | | | | | | | |
| CAT.NO. | CEWDM3545 | | | | | | | | |
| SPEC. | 35T986Y474G1 | | | | | | | | |
| HP | 1 | | | | | | | | |
| VOLTS | 230/460 | | | | | | | | |
| AMP | 2.8/1.4 | | | | | | | | |
| RPM | 3450 | | | | | | | | |
| FRAME | 56C | HZ | 60 | PH | 3 | | | | |
| SER.F. | 1.25 | CODE | K | DES | B | CLASS | F | | |
| NEMA-NOM-EFF | 77 | PF | 87 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | |
| CC | USABLE AT 208V | | | | | | | | |
| DE | 6205 | ODE | 6203 | | | | | | |
| ENCL | TEFC | SN | | | | | | | |
| | SFA 3.4/1.7 | | | | | | | | |

| Parts List | | |
|----------------|--|----------|
| Part Number | Description | Quantity |
| SA194359 | SA 35T986Y474G1 | 1.000 EA |
| RA181949 | RA 35T986Y474G1 | 1.000 EA |
| 34FN3002A01SP | 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 |
| 35GS1022A03SP | GASKET BOX .125 THK WHITE NEOPRENE | 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 |
| 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 |
| HW5100A03SP | WAVY WASHER (W1543-017) | 1.000 EA |
| HW4032A01 | BLACK DRAIN PLUG FOR WASH DOWN MOTORS | 3.000 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 |
| 35FH4005A01SP | IEC FH NO GREASER W/AUTOPHORETIC PRIMER | 1.000 EA |
| 11XW1032S06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 3.000 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 |
| HW1003S08 | WASHER, #8 EX TH LK, SS | 4.000 EA |
| HA1005A05SP | SLINGER, OD 1.50, ID .659, 203 BRG | 1.000 EA |
| HW4600B46SP | SEAL 0.875 X 1.420 X 0.240 FACE SEALING | 1.000 EA |
| HW2502D13 | SS KEY, 3/16 SQ X 1.375 | 1.000 EA |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 EA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |

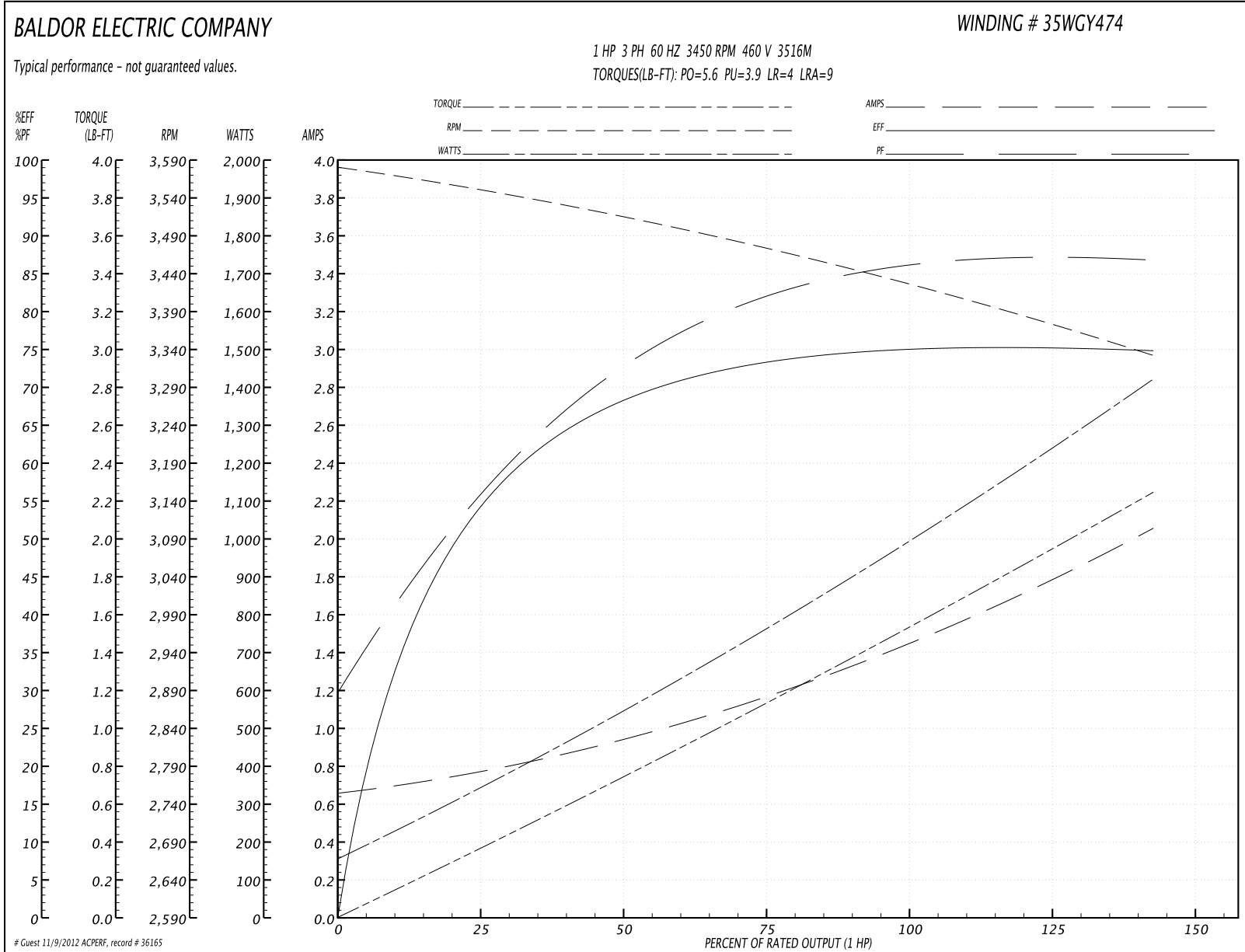
| Parts List (continued) | | |
|------------------------|--|----------|
| Part Number | Description | Quantity |
| LB1164 | LABEL,WARNING AND DRAIN | 1.000 EA |
| HA5027A01 | HA4066A01 T-DRAIN X2 BAGGED | 1.000 EA |
| 35CB3008A01W | 35 CB .50 NPT @ 6, MACH WHITE EPOXY | 1.000 EA |
| 35EP3100A81MW | SPECIAL FRONT ENDPLATE, MACH. W/WHITE EP | 1.000 EA |
| MJ1000A75 | GREASE, POLYREX EM EXXON | 0.050 LB |
| 35EP3300A48MW | SPL FACE MTD EP - 205 BRG - W/SEAL FOR W | 1.000 EA |
| 35CB4510W | 35 CB LID W/WHITE EPOXY | 1.000 EA |
| MJ5001A01 | 46-665 RED SEALER | 0.001 QT |
| MG1025W01 | PAINT- 781-01 WILKOFASST 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 |
| NP1496L | SS WD UL CSA CC | 1.000 EA |
| PA1000 | PACKING GROUP 3500 SHORT | 1.000 EA |
| LB1357 | ENERGY GUIDE LABEL (BOX LABEL) | 1.000 SH |
| LB5040 | INSTRUCTION TAG, AC & DC | 1.000 EA |

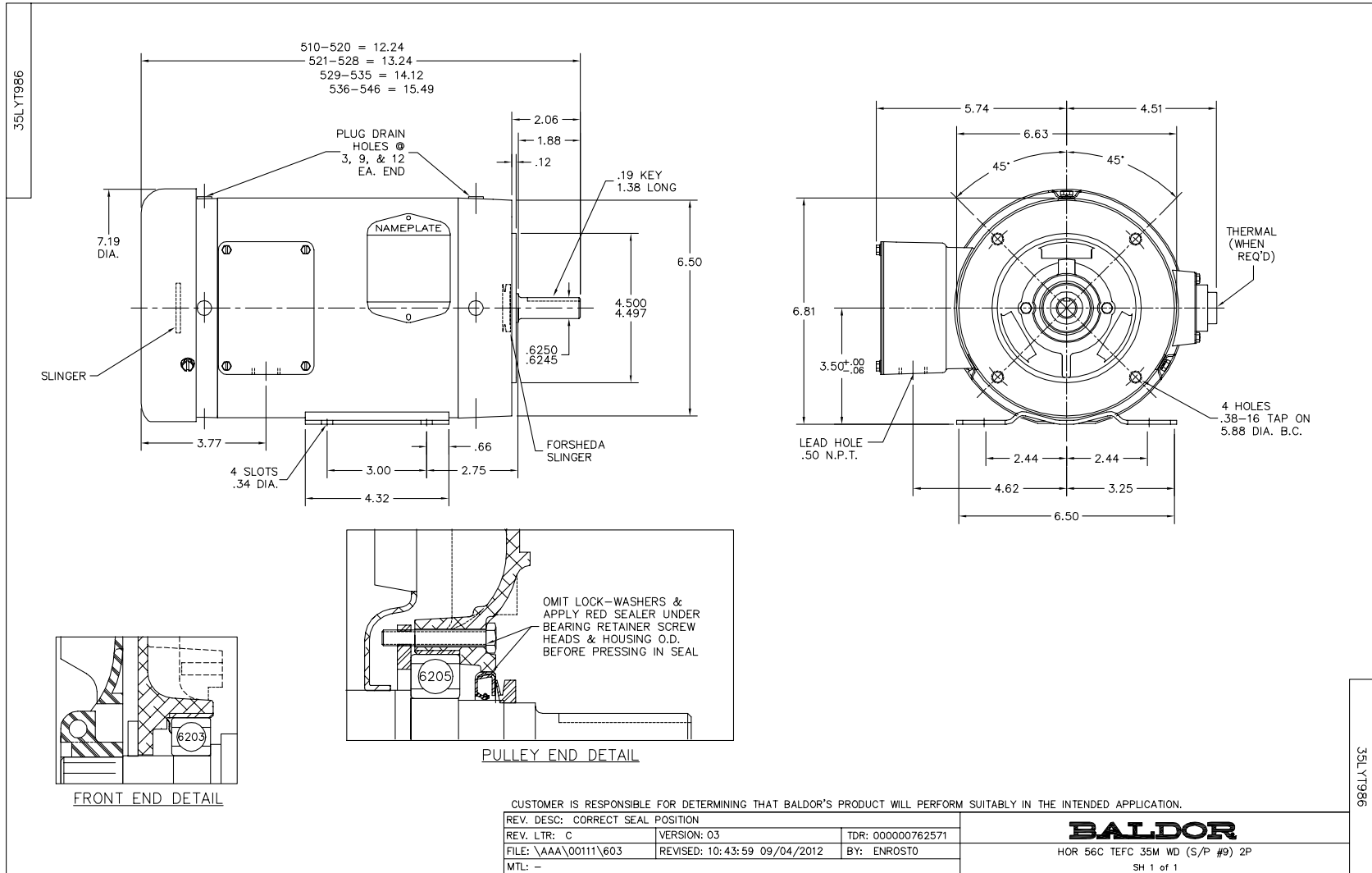
Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

| General Characteristics | | | |
|--------------------------|--------------------------------|----------------------|-----------|
| Full Load Torque: | 1.5 LB-FT | Start Configuration: | DOL |
| No-Load Current: | 0.66 Amps | Break-Down Torque: | 5.6 LB-FT |
| Line-line Res. @ 25°C.: | 19.4 Ohms A Ph / 0.0 Ohms B Ph | Pull-Up Torque: | 3.9 LB-FT |
| Temp. Rise @ Rated Load: | 47 C | Locked-Rotor Torque: | 4.0 LB-FT |
| Temp. Rise @ S.F. Load: | 55 C | Starting Current: | 9.0 Amps |

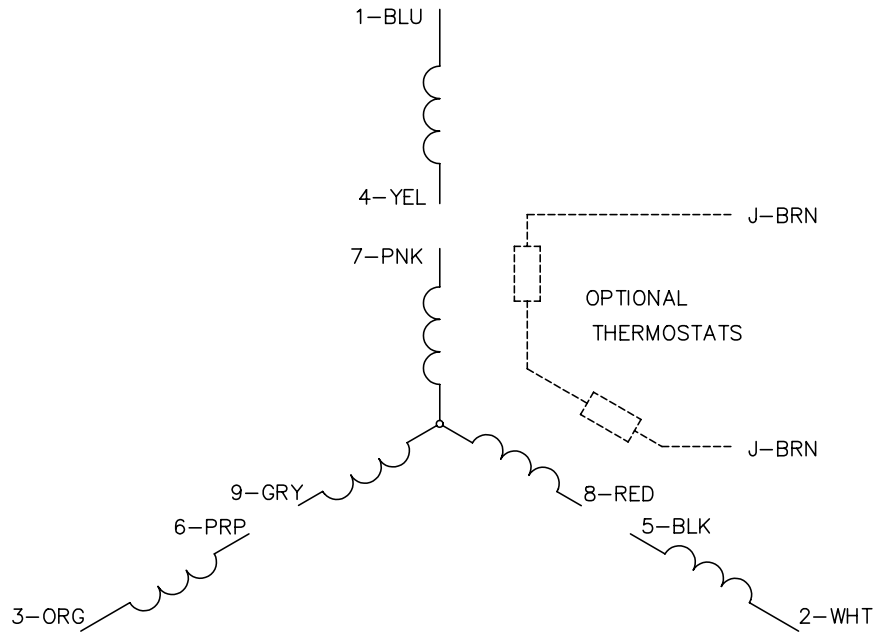
| Load Characteristics | | | | | | | |
|----------------------|--------|--------|--------|--------|--------|--------|--------|
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 57.0 | 74.0 | 81.0 | 85.0 | 87.0 | 87.0 | 87.0 |
| Efficiency: | 54.0 | 67.8 | 73.5 | 75.1 | 75.6 | 74.6 | 75.6 |
| Speed: | 3549.0 | 3513.0 | 3474.0 | 3432.0 | 3384.0 | 3330.0 | 3384.0 |
| Line Amperes: | 0.77 | 0.94 | 1.17 | 1.43 | 1.72 | 2.06 | 1.72 |

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





CD0005

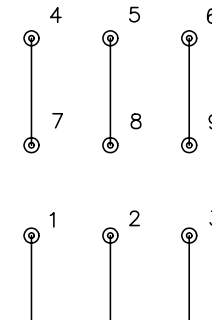


LOW VOLTAGE
(2Y)



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

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005