

BALDOR® • RELIANCE 

Product Information Packet

CHC3417A

.33HP, 1100RPM, 1PH, 60HZ, 48Z, 3421C, TEAO, F1

| Part Detail | | | | | | | |
|-------------|--------|-------------|------------|-------------|--------|---------------|----|
| Revision: | AB | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Elec. Spec: | 34WG5633 | CD Diagram: | CD0381 | Mfg Plant: | |
| Mech. Spec: | 34K052 | Layout: | 34LYK052 | Poles: | 06 | Created Date: | |
| Base: | RS | Eff. Date: | 07-16-2018 | Leads: | 7#18 | | |

| Specs | | | |
|---------------------------------|-------------------------|--------------------------------|--------------------|
| Catalog Number: | CHC3417A | Inverter Code: | Not Inverter |
| Enclosure: | TEAO | KVA Code: | F |
| Frame: | 48Z | Lifting Lugs: | No Lifting Lugs |
| Frame Material: | Steel | Locked Bearing Indicator: | No Locked Bearing |
| Output @ Frequency: | .330 HP @ 60 HZ | Motor Lead Quantity/Wire Size: | 7 @ 18 AWG |
| Synchronous Speed @ Frequency: | 1200 RPM @ 60 HZ | Motor Lead Exit: | Terminal Panel |
| Voltage @ Frequency: | 115.0 V @ 60 HZ | Motor Lead Termination: | Flying Leads |
| | 230.0 V @ 60 HZ | Motor Type: | 3421C |
| XP Class and Group: | None | Mounting Arrangement: | F1 |
| XP Division: | Not Applicable | Power Factor: | 67 |
| Agency Approvals: | UR | Product Family: | General Purpose |
| | CSA | Pulley End Bearing Type: | Ball |
| Auxillary Box: | No Auxillary Box | Pulley Face Code: | Resilient Mount |
| Auxillary Box Lead Termination: | None | Pulley Shaft Indicator: | Standard |
| Base Indicator: | Resilient | Rodent Screen: | None |
| Bearing Grease Type: | Polyrex EM (-20F +300F) | RoHS Status: | ROHS COMPLIANT |
| Blower: | None | Shaft Extension Location: | Pulley End |
| Current @ Voltage: | 2.800 A @ 230.0 V | Shaft Ground Indicator: | No Shaft Grounding |

| | | | |
|---------------------------------------|---------------------------|------------------------------------|----------------------------|
| | 5.600 A @ 115.0 V | Shaft Rotation: | Reversible |
| Design Code: | - | Shaft Slinger Indicator: | No Slinger |
| Drip Cover: | No Drip Cover | Speed Code: | Single Speed |
| Duty Rating: | CONT | Motor Standards: | NEMA |
| Electrically Isolated Bearing: | Not Electrically Isolated | Starting Method: | Direct on line |
| Feedback Device: | NO FEEDBACK | Thermal Device - Bearing: | NONE (OLD) |
| Front Face Code: | Resilient Mount | Thermal Device - Winding: | None |
| Front Shaft Indicator: | None | Vibration Sensor Indicator: | No Vibration Sensor |
| Heater Indicator: | No Heater | Winding Thermal 1: | Automatic Thermal Overload |
| Insulation Class: | B | Winding Thermal 1 Location: | SB |
| | | Winding Thermal 2: | None |

| | | | | | | | | | | | |
|--------------------------|--------------|--|--|-------------|------|--|-----------------------|---|--|-----------|---|
| Nameplate NP1280L | | | | | | | | | | | |
| CAT.NO. | CHC3417A | | | | | | | | | | |
| SPEC. | 34K52-5633 | | | | | | | | | | |
| HP | .33 | | | | | | | | | | |
| VOLTS | 115/230 | | | | | | | | | | |
| AMP | 5.6/2.8 | | | | | | | | | | |
| RPM | 1100 | | | | | | | | | | |
| FRAME | 48Z | | | HZ | 60 | | PH | 1 | | | |
| SER.F. | 1.00 | | | CODE | F | | DES | - | | CL | B |
| NEMA-NOM-EFF | 54 | | | PF | 67 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | | | |
| CC | | | | | | | USABLE AT 208V | | | | |
| DE | 6203 | | | ODE | 6203 | | | | | | |
| ENCL | TEAO | | | SN | | | | | | | |

| Parts List | | |
|---------------|--|----------|
| Part Number | Description | Quantity |
| SA008199 | SA 34K52-5633 | 1.000 EA |
| RA004646 | RA 34K52-5633 | 1.000 EA |
| OC3010F12SP | CYL OIL CAP 10MFD/370V | 1.000 EA |
| 34EP3204A01SP | FR ENDPLATE, MACH | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 3.000 EA |
| 11XT0832G06 | 8-32 X 3/8 TY 23 TAPPING | 1.000 EA |
| RM1000A03 | CUSHION RING, MDL 17-33-34 | 1.000 EA |
| RM1000A03 | CUSHION RING, MDL 17-33-34 | 1.000 EA |
| HA6004A01A | CLAMP CUSHION RING ASSY | 2.000 EA |
| WD4100A01 | DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS | 1.000 EA |
| RM1001A01 | GROMMET "MIDSTATES" | 1.000 EA |
| 51XB1016A05 | 10-16X5/16HX WA SL SR TYB (F/S) | 2.000 EA |
| HW5100A03 | WAVY WASHER (W1543-017) | 1.000 EA |
| 34EP3205A01 | PU ENDPLATE, MACH | 1.000 EA |
| XY1032A02 | 10-32 HEX NUT DIRECTIONAL SERRATION | 4.000 EA |
| HW1000A10 | #10 FLAT WASHER (SAE) | 4.000 EA |
| LD5000A52 | LEAD ASSY W/INTERNAL STAR RING TERMINALS | 1.000 EA |
| 11XT1032A06 | 10-32 X 3/8 HX WSHR HD SLTD TYPE 23 | 2.000 EA |
| 34CB4501SP | TERMINAL BOX LID, STAMPED X (PLATED) | 1.000 EA |
| 34GS1005 | GASKET, TERM PLATE LID | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| 34GS5003A01 | FOAM SLEEVE, ID = 2 1/16" X 4 3/8" | 1.000 EA |
| 34BA4001F01 | RESILIENT BASE, 417-421 | 1.000 EA |
| WD1000A16 | 2-520128-2 AMP FLAG TERMINAL(4M/RL) | 9.000 EA |

| Parts List (continued) | | |
|-------------------------------|--|-----------------|
| Part Number | Description | Quantity |
| MG1025C02 | WILKOFASG SG, 787.105, TAN | 0.014 GA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |
| SP5076SP | MODEL 34 TERMINAL PANEL WITH QUICK CONNE | 1.000 EA |
| 33CB4800A02 | CAPACITOR COVER, STAMPED | 1.000 EA |
| 35GS3001A02 | GASKET, CA.COVER, 5.38 LONG .06 CS301 | 1.000 EA |
| HA3100A17 | THRUBOLT 10-32 X 9.000 | 4.000 EA |
| LB1118 | LABEL,WARNING (ROLL LABEL) | 1.000 EA |
| LC0052 | CONNECTION LABEL | 1.000 EA |
| NP1280L | ALUM FARM DUTY UL CSA CC THERMAL | 1.000 EA |
| 34PA1002 | PKG GRP, PRINT PK1001A01 | 1.000 EA |
| MN416A01 | TAG-INSTAL-MAINT no wire (1200/bx) 5/18 | 1.000 EA |

AC Induction Motor Performance Data

Record # 50787 - Typical performance - not guaranteed values

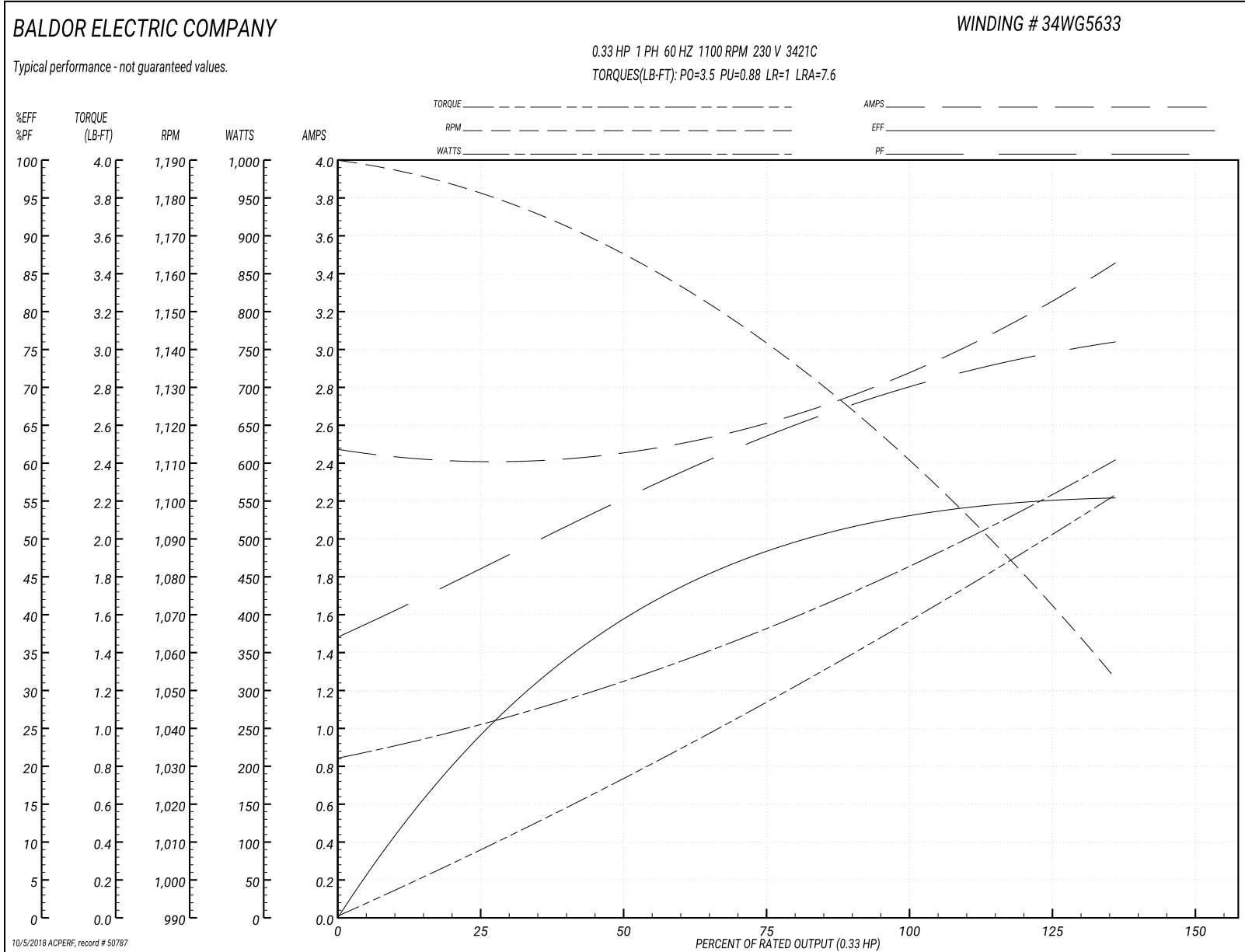
| | | |
|-------------------------------|--------------------|------------------------|
| Winding: 34WG5633-R001 | Type: 3421C | Enclosure: TEAO |
|-------------------------------|--------------------|------------------------|

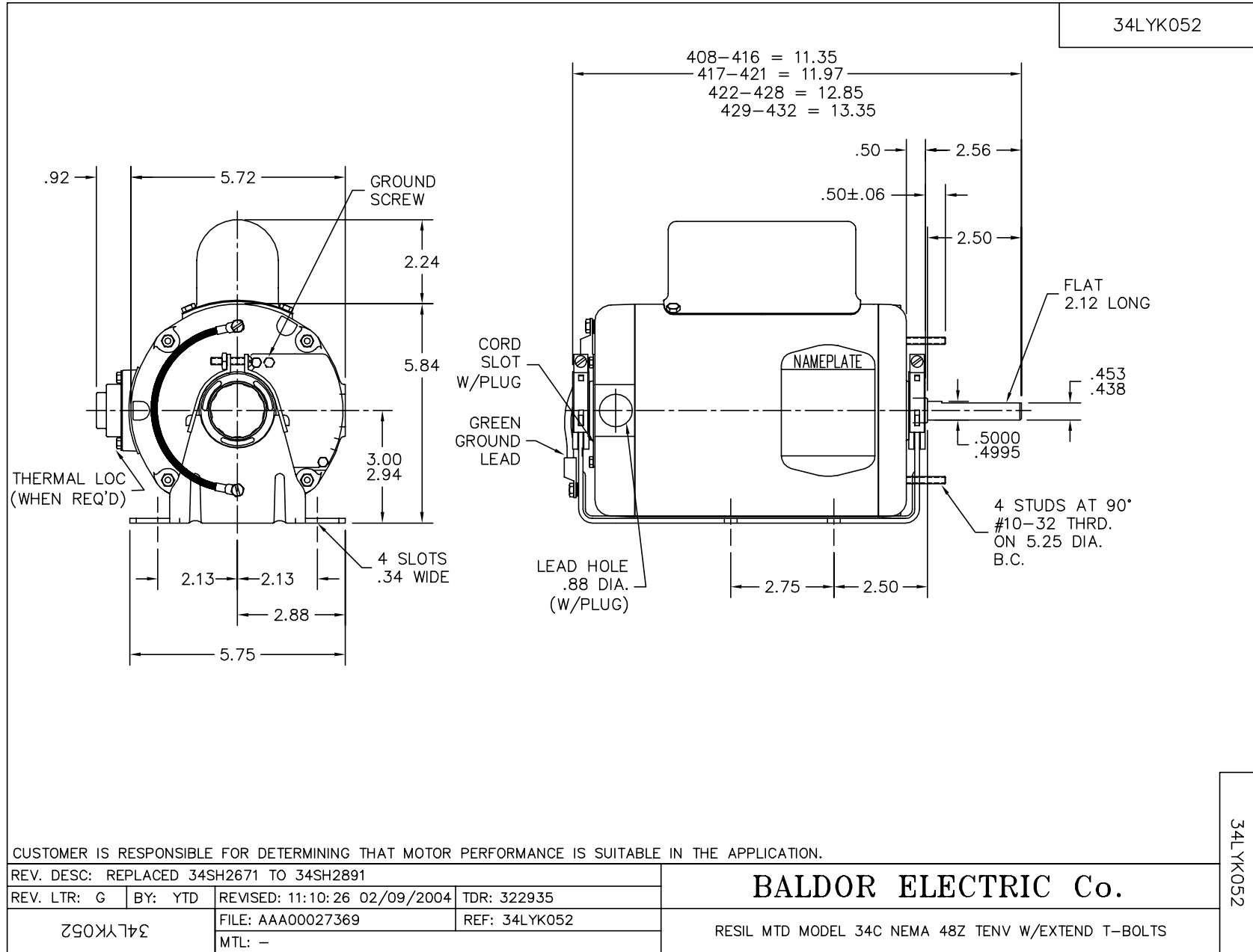
| Nameplate Data | | | | 230 V, 60 Hz: High Voltage Connection | |
|-----------------------|--------------|--------------|----|--|----------------------------|
| Rated Output (HP) | .33 | | | Full Load Torque | 1.5 LB-FT |
| Volts | 115/230 | | | Start Configuration | direct on line |
| Full Load Amps | 5.6/2.8 | | | Breakdown Torque | 3.5 LB-FT |
| R.P.M. | 1100 | | | Pull-up Torque | 0.88 LB-FT |
| Hz | 60 | Phase | 1 | Locked-rotor Torque | 1 LB-FT |
| NEMA Design Code | - | KVA Code | F | Starting Current | 7.6 A |
| Service Factor (S.F.) | 1 | | | No-load Current | 2.45 A |
| NEMA Nom. Eff. | 54 | Power Factor | 67 | Line-line Res. @ 25°C | 8.28 Ω A Ph 25.1 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | |

Load Characteristics 230 V, 60 Hz, 0.33 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|-----------------|------|------|------|------|------|------|
| Power Factor | 43 | 53 | 61 | 67 | 72 | 76 |
| Efficiency | 22 | 39 | 49 | 54 | 56 | 54 |
| Speed | 1180 | 1161 | 1142 | 1118 | 1090 | 1048 |
| Line amperes | 2.43 | 2.48 | 2.61 | 2.81 | 3.09 | 3.5 |

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0381

