

BALDOR® • RELIANCE 

Product Information Packet

KL3405

.33HP,3450RPM,1PH,60HZ,56C,3413L,TEFC,F1

| Part Detail | | | | | | | |
|-------------|--------|-------------|------------|-------------|--------|---------------|----|
| Revision: | Z | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Elec. Spec: | 34WG0183 | CD Diagram: | CD0001 | Mfg Plant: | |
| Mech. Spec: | 34C063 | Layout: | 34LYC063 | Poles: | 02 | Created Date: | |
| Base: | N | Eff. Date: | 02-22-2018 | Leads: | 6#18 | | |

| Specs | | | |
|---------------------------------|-------------------------|--------------------------------|-----------------|
| Catalog Number: | KL3405 | Heater Indicator: | No Heater |
| Enclosure: | TEFC | Insulation Class: | B |
| Frame: | 56C | Inverter Code: | Not Inverter |
| Frame Material: | Steel | KVA Code: | K |
| Output @ Frequency: | .330 HP @ 60 HZ | Lifting Lugs: | No Lifting Lugs |
| Synchronous Speed @ Frequency: | 3600 RPM @ 60 HZ | Locked Bearing Indicator: | Locked Bearing |
| Voltage @ Frequency: | 115.0 V @ 60 HZ | Motor Lead Quantity/Wire Size: | 6 @ 18 AWG |
| | 230.0 V @ 60 HZ | Motor Lead Exit: | Ko Box |
| | 208.0 V @ 60 HZ | Motor Lead Termination: | Flying Leads |
| XP Class and Group: | None | Motor Type: | 3413L |
| XP Division: | Not Applicable | Mounting Arrangement: | F1 |
| Agency Approvals: | CSA | Power Factor: | 68 |
| | UR | Product Family: | General Purpose |
| Auxillary Box: | No Auxillary Box | Pulley End Bearing Type: | Ball |
| Auxillary Box Lead Termination: | None | Pulley Face Code: | C-Face |
| Base Indicator: | No Mounting | Pulley Shaft Indicator: | Standard |
| Bearing Grease Type: | Polyrex EM (-20F +300F) | Rodent Screen: | None |
| Blower: | None | RoHS Status: | ROHS COMPLIANT |

| | | | |
|---------------------------------------|---------------------------|------------------------------------|---------------------|
| Current @ Voltage: | 6.000 A @ 115.0 V | Shaft Extension Location: | Pulley End |
| | 3.700 A @ 208.0 V | Shaft Ground Indicator: | No Shaft Grounding |
| | 3.200 A @ 208.0 V | Shaft Rotation: | Reversible |
| | 3.000 A @ 230.0 V | Shaft Slinger Indicator: | No Slinger |
| Design Code: | N | Speed Code: | Single Speed |
| Drip Cover: | No Drip Cover | Motor Standards: | NEMA |
| Duty Rating: | CONT | Starting Method: | Direct on line |
| Electrically Isolated Bearing: | Not Electrically Isolated | Thermal Device - Bearing: | NONE (OLD) |
| Feedback Device: | NO FEEDBACK | Thermal Device - Winding: | None |
| Front Face Code: | Standard | Vibration Sensor Indicator: | No Vibration Sensor |
| Front Shaft Indicator: | None | Winding Thermal 1: | None |
| | | Winding Thermal 2: | None |

| Nameplate NP1256L | | | | | | | | | | |
|-------------------|---------------|--|------|----|-----|------|--|----------------|-----|---|
| CAT.NO. | KL3405 | | | | | | | | | |
| SPEC. | 34C63-183 | | | | | | | | | |
| HP | .33 | | | | | | | | | |
| VOLTS | 115/208-230 | | | | | | | | | |
| AMP | 6/3.2-3 | | | | | | | | | |
| RPM | 3450 | | | | | | | | | |
| FRAME | 56C | | | | HZ | 60 | | | PH | 1 |
| SER.F. | 1.35 | | CODE | K | DES | N | | CLASS | B | |
| NEMA-NOM-EFF | 55 | | PF | 68 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | | |
| CC | | | | | | | | USABLE AT 208V | 3.7 | |
| DE | 6203 | | | | ODE | 6203 | | | | |
| ENCL | TEFC | | SN | | | | | | | |
| | SFA 7/3.7-3.5 | | | | | | | | | |

| Parts List | | |
|---------------|--|----------|
| Part Number | Description | Quantity |
| SA005675 | SA 34C63-183 | 1.000 EA |
| RA002421 | RA 34C63-183 | 1.000 EA |
| NS2512A01 | INSULATOR, CONDUIT BOX X | 1.000 EA |
| 34CB3002A | CB CAST W/.88 DIA HOLE | 1.000 EA |
| 34GS1029A01 | GASKET, CONDUIT BOX | 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 |
| 34EP3102A01SP | FR ENDPLATE, MACH | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| NS2500A01 | INSULATOR, AUTO THER PROT | 1.000 EA |
| 34CB4800SP | CAPACITOR COVER, STAMPED PRIMED | 1.000 EA |
| 34GS3000SP | GASKET, CAPACITOR BOX | 1.000 EA |
| 51XB1016A05 | 10-16X5/16HX WA SL SR TYB (F/S) | 2.000 EA |
| HW5100A03 | WAVY WASHER (W1543-017) | 1.000 EA |
| 51XN1032A20 | 10-32 X 1 1/4 HX WS SL SR | 2.000 EA |
| 34FN3002A01SP | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/ | 1.000 EA |
| 34FH4002A01SP | IEC FH NO GREASER PRIMED | 1.000 EA |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 34CB4517 | CB LID 4 MTG HOLES .22 DIA STAMPED, FOR | 1.000 EA |
| 34GS1031A01 | GASKET, FLAT CONDUIT BOX LID (LEXIDE) | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 EA |
| HW2501D13 | KEY, 3/16 SQ X 1.375 | 1.000 EA |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 EA |
| 34EP3300A24SP | PU ENDPLATE, MACH | 1.000 EA |

| Parts List (continued) | | |
|-------------------------------|--|-----------------|
| Part Number | Description | Quantity |
| MG1000G27 | MED CHARCOAL METALLIC GREY 400-0096 | 0.014 GA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |
| SP5051B16 | MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2 | 1.000 EA |
| EC1189A02SP | 61B2D120189NNBA ELEC CAP, 189-227MFD, 12 | 1.000 EA |
| HA3100A12 | THRUBOLT 10-32 X 7.375 | 4.000 EA |
| LC0001A01 | CONN LABEL / WARNING LABEL (LC0001 / LB1 | 1.000 EA |
| NP1256L | ALUM UL CSA CC INDUSTRIAL MOTOR A60 | 1.000 EA |
| 34PA1002 | PKG GRP, PRINT PK1001A01 | 1.000 EA |
| PK3083T | STYROFOAM PACKING CRADLE | 1.000 EA |
| PK3088 | MICROFOAM, 8"X"8 PERF. SHEETS 5,400/RL | 1.000 EA |

AC Induction Motor Performance Data

Record # 50672 - Typical performance - not guaranteed values

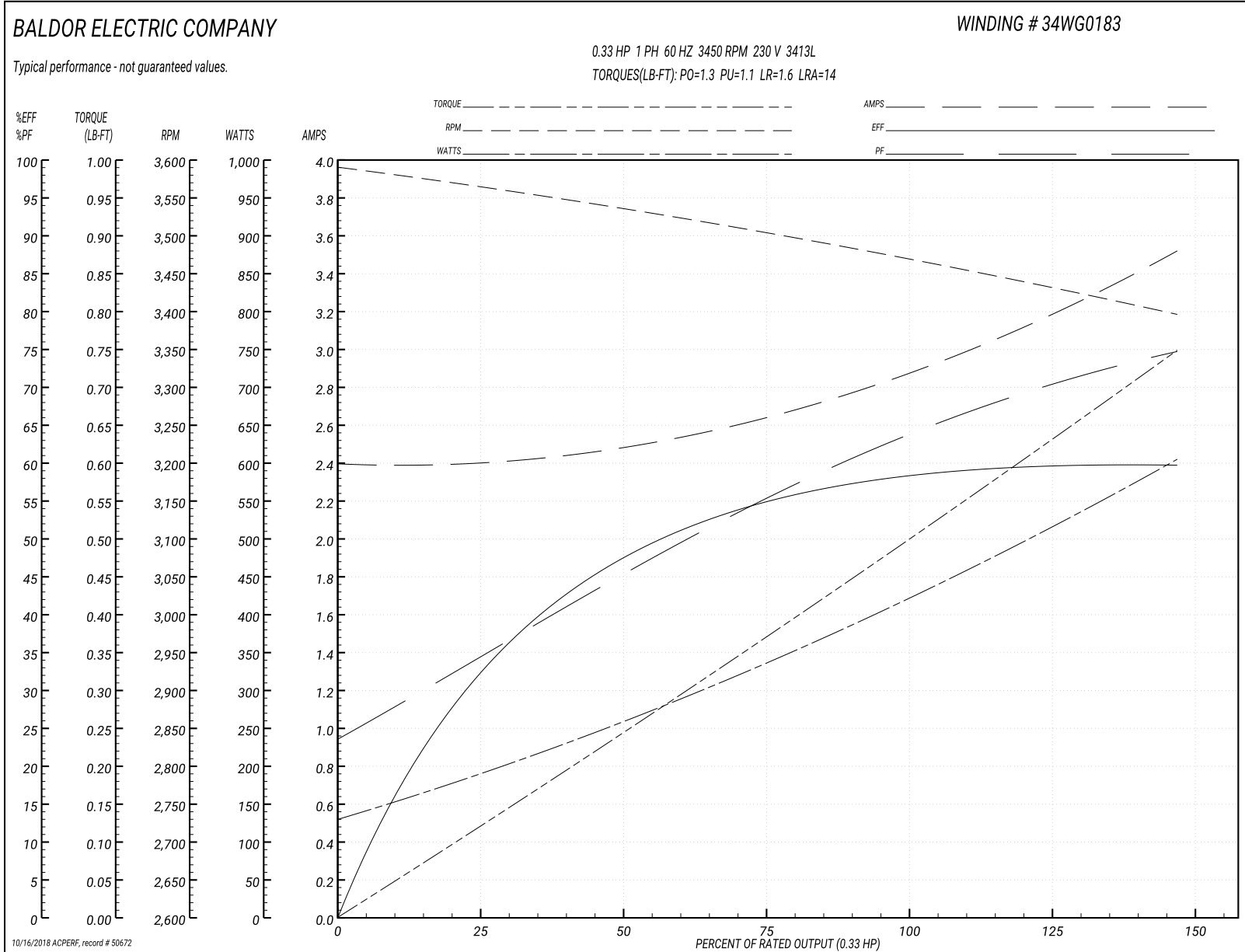
| | | |
|-------------------------------|--------------------|------------------------|
| Winding: 34WG0183-R001 | Type: 3413L | Enclosure: TEFC |
|-------------------------------|--------------------|------------------------|

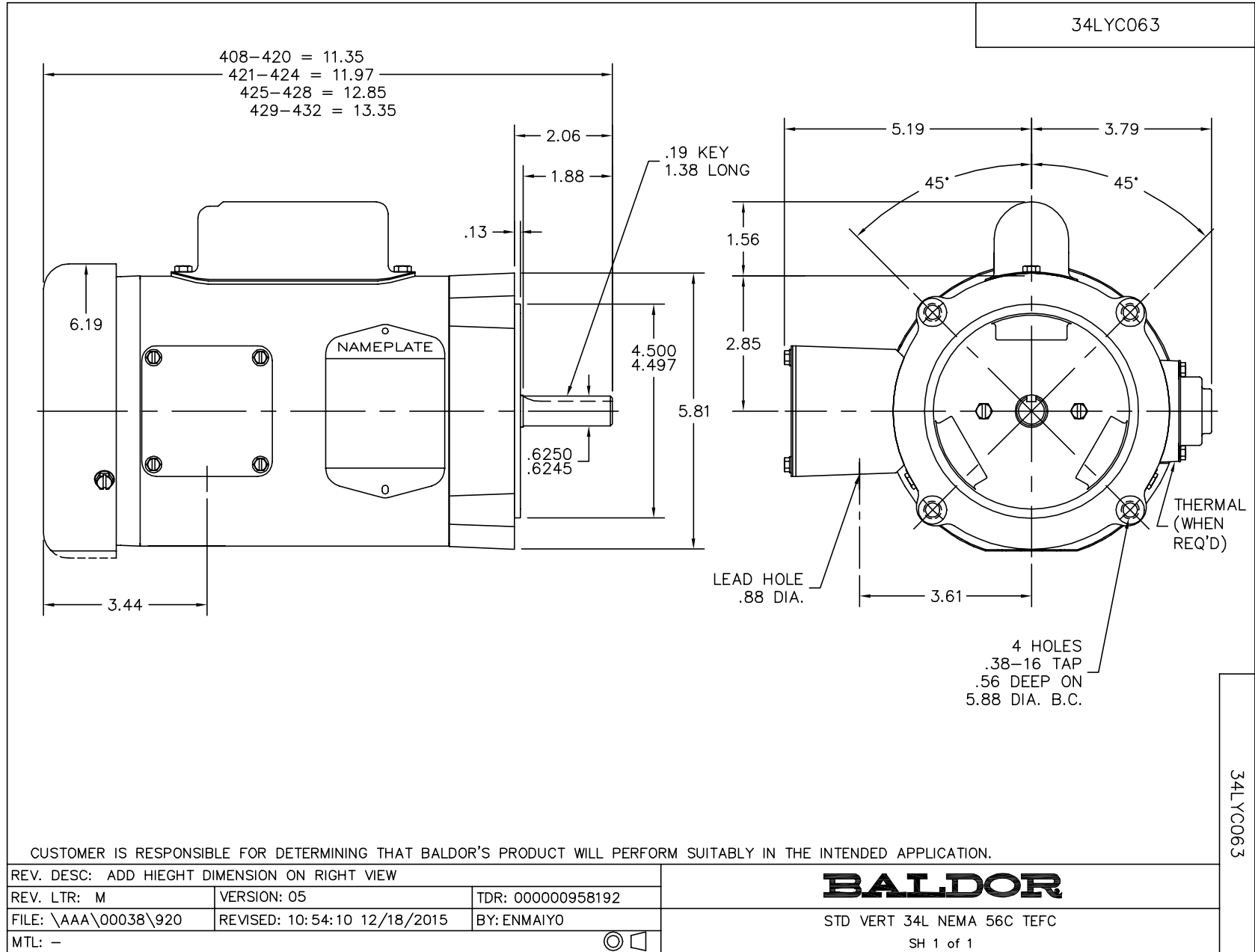
| Nameplate Data | | | | 230 V, 60 Hz: High Voltage Connection | |
|-----------------------|--------------|--------------|----|--|----------------------------|
| Rated Output (HP) | .33 | | | Full Load Torque | 0.5 LB-FT |
| Volts | 115/208-230 | | | Start Configuration | direct on line |
| Full Load Amps | 6/3.2-3 | | | Breakdown Torque | 1.3 LB-FT |
| R.P.M. | 3450 | | | Pull-up Torque | 1.1 LB-FT |
| Hz | 60 | Phase | 1 | Locked-rotor Torque | 1.6 LB-FT |
| NEMA Design Code | N | KVA Code | K | Starting Current | 14 A |
| Service Factor (S.F.) | 1.35 | | | No-load Current | 2.4 A |
| NEMA Nom. Eff. | 55 | Power Factor | 68 | Line-line Res. @ 25°C | 7.12 Ω A Ph 5.47 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | |
| S.F. Amps | 7/3.7-3.5 | | | Temp. Rise @ S.F. Load | |

Load Characteristics 230 V, 60 Hz, 0.33 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor | 39 | 47 | 56 | 66 | 70 | 75 | 72 |
| Efficiency | 36.3 | 46.9 | 53.8 | 58.8 | 59.8 | 59.7 | 60.2 |
| Speed | 3556 | 3535 | 3508 | 3465 | 3439 | 3393 | 3429 |
| Line amperes | 2.4 | 2.5 | 2.6 | 2.9 | 3.2 | 3.5 | 3.4 |

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





CD0001



| | | | |
|---|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: D | BY: JLP | REVISED: 04/08/99 1:16 | TDR: 0178636 |
| 100000 | | FILE: AAA00007405 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

CD0001