

BALDOR • RELIANCE

Customer information packet

CDP3440-V24

.75HP, 1800RPM, DC, 56C, 3424P, TEFC, F1

Class - None

Division - Not Applicable

Specifications

| | |
|-------------------------------|--------------------------|
| Armature Voltage | 24 V |
| Base Speed | 1800 rpm |
| Enclosure | TEFC |
| Frame | 56C |
| Frame Material | Steel |
| Haz Area Class and Group | None |
| Output Power | 0.750 HP |
| Agency Approvals | CSA UR |
| Ambient Temperature | 40 °C |
| Armature Current | 29.4 a |
| Armature Inertia | 8.264 lb-ft ² |
| Base Indicator | Rigid |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Feedback Device | NO FEEDBACK |
| Haz Area Division | Not Applicable |
| Heater Indicator | No Heater |
| Insulation Class | H |
| Lifting Lugs | No Lifting Lugs |
| Motor Lead Exit | Ko Box |
| Motor Lead Quantity/Wire Size | 2 @ 12 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Mounting Arrangement | F1 |
| Overall Length | 14.51 IN |
| Product Family | General Purpose |
| Pulley End Bearing Type | Sealed Bearing |
| Service Factor | 1.00 |
| Shaft Diameter | 0.625 IN |
| Shaft Extension Location | Pulley End |

Part detail

| | |
|--------------|------------|
| Revision | M |
| Type | DC |
| Mech. spec. | 34-6893 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 34WGZ611 |
| Layout | 34LY6893 |
| Eff. date | 10-25-2024 |
| CD Diagram | CD0194 |
| Poles | 00 |
| Leads | |
| Proprietary | False |
| Created date | 01-01-0001 |

Shaft Ground Indicator

No Shaft Grounding

Shaft Rotation

Reversible

Shaft Slinger Indicator

No Slinger

Nameplate

| NP0111L | | | |
|-----------------|--------------|----------------|-------|
| CAT.NO. | CDP3440-V24 | | |
| SPEC. | 34-6893Z611 | | |
| HP | .75 | ENCL | TEFC |
| RPM | 1800 | | |
| FRAME | 56C | TYPE | 3424P |
| ARM V | 24 | ARM A | 29.4 |
| FLD V | | FLD A | |
| INSUL | H | AMB. | 40 |
| DUTY | CONT | SUPPLY | A |
| BRG/DE | 6203 | BRG/ODE | 6203 |
| BRUSHES | 2/BP5104BV01 | | |
| | BLANK | | |
| SER. | | | |
| BLANK | --- | | |
| APRV-CSA | | APRV-UL | |

DC Motor Performance Data

Record # 499

Typical performance - not guaranteed values

| Winding: 34WGZ611-R001 | | Type: 3424P | | Enclosure: TEFC | |
|-------------------------------|--------------|-----------------------------------|--------------------------------|------------------------|--|
| Nameplate Data | | | General Characteristics | | |
| Rated Output (HP) | 0.75 | Armature Resistance @ 25°C | 0.0933 Ω | | |
| R.P.M. | 1800 | Voltage Constant | 12.46 v/krpm | | |
| Armature Volts | 24 | Armature Inductance | 0.7493 mH | | |
| Armature Amps | 29.4 | Armature Inertia | 8.2643 LI ² | | |
| Field Volts | | Temp. Rise @ Rated Load | 103°C | | |
| Field Amps | | | | | |
| Rating - Duty | 40C AMB-CONT | | | | |
| Power Supply Code | A | | | | |

Load Characteristics at 24 Armature Volts

| Load Point | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|
| Armature Amps | 2.28 | 8.05 | 14.05 | 19.8 | 25.8 | 31.68 | 37 |
| R.P.M. | 1900 | 1843 | 1772 | 1709 | 1635 | 1574 | 1493 |
| Torque (LB-FT) | 0 | 0.55 | 1.1 | 1.65 | 2.2 | 2.75 | 3.3 |

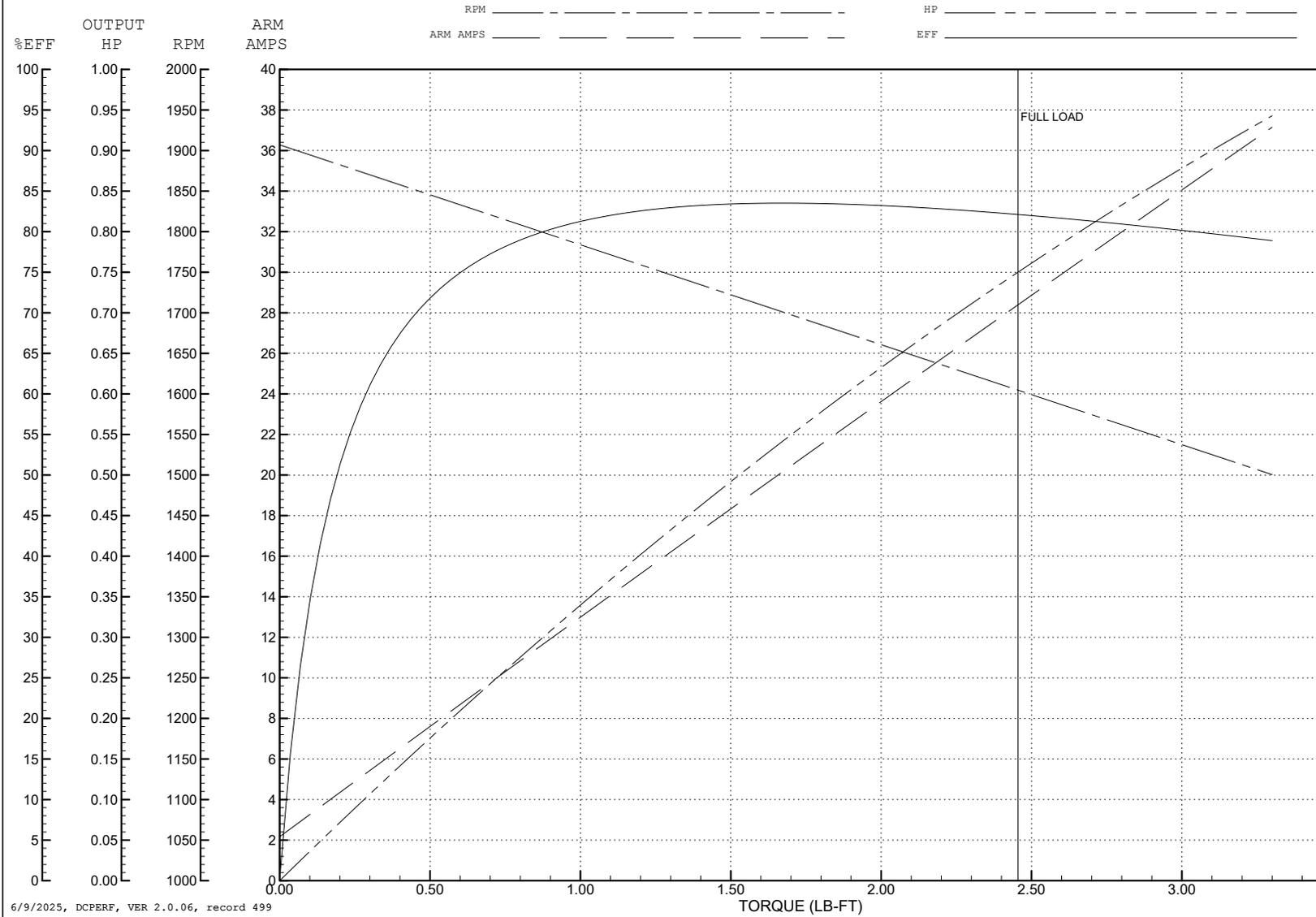
ABB Motors and Mechanical Inc.

WINDING # 34WGZ611

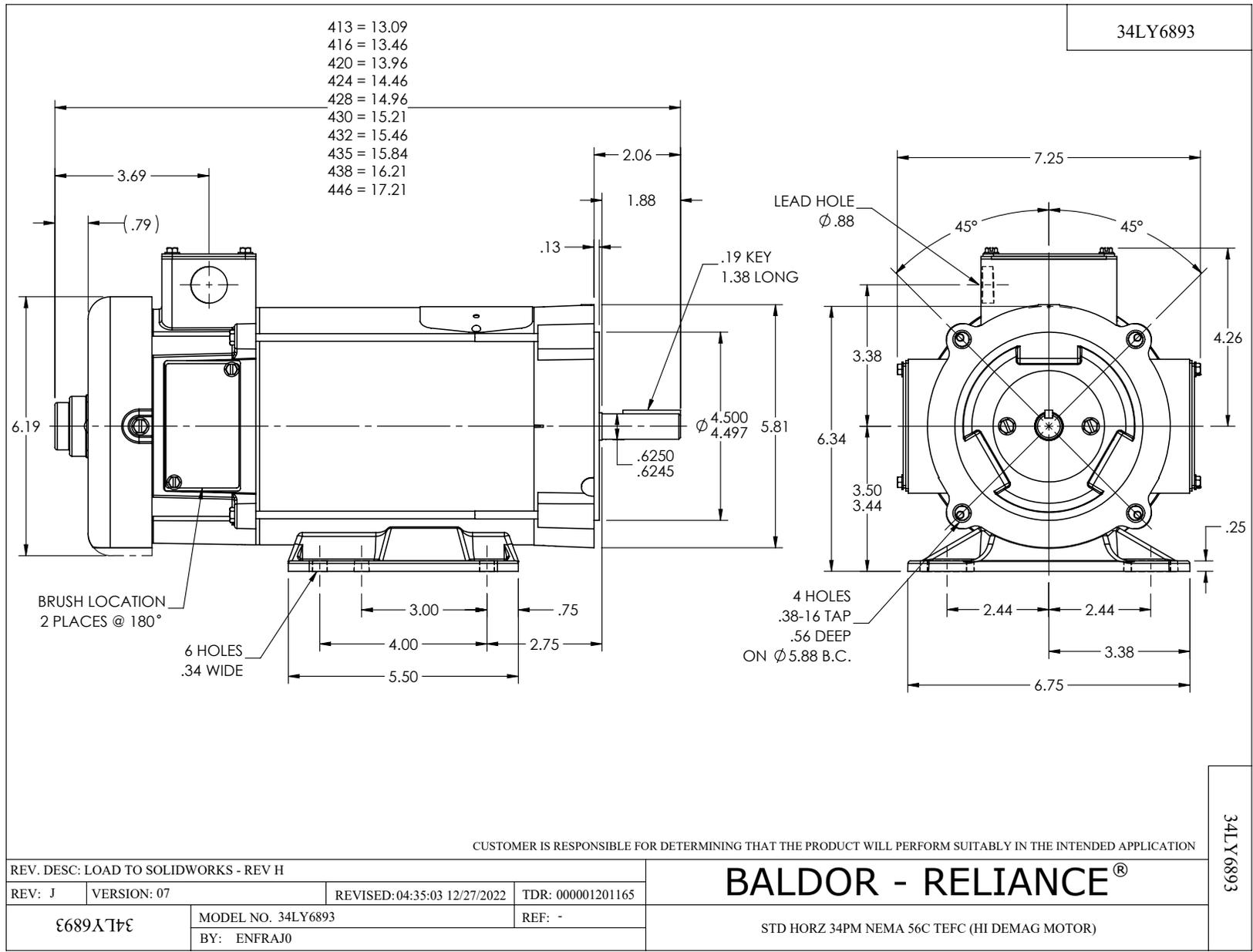
Typical performance - not guaranteed values.

0.75 HP DC 1800 RPM 24 V 3424P

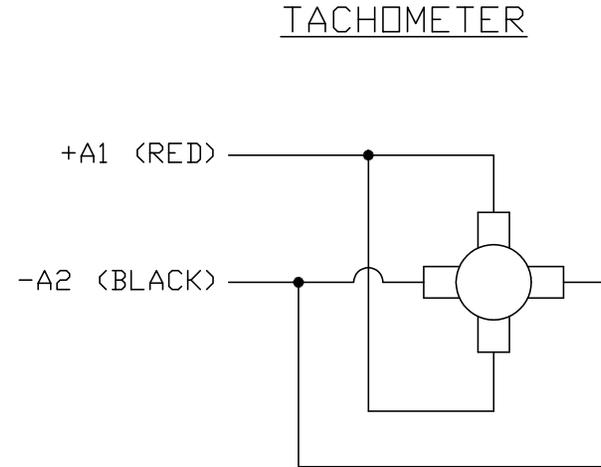
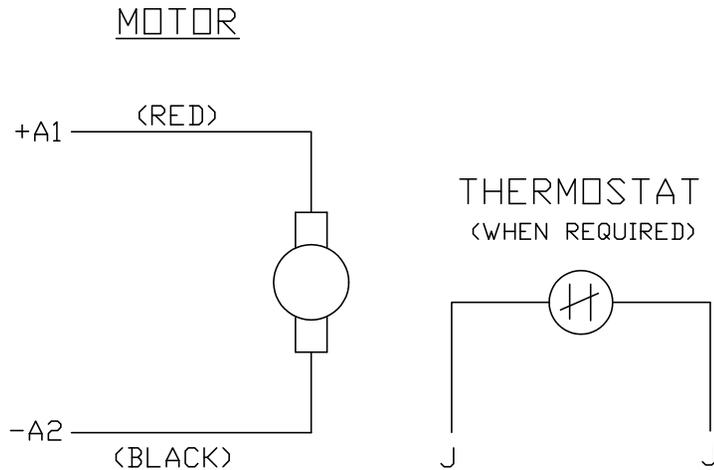
ENCL: TEFC DUTY: CONT CL: H



6/9/2025, DCPERF, VER 2.0.06, record 499



CD0194



NOTES:

1. CCW ROTATION AS SHOWN FACING COMMUTATOR END. TO REVERSE MOTOR ROTATION OR TACHOMETER OUTPUT POLARITY INTERCHANGE LEADS A1(RED) & A2(BLACK)
2. LEAD COLORS FOR REFERENCE ONLY & NOT SPECIFIED BY THIS DRAWING. LEAD COLORS SPECIFIED BY LAYOUT DRAWING & BILL OF MATERIAL ONLY.

| | | | |
|---------|--|--------------|-------------------|
| MATL: - | | | |
| REV: E | ADDED NOTE "LEAD COLORS FOR REFERENCE ONLY &..." | | |
| 761000 | SCALE: - | BY: CK | REVISED: 07/28/95 |
| | FILE: AAA00004503 | TDR: 0078737 | |

BALDOR ELECTRIC Co.

CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS

CD0194