**BALDOR · RELIANCE**

# Customer information packet
CDPT3320

.33HP, 1750RPM, DC, 56C, 3327P, TENV, F1, N

## Specifications

| | |
|---|---|
| **Armature Voltage** | 90 V |
| **Base Speed** | 1750 rpm |
| **Enclosure** | TENV |
| **Frame** | 56C |
| **Frame Material** | Steel |
| **Output Power** | 0.330 HP |
| **Agency Approvals** | CE |
| | CSA |
| | UR |
| | WEEE |
| **Ambient Temperature** | 40 °C |
| **Armature Current** | 3.2 a |
| **Armature Inertia** | 10.535 lb-ft2 |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Feedback Device** | TACHOMETER |
| **Heater Indicator** | No Heater |
| **Insulation Class** | F |
| **Lifting Lugs** | No Lifting Lugs |
| **Motor Lead Quantity/Wire Size** | 2 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Mounting Arrangement** | F1 |
| **Overall Length** | 14.99 IN |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Sealed Bearing |
| **RoHS Status** | ROHS COMPLIANT |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 0.625 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |

## Part detail

| | |
|---|---|
| **Revision** | H |
| **Type** | DC |
| **Mech. spec.** | 33-2657 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 33WGZ102 |
| **Layout** | 33LY2657 |
| **Eff. date** | 10-24-2024 |
| **CD Diagram** | CD0194 |
| **Poles** | 00 |
| **Leads** | |
| **Proprietary** | False |
| **Created date** | 06-19-2019 |

| **Shaft Rotation** | Reversible |
|---|---|
| **Shaft Slinger Indicator** | No Slinger |

**Nameplate**

| NP0891L | | | | |
|---|---|---|---|---|
| **CAT.NO.** | CDPT3320 | | | |
| **SPEC.** | 33-2657Z102 | | | |
| **HP** | .33/KW.25 | **ENCL** | TENV | |
| **RPM** | 1750 1/MIN | | | |
| **FRAME** | 56C | **TYPE** | 3327P | |
| **ARM V** | 90 | **ARM A** | 3.2 | |
| **FLD V** | | **FLD A** | | |
| **INSUL** | F | **AMB.** | 40 | |
| **DUTY** | CONT | **SUPPLY** | 1.3 | |
| **BRG/DE** | 6203 | **BRG/ODE** | 6203 | |
| **BRUSHES** | 2/BP5011T01 | | | |
| | IP44 | **BLANK** | KG13 | |
| **SER.** | | | | |
| **BLANK** | IC410 | | | |
| **APRV-CE** | Y | **APRV-CSA** | Y | **APRV-UL** Y |

33LY2657

313 = 13.21
320 = 14.25
327 = 15.18
336 = 16.92

4.33
3.05

LEAD HOLE
Ø.88

.50 NPT
W/PLUG

LEAD HOLE
.75 NPT

2.06
.10
1.88

.19 KEY
1.38 LONG

Ø 4.500 / 4.497

.6250 / .6245

BRUSH LOCATION
2 PLCS @ 180°

4 SLOT
.34 WIDE

.75
3.00
2.74
4.50

Ø 4.69

2.74
2.74
3.72
5.81
3.50
3.44

45°
45°

.19

4 HOLES
.38-16 TAP
Ø5.88 B.C.

2.44
2.44
6.51

CD0194

MOTOR

TACHOMETER

+A1 —— (RED)

+A1 (RED)

THERMOSTAT
(WHEN REQUIRED)

−A2 (BLACK)

−A2
(BLACK)

J                    J
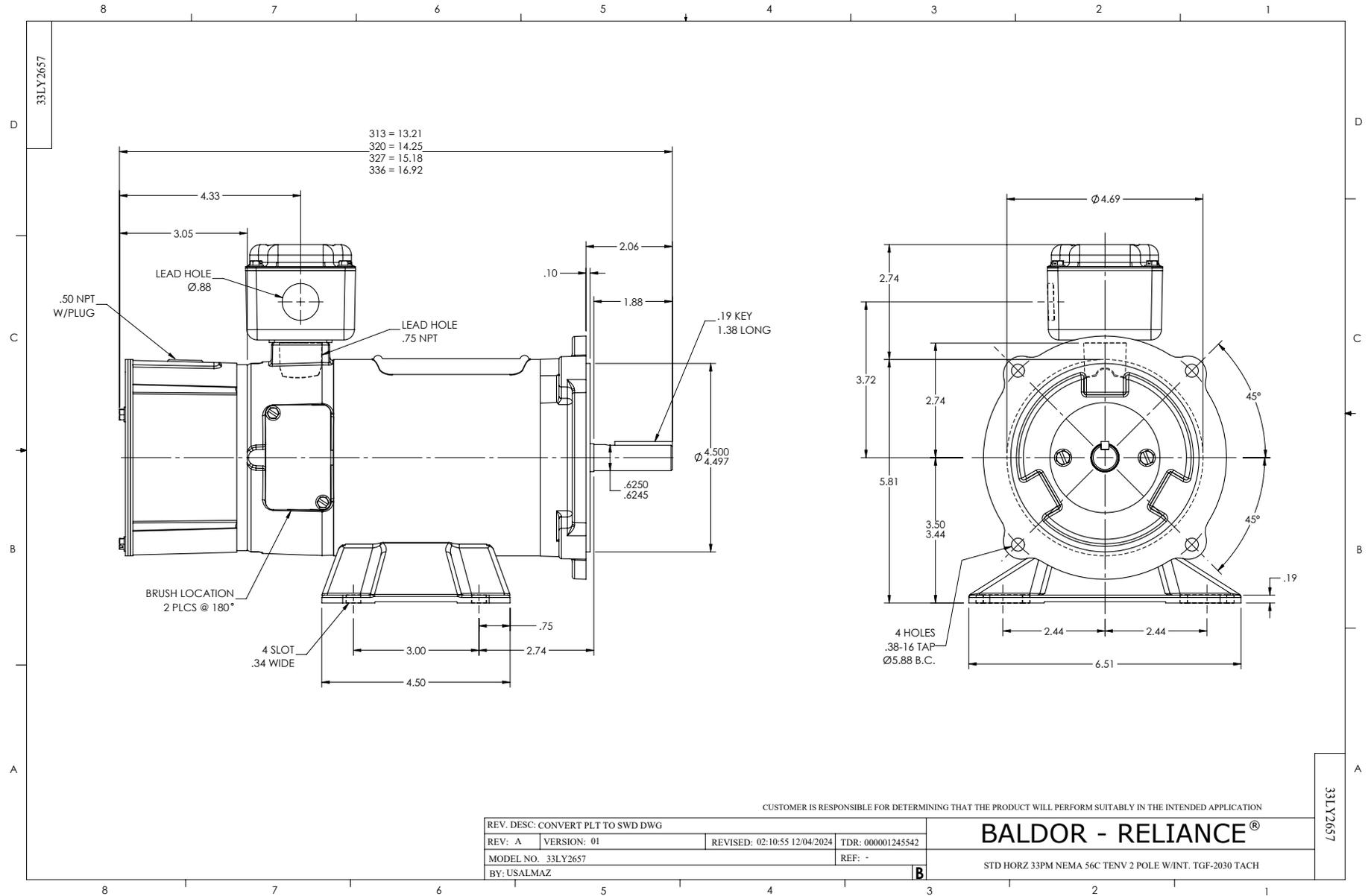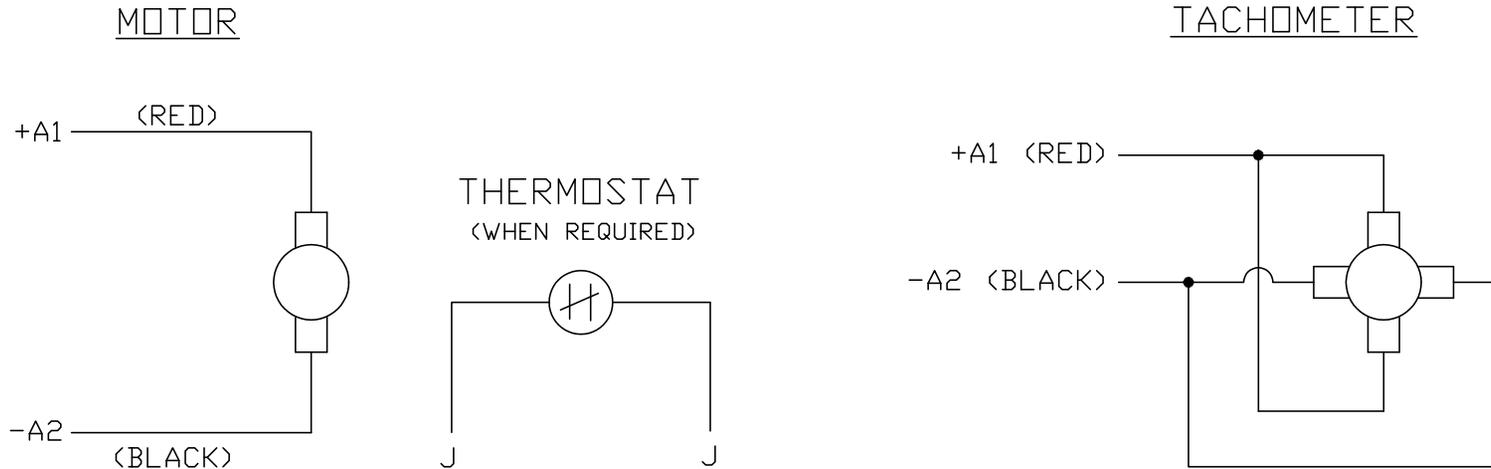
NOTES:

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 &.... | | |
| CD0194 | SCALE: — | BY: CK | REVISED: 07/28/95 | |
| | FILE: AAA00004503 | | TDR: 0078737 | |

**BALDOR ELECTRIC Co.**

CD TYPE P DC PERMANENT MAGNET MOTORS AND TACHOMETERS

CD0194