ABB BALDOR RELIANCE

# Customer information packet

## AEM2333-4

15HP, 1760RPM, 3PH, 60HZ, 284U, 0944M, TEFC, F1
Class - None
Division - Not Applicable

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11/14/2026 11:44:09 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 284U |
| **Frame Material** | Iron |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 15.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| **Agency Approvals** | UR |
| | CSA |
| **Ambient Temperature** | 65 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 17.600 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 92.4 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 17.6 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |

## Part Detail

| | |
|---|---|
| **Revision** | J |
| **Type** | AC |
| **Mech. spec.** | 09F947 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 09WGZ997 |
| **Layout** | 09LYF947 |
| **Eff. date** | 11-14-2023 |
| **CD Diagram** | CD0006 |
| **Poles** | 04 |
| **Leads** | 3#12 |
| **Proprietary** | False |
| **Created date** | 11-08-2016 |

| | |
|---|---|
| **KVA Code** | G |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 3 @ 12 AWG |
| **Motor Lead Termination** | Ring Terminals |
| **Motor Standards** | NEMA |
| **Motor Type** | 0944M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 26.33 IN |
| **Power Factor** | 85 |
| **Product Family** | Automotive (Not For DC) |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 1.625 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1760 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

| NP1404 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | AEM2333-4 | | | | | | | | |
| **SPEC.** | 09F947Z997G1 | | | | | | | | |
| **VOLTS** | 460 | | | | | | | | |
| **AMP** | 17.6 | | | | | | | | |
| **RPM** | 1760 | | | **HP** | 15 | | | | |
| **FRAME** | 284U | **HZ** | 60 | | | **PH** | 3 | | |
| **SER.F.** | 1.00 | **CODE** | G | **DES** | B | **CL** | F | | |
| **NEMA-NOM-EFF** | 92.4 | **PF** | 85 | | | | | | |
| **G.MIN.EFF** | 91 | **CC** | 010A | | | | | | |
| **RATING** | 65C AMB-CONT | | | | | | | | |
| **LUBRICATION** | POLYREX EM | | | | | | | | |
| **DE** | 6311 | **ODE** | 6208 | | | | | | |
| **ENCL** | TEFC | **SER. #** | | | | | | | |

**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| 09-1310 | C FACE KIT | A8 |

**AC Induction Motor Performance Data**
Record # 60281
Typical performance - not guaranteed values

| **Winding:** 09WGZ997-R044 | **Type:** 0944M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: Single Voltage Motor** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 15 | **Full Load Torque** | 44.6 LB-FT |
| **Volts** | | | 460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 17.6 | **Breakdown Torque** | 163 LB-FT |
| **R.P.M.** | | | 1760 | **Pull-up Torque** | 53.3 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 73.2 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | G | **Starting Current** | 108 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 6.19 A |
| **NEMA Nom. Eff.** | 92.4 | **Power Factor** | 85 | **Line-line Res. @ 25ºC** | 0.62 Ω |
| **Rating - Duty** | | | 65C AMB-CONT | **Temp. Rise @ Rated Load** | 50°C |
| | | | | **Locked-rotor Power Factor** | 32.6 |
| | | | | **Rotor inertia** | 1.92 LB-FT2 |

**Load Characteristics 460 V, 60 Hz, 15 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 52 | 73 | 84 | 86 | 87 | 88 |
| **Efficiency** | 89.4 | 92.6 | 93 | 92.5 | 91.4 | 90.3 |
| **Speed** | 1792 | 1783 | 1773 | 1763 | 1752 | 1739 |
| **Line amperes** | 7.44 | 10.3 | 13.5 | 17.6 | 22 | 26.6 |

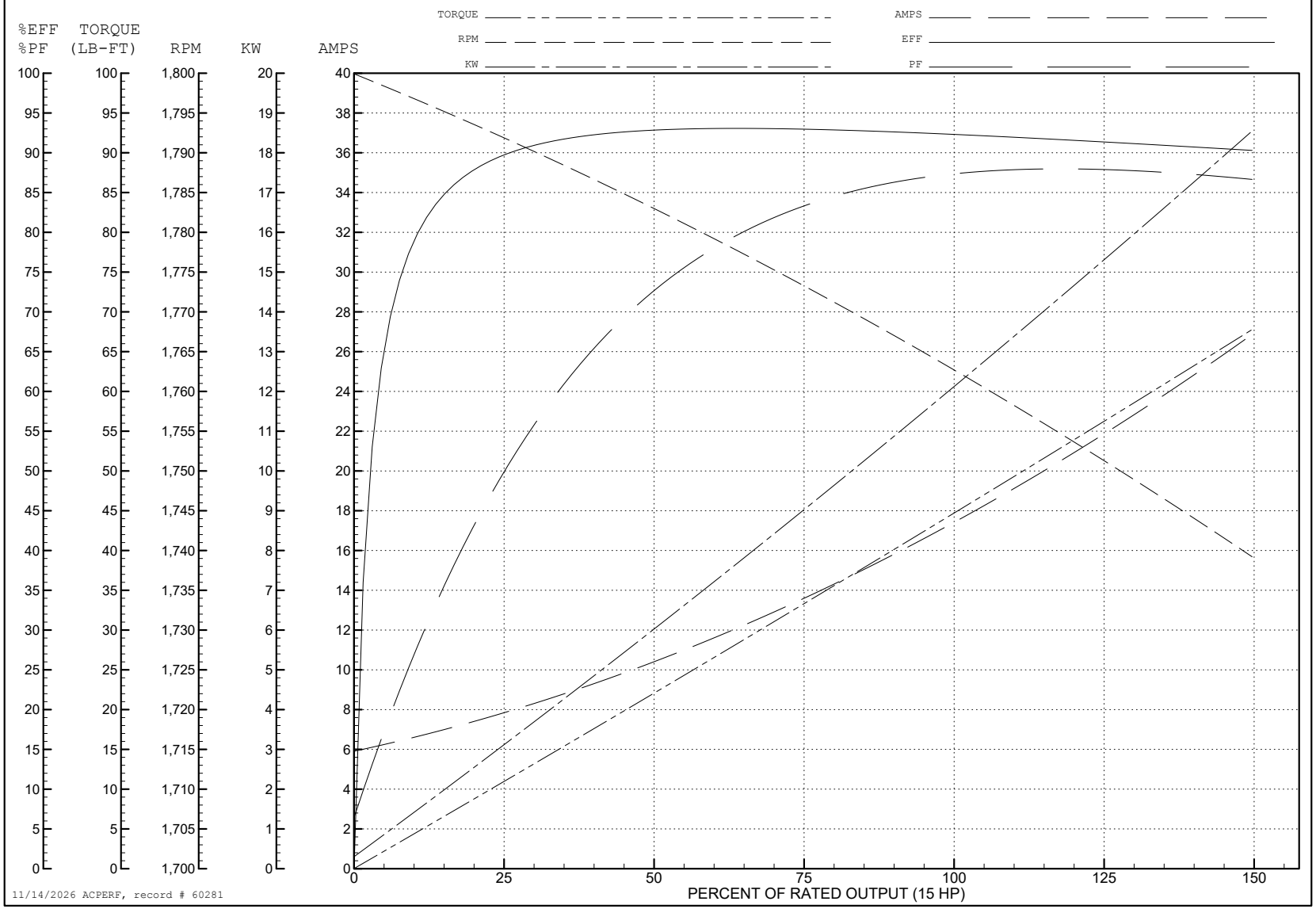
ABB Motors and Mechanical Inc.

WINDING # 09WGZ997

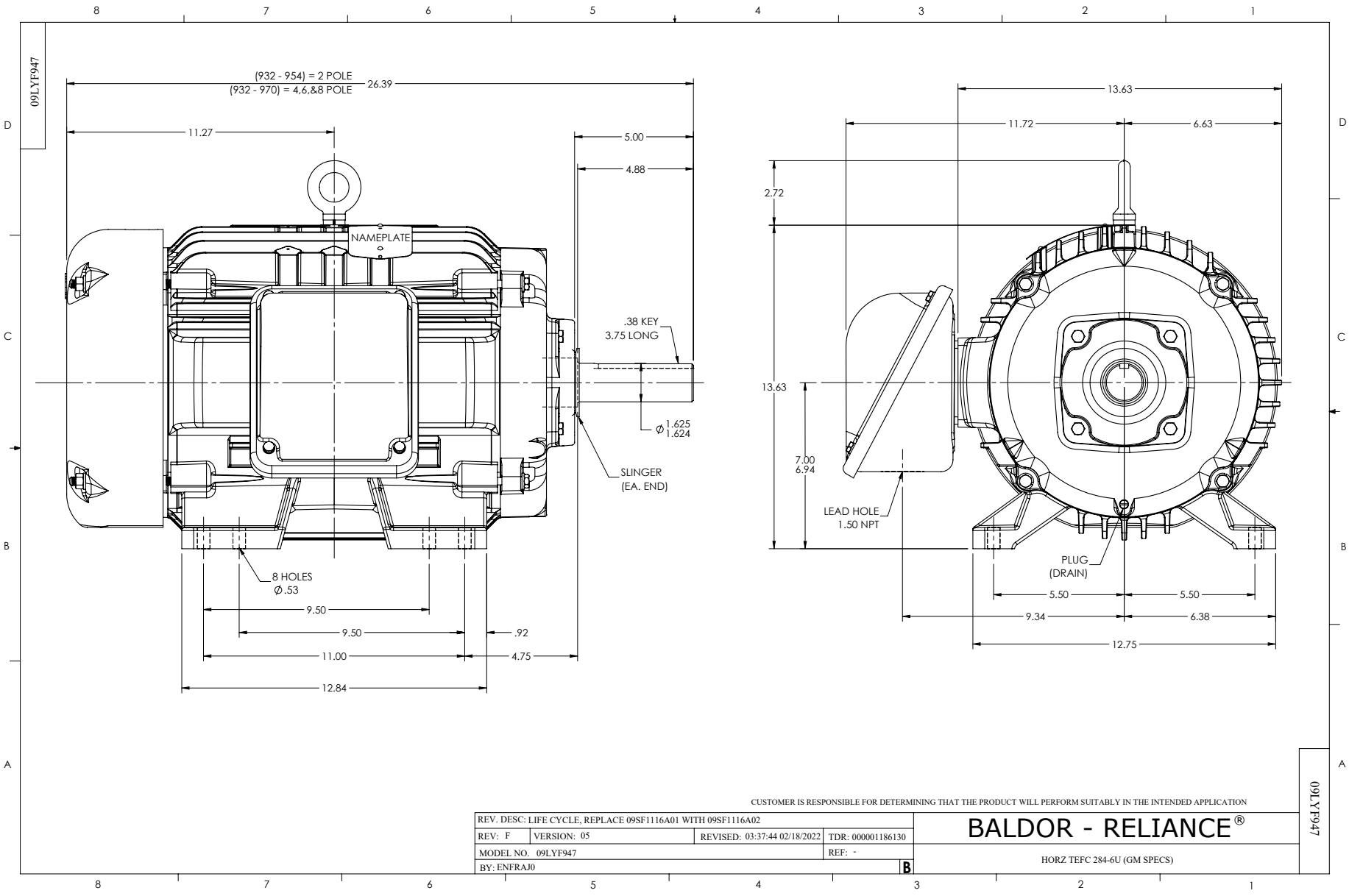
15 HP 3 PH 60 HZ 1760 RPM 460 V 0944M

TORQUES(LB-FT): PO=163 PU=53.3 LR=73.2 LRA=108

Typical performance - not guaranteed values.

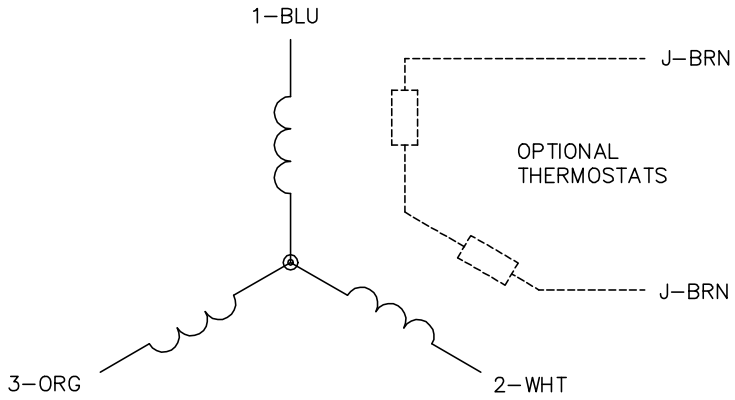


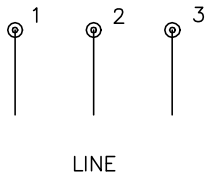

11/14/2026 ACPERF, record # 60281


09LYF947
(932 - 954) = 2 POLE
(932 - 970) = 4,6,&8 POLE
26.39
11.27
5.00
4.88
NAMEPLATE
.38 KEY
3.75 LONG
Ø 1.625
1.624
SLINGER
(EA. END)
8 HOLES
Ø .53
9.50
9.50
.92
11.00
4.75
12.84
13.63
11.72
6.63
2.72
13.63
7.00
6.94
LEAD HOLE
1.50 NPT
PLUG
(DRAIN)
5.50
5.50
9.34
6.38
12.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LIFE CYCLE, REPLACE 09SF1116A01 WITH 09SF1116A02
REV: F
VERSION: 05
REVISED: 03:37:44 02/18/2022
TDR: 000001186130
MODEL NO. 09LYF947
REF: -
BY: ENFRAJ0
B
BALDOR - RELIANCE®
HORZ TEFC 284-6U (GM SPECS)
09LYF947

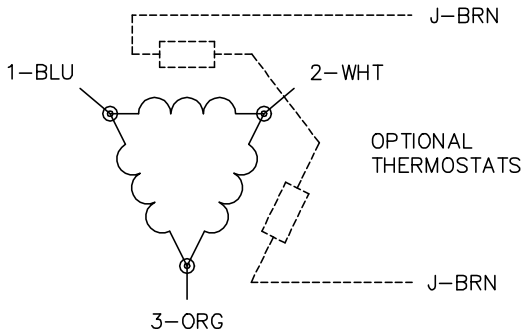
CD0006

TYPICAL WYE–CONNECTED MOTOR




TYPICAL DELTA–CONNECTED MOTOR




NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

| | | |
|---|---|---|
| REV. DESC: ADD CLASS CONN00000007 | | |
| REV. LTR: E | VERSION: 01 | TDR: 000001099922 |
| FILE: \AAA\00005\141 | REVISED: 10:24:49 02/19/2019 | BY: ENBRIR0 |
| MTL: – | | |

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1