# Customer information packet

## EM2511T-G

10HP, 1180RPM, 3PH, 60HZ, 256T, 3954M, OPSB, F1
Class -
Division - Not Applicable

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11/19/2026 7:02:47 AM

## Specifications

| | |
|---|---|
| **Enclosure** | OPSB |
| **Frame** | 256T |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 10.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| **Agency Approvals** | CSA EEV |
| | UR |
| | CSA |
| **Ambient Temperature** | 40 °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** | 14.300 A @ 460.0 V |
| | 28.600 A @ 230.0 V |
| | 30.000 A @ 208.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 91.7 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |

## Part Detail

| | |
|---|---|
| **Revision** | Y |
| **Type** | AC |
| **Mech. spec.** | 39E366 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 39WGW950 |
| **Layout** | 39LYE366 |
| **Eff. date** | 04-09-2026 |
| **CD Diagram** | CD0180 |
| **Poles** | 06 |
| **Leads** | 9#12 |
| **Proprietary** | False |
| **Created date** | 11-29-2011 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 14.3 a |
| **Insulation Class** | H |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | J |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 9 @ 12 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3954M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 23.19 IN |
| **Power Factor** | 71 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.625 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1180 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**

| NP1259LUA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | EM2511T-G | | | | | | | | | |
| **SPEC.** | 39E366W950G1 | | | | | | | | | |
| **HP** | 10 | | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | | |
| **AMPS** | 28.6/14.3 | | | | | | | | | |
| **R.P.M.** | 1180 | | | | | | | | | |
| **FRAME** | 256T | **HZ** | 60 | | | **PH** | 3 | | | |
| **SER.F.** | 1.15 | **CODE** | J | **DES** | A | **CLASS** | H | | | |
| **NEMA NOM. EFF.** | 91.7 | **P.F.** | 71 | | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | |
| **CC** | 010A | | | | | | | | | |
| **DE** | 6309 | **ODE** | 6208 | | | | | | | |
| **ENCL** | OPSB | **SN** | | | | | | | | |
| **USABLE AT** | 50HZ 10HP 190/380V 33.4/16.7A | | | | | | | | | SF1.0 |

**AC Induction Motor Performance Data**
Record # 36294
Typical performance - not guaranteed values

| **Winding:** 39WGW950-R004 | **Type:** 3954M | **Enclosure:** OPSB |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 10 | **Full Load Torque** | 44.1 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 28.6/14.3 | **Breakdown Torque** | 149 LB-FT |
| **R.P.M.** | | | 1180 | **Pull-up Torque** | 55.5 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 67.6 LB-FT |
| **NEMA Design Code** | A | **KVA Code** | J | **Starting Current** | 91.6 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 7.51 A |
| **NEMA Nom. Eff.** | 91.7 | **Power Factor** | 71 | **Line-line Res. @ 25ºC** | 0.72568 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 18°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 22°C |
| | | | | **Locked-rotor Power Factor** | 25.9 |
| | | | | **Rotor inertia** | 4.34 LB-FT2 |

**Load Characteristics 460 V, 60 Hz, 10 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 34 | 53 | 64 | 70 | 73 | 74 | 72 |
| **Efficiency** | 84.5 | 90.2 | 91.8 | 92.1 | 91.8 | 91.1 | 91.9 |
| **Speed** | 1195.9 | 1191.9 | 1187.8 | 1182.8 | 1177.7 | 1171.6 | 1180 |
| **Line amperes** | 8.2 | 9.72 | 11.9 | 14.4 | 17.5 | 20.6 | 16.3 |

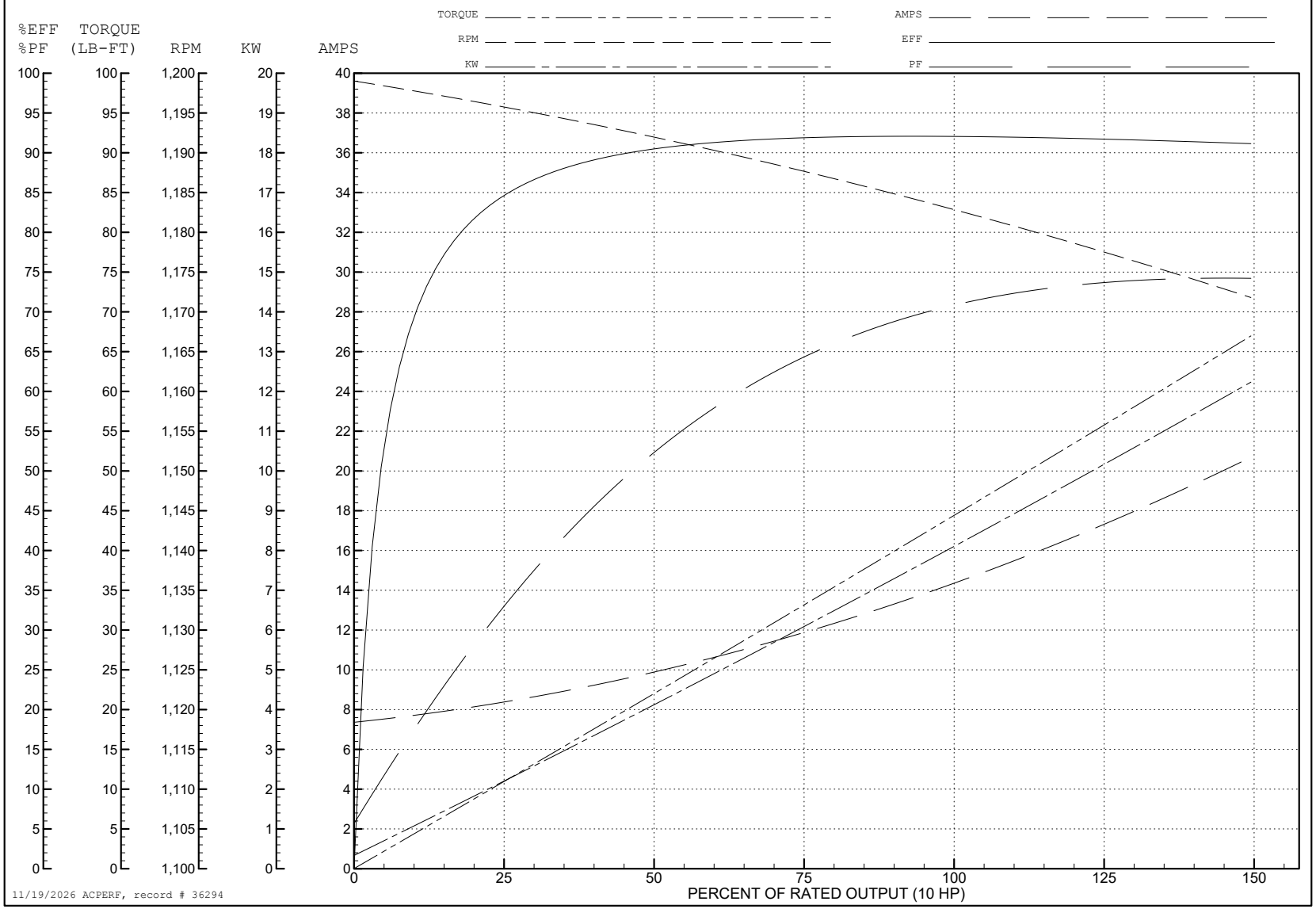
ABB Motors and Mechanical Inc.

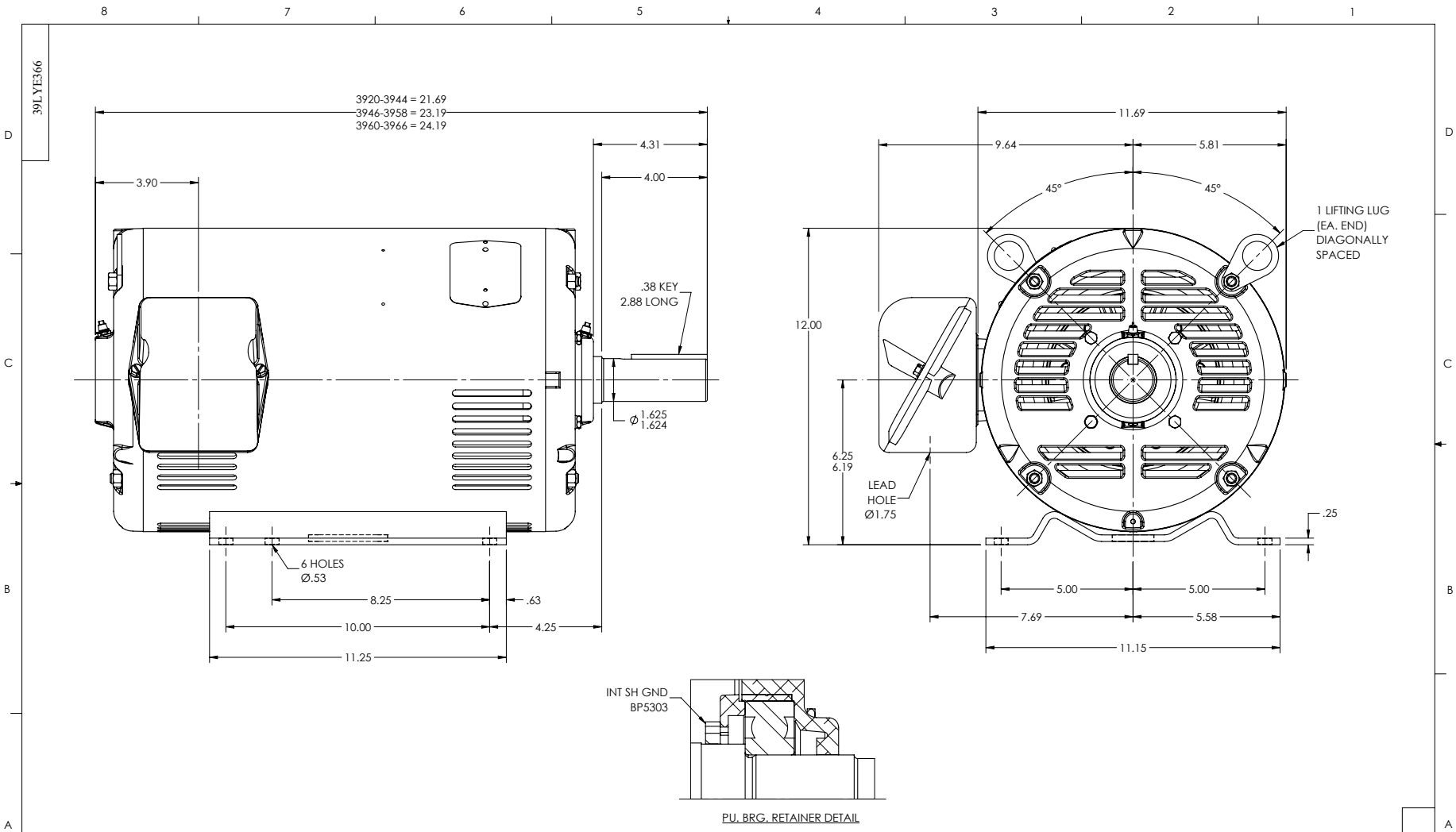
WINDING # 39WGW950

10 HP 3 PH 60 HZ 1180 RPM 460 V 3954M

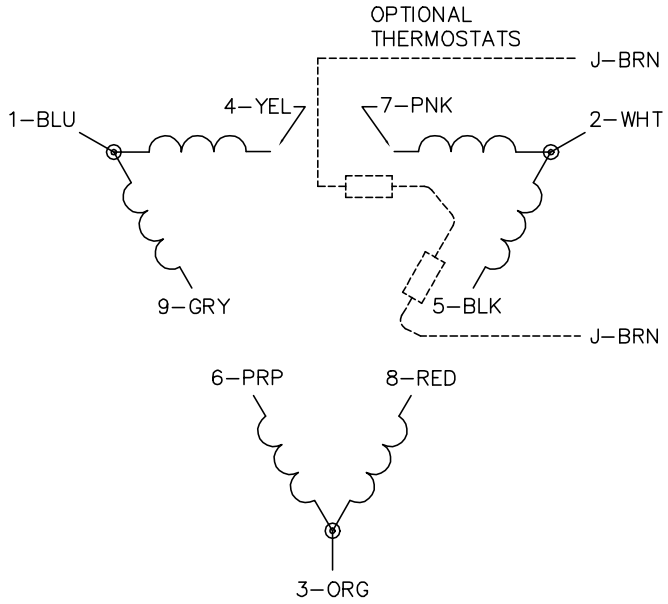
Typical performance - not guaranteed values.

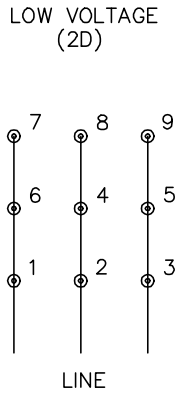
TORQUES(LB-FT): PO=149 PU=55.5 LR=67.6 LRA=91.6

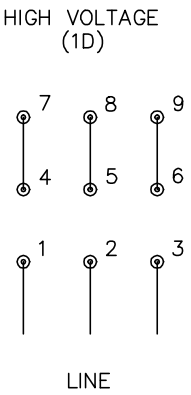



39LYE366
3920-3944 = 21.69
3946-3958 = 23.19
3960-3966 = 24.19
4.31
4.00
3.90
.38 KEY
2.88 LONG
Ø 1.625
1.624
6 HOLES
Ø.53
8.25
.63
10.00
4.25
11.25
11.69
9.64
5.81
45°
45°
1 LIFTING LUG
(EA. END)
DIAGONALLY
SPACED
12.00
6.25
6.19
LEAD
HOLE
Ø1.75
.25
5.00
5.00
7.69
5.58
11.15
INT SH GND
BP5303
PU. BRG. RETAINER DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE NP GRAPHICS TO MATCH NP USED ON CAT SPECS
REV: E
VERSION: 05
REVISED: 08:38:51 07/20/2022
TDR: 000001193922
MODEL NO. 39LYE366
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ OPSB 254-6T W/INT SH GND
39LYE366

CD0180




NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0180

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|---|---|---|
| REV. DESC: ADD CLASS CONN00000007 | | |
| REV. LTR: D | VERSION: 01 | TDR: 000001099922 |
| FILE: \AAA\00005\148 | REVISED: 10:25:29 02/19/2019 | BY: ENBRIR0 |
| MTL: – | | |

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3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1