ABB BALDOR RELIANCE

# Customer information packet

## M3543T

.75HP, 1140RPM, 3PH, 60HZ, 143T, 3428M, TEFC
Class - None
Division - Not Applicable

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11/9/2026 4:18:20 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 143T |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | .750 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 208.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | C UR US |
| **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** | 1.500 A @ 460.0 V |
| | 3.000 A @ 230.0 V |
| | 3.300 A @ 208.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 77.0 % |
| **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** | V |
| **Type** | AC |
| **Mech. spec.** | 34-3484 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 34WGW012 |
| **Layout** | 34LY3484 |
| **Eff. date** | 11-06-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 01-01-0001 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 1.5 a |
| **Insulation Class** | B |
| **Inverter Code** | Not Inverter |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3428M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 13.41 IN |
| **Power Factor** | 59 |
| **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** | 0.875 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1140 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**

| NP1256L | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | M3543T | | | | | | | | |
| **SPEC.** | 34-3484W12 | | | | | | | | |
| **HP** | .75 | | | | | | | | |
| **VOLTS** | 208-230/460 | | | | | | | | |
| **AMP** | 3.3-3/1.5 | | | | | | | | |
| **RPM** | 1140 | | | | | | | | |
| **FRAME** | 143T | **HZ** | 60 | | | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | K | **DES** | B | **CLASS** | B | | |
| **NEMA-NOM-EFF** | 77 | **PF** | 59 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | | | | | | | | | |
| **DE** | 6205 | **ODE** | 6203 | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| | SFA 3.5-3.2/1.6 | | | | | | | | |

**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| 34-3903T | C FACE KIT | A8 |

**AC Induction Motor Performance Data**
Record # 6846
Typical performance - not guaranteed values

| **Winding:** 34WGW012-R001 | **Type:** 3428M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | .75 | **Full Load Torque** | 3.4 LB-FT |
| **Volts** | | | 208-230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 3.3-3/1.5 | **Breakdown Torque** | 11.8 LB-FT |
| **R.P.M.** | | | 1140 | **Pull-up Torque** | 9.3 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 9.7 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | K | **Starting Current** | 7.4 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.1 A |
| **NEMA Nom. Eff.** | 77 | **Power Factor** | 59 | **Line-line Res. @ 25ºC** | 21.9 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 62°C |
| **S.F. Amps** | | | 3.5-3.2/1.6 | **Temp. Rise @ S.F. Load** | 75°C |

**Load Characteristics 460 V, 60 Hz, 0.75 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 26 | 40 | 51 | 59 | 65 | 68 | 63 |
| **Efficiency** | 60 | 72 | 76 | 77 | 75 | 73 | 76 |
| **Speed** | 1185 | 1170 | 1155 | 1135 | 1115 | 1095 | 1125 |
| **Line amperes** | 1.1 | 1.2 | 1.4 | 1.5 | 1.7 | 2 | 1.6 |

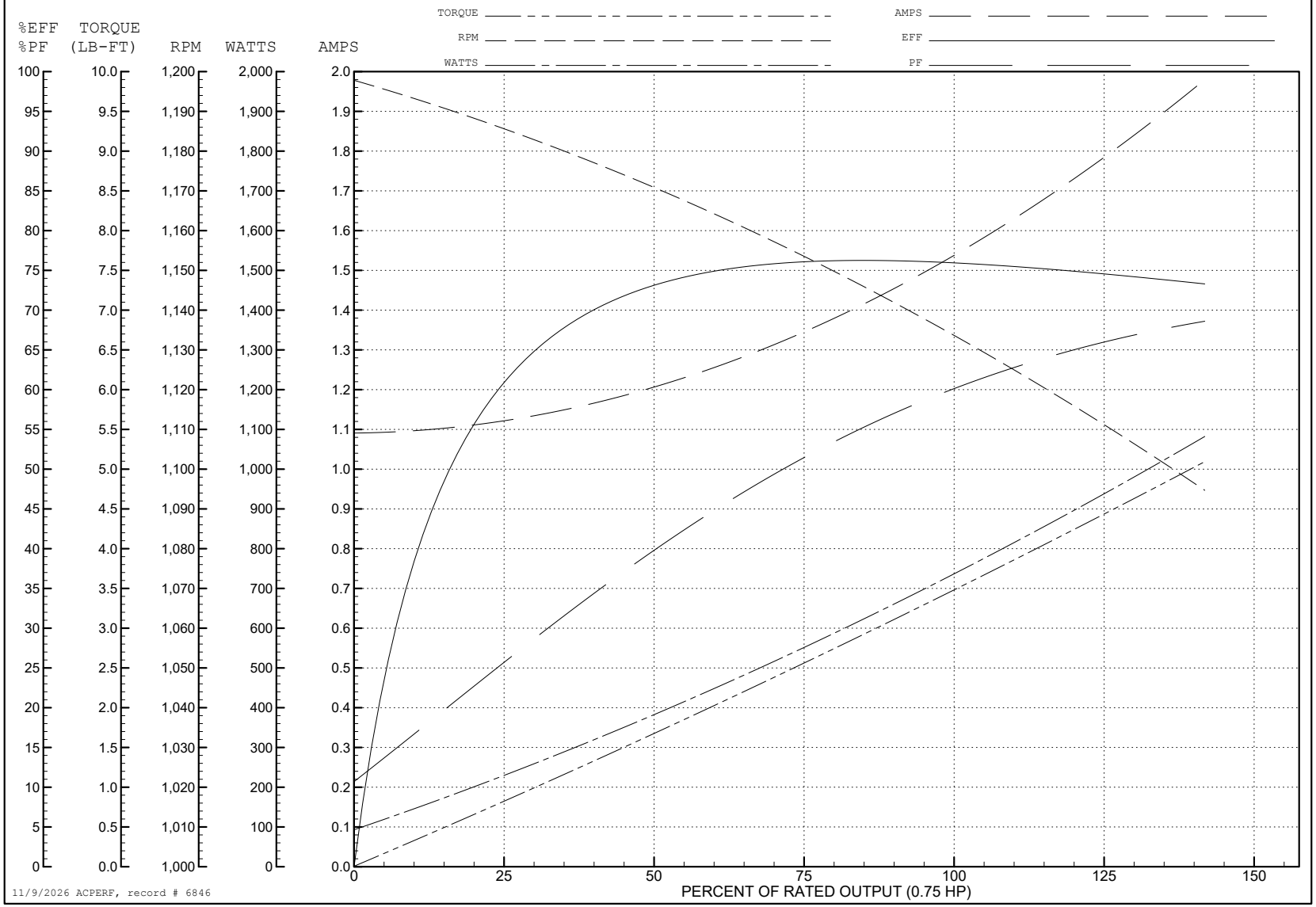
ABB Motors and Mechanical Inc.

WINDING # 34WGW012

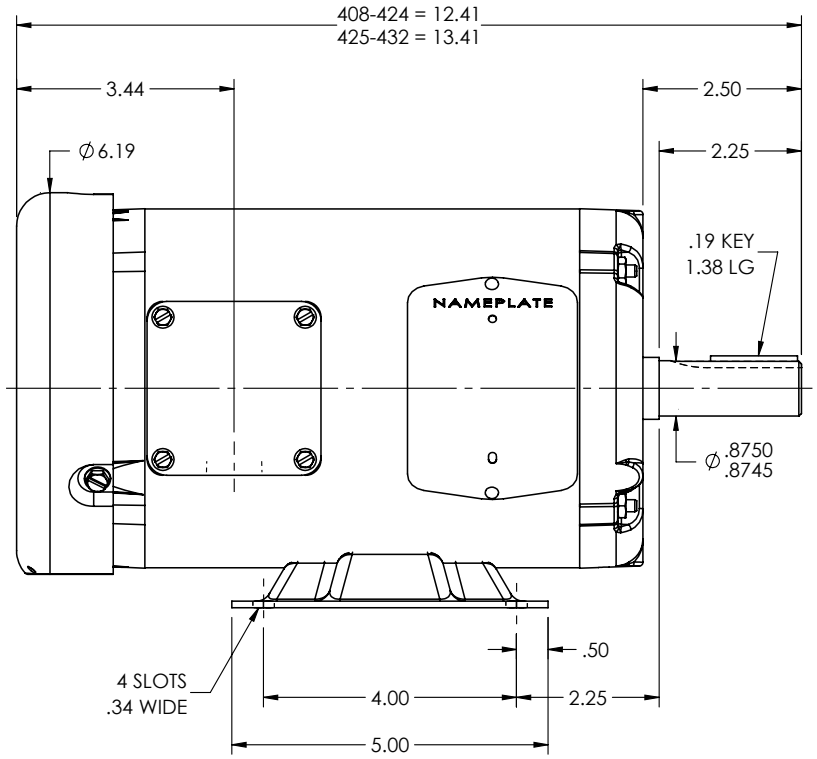
0.75 HP 3 PH 60 HZ 1140 RPM 460 V 3428M

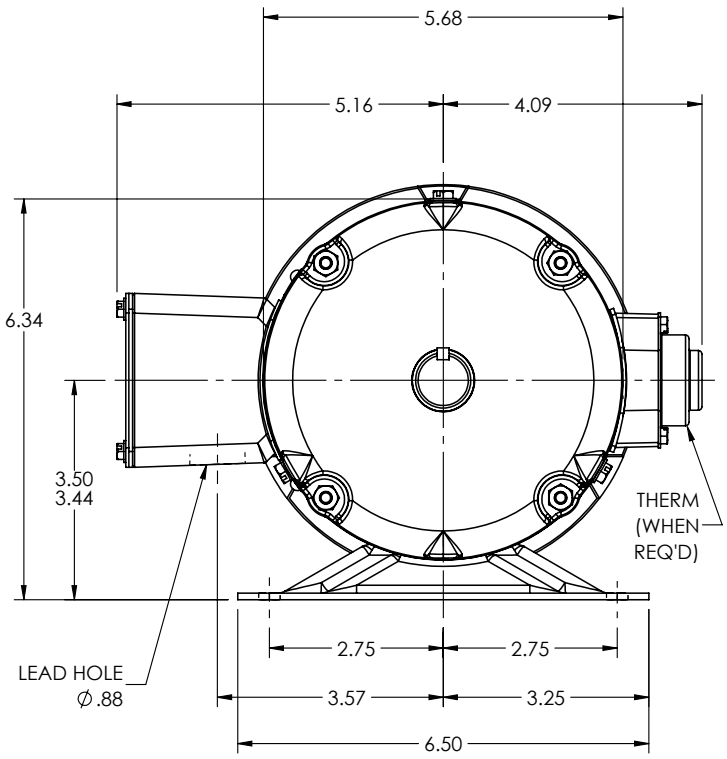
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=11.8 PU=9.3 LR=9.7 LRA=7.4



34LY3484




CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

| | | | |
|---|---|---|---|
| REV. DESC: CLEAN UP DIMENSIONING | | | |
| REV: H | VERSION: 03 | REVISED: 09:27:32 08/13/2026 | TDR: 000001282764 |
| MODEL NO. 34LY3484 | | | REF: - |
| BY: ENJEFD0 | | | |

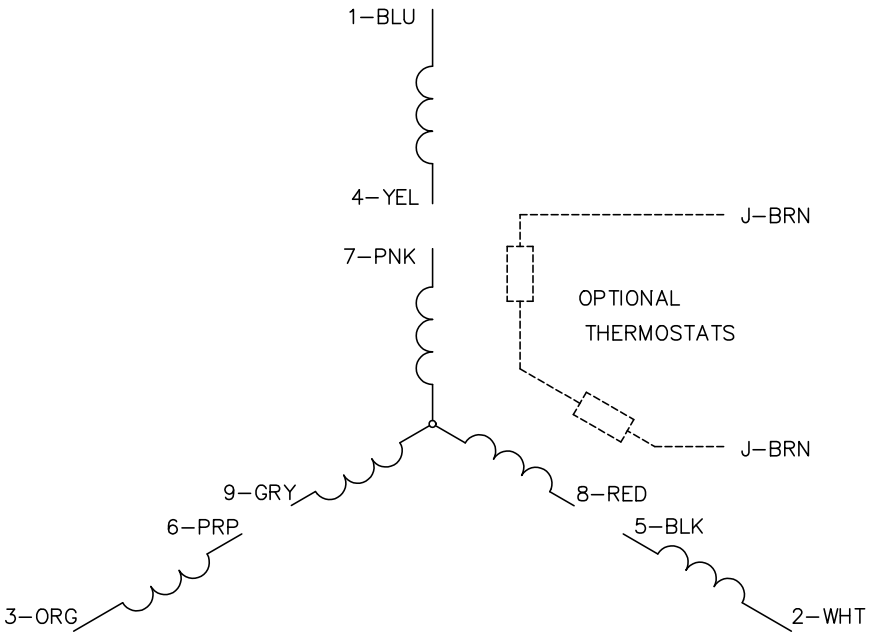
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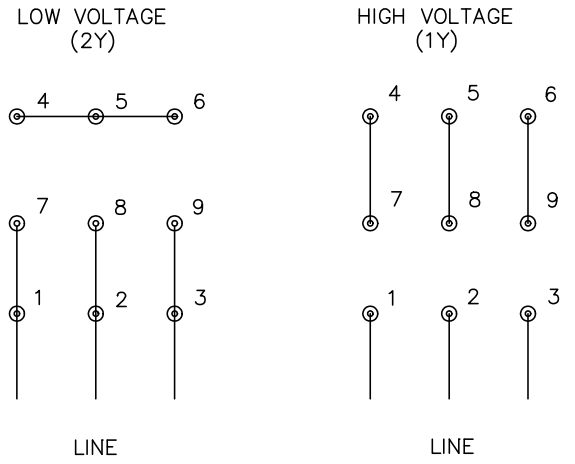
STD HORZ MODEL 34M NEMA 143T TEFC

34LY3484

34LY3484

CD0005




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.

CD0005

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| CD0005 | | FILE: AAA00005140 | MDL: – |
| | | MTL: – | 3PH, DV, 9 LEADS |