ABB BALDOR RELIANCE

# Customer information packet

KNM3534

.33HP, 1725RPM, 3PH, 60HZ, 56C, 3416M, TENV, F1
Class - None
Division - Not Applicable

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11/22/2026 10:36:06 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TENV |
| **Frame** | 56C |
| **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** | .330 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| | 208.0 V @ 60 HZ |
| | 230.0 V @ 60 HZ |
| **Agency Approvals** | C UR US |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | No Mounting |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | .700 A @ 460.0 V |
| | 1.400 A @ 230.0 V |
| | 1.500 A @ 208.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 70.0 % |
| **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** | X |
| **Type** | AC |
| **Mech. spec.** | 34K013 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 34WG0116 |
| **Layout** | 34LYK013 |
| **Eff. date** | 10-28-2024 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 01-01-0001 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 0.7 a |
| **Insulation Class** | B |
| **Inverter Code** | Not Inverter |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | 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** | 3416M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 10.25 IN |
| **Power Factor** | 64 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **Service Factor** | 1.00 |
| **Shaft Diameter** | 0.625 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1725 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.** | KNM3534 | | | | | | | | |
| **SPEC.** | 34K13-116 | | | | | | | | |
| **HP** | .33 | | | | | | | | |
| **VOLTS** | 208-230/460 | | | | | | | | |
| **AMP** | 1.5-1.4/.7 | | | | | | | | |
| **RPM** | 1725 | | | | | | | | |
| **FRAME** | 56C | | **HZ** | 60 | | | **PH** | 3 | |
| **SER.F.** | 1.00 | **CODE** | K | **DES** | B | **CLASS** | | B | |
| **NEMA-NOM-EFF** | 70 | **PF** | 64 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | | | | | | | | | |
| **DE** | 6203 | | **ODE** | 6203 | | | | | |
| **ENCL** | TENV | **SN** | | | | | | | |

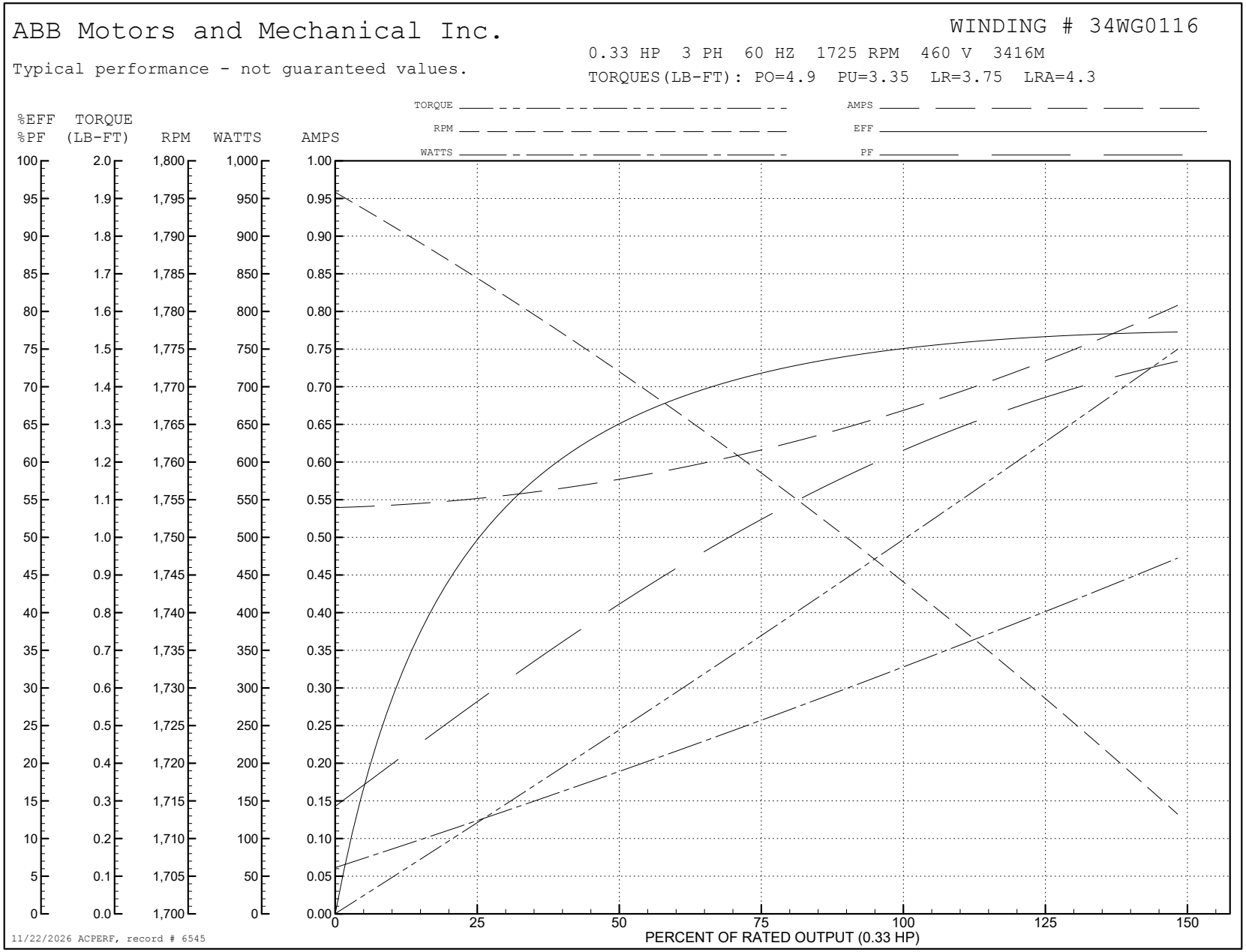
**AC Induction Motor Performance Data**
Record # 6545
Typical performance - not guaranteed values

| **Winding:** 34WG0116-R001 | **Type:** 3416M | **Enclosure:** TENV |
|---|---|---|

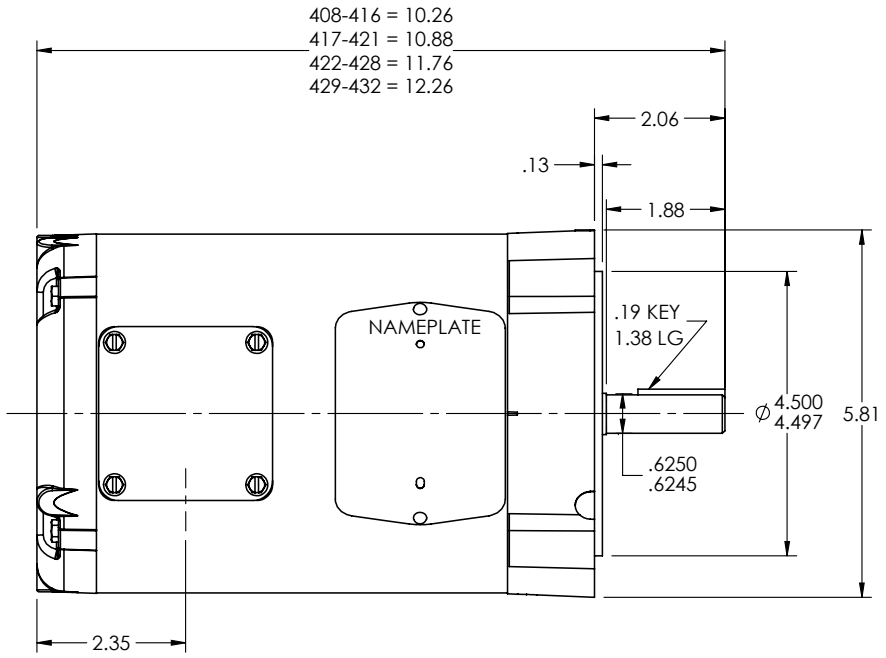
| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | .33 | **Full Load Torque** | 1 LB-FT |
| **Volts** | | | 208-230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 1.5-1.4/.7 | **Breakdown Torque** | 4.9 LB-FT |
| **R.P.M.** | | | 1725 | **Pull-up Torque** | 3.35 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 3.75 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | K | **Starting Current** | 4.3 A |
| **Service Factor (S.F.)** | | | 1 | **No-load Current** | 0.54 A |
| **NEMA Nom. Eff.** | 70 | **Power Factor** | 64 | **Line-line Res. @ 25ºC** | 39.4 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 60°C |

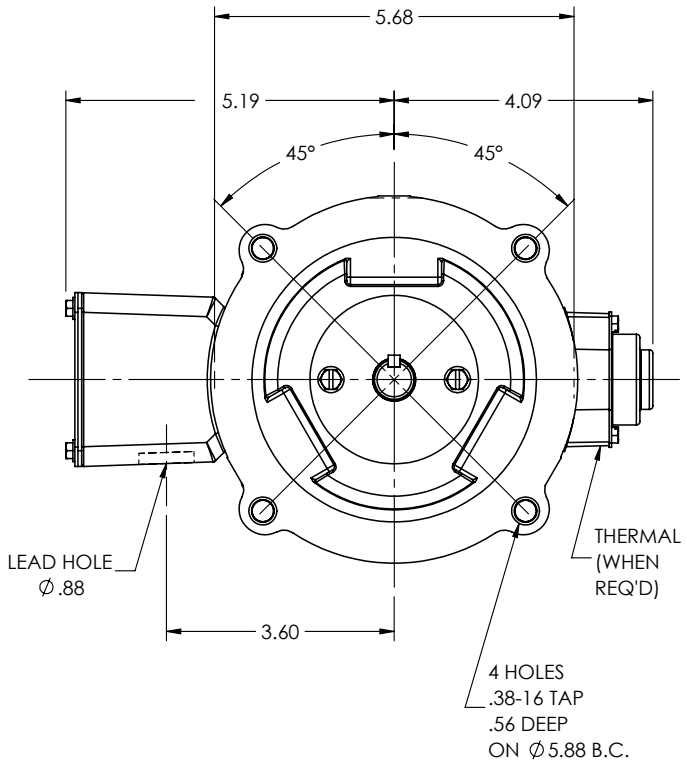
**Load Characteristics 460 V, 60 Hz, 0.33 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** |
|---|---|---|---|---|---|---|
| **Power Factor** | 28 | 41 | 52 | 61 | 68 | 73 |
| **Efficiency** | 50 | 65 | 72 | 75.5 | 77 | 77 |
| **Speed** | 1784 | 1771 | 1758 | 1744 | 1729 | 1713 |
| **Line amperes** | 0.55 | 0.58 | 0.62 | 0.67 | 0.73 | 0.81 |


ABB Motors and Mechanical Inc.
WINDING # 34WG0116
Typical performance - not guaranteed values.
0.33 HP 3 PH 60 HZ 1725 RPM 460 V 3416M
TORQUES(LB-FT): PO=4.9 PU=3.35 LR=3.75 LRA=4.3
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
100 95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0
2.0 1.9 1.8 1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0
1,800 1,795 1,790 1,785 1,780 1,775 1,770 1,765 1,760 1,755 1,750 1,745 1,740 1,735 1,730 1,725 1,720 1,715 1,710 1,705 1,700
1,000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100 50 0
1.00 0.95 0.90 0.85 0.80 0.75 0.70 0.65 0.60 0.55 0.50 0.45 0.40 0.35 0.30 0.25 0.20 0.15 0.10 0.05 0.00
0 25 50 75 100 125 150
PERCENT OF RATED OUTPUT (0.33 HP)
11/22/2026 ACPERF, record # 6545

34LYK013




34LYK013

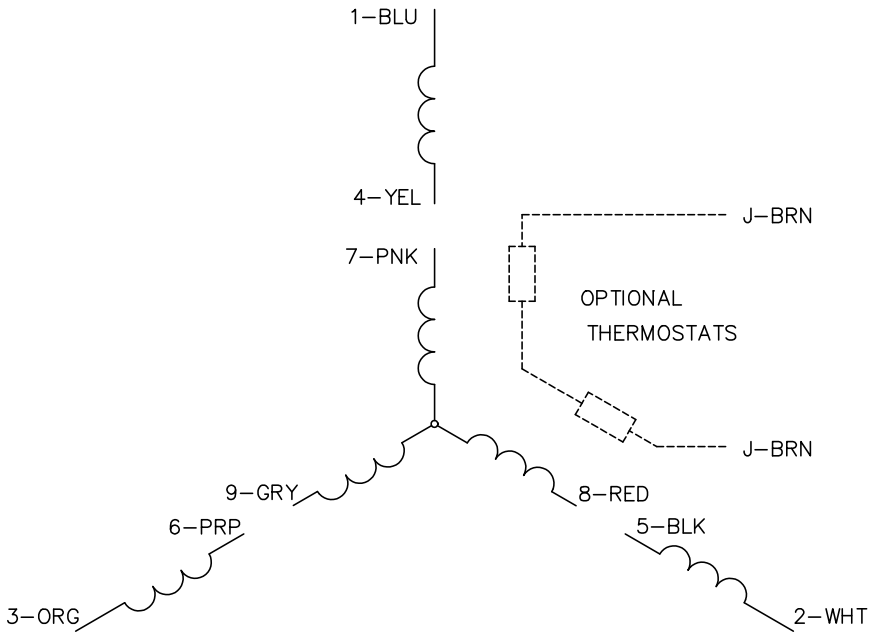
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

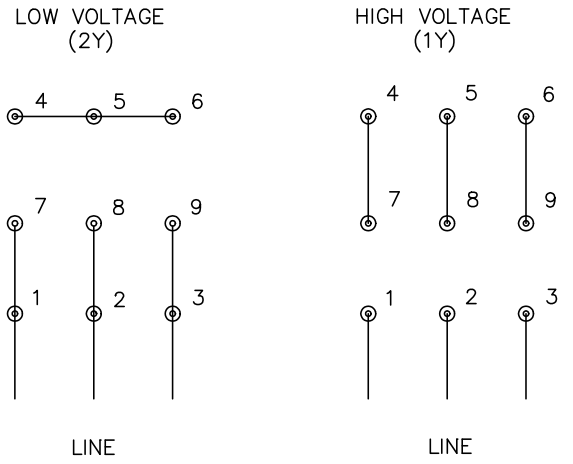
| | | | |
|---|---|---|---|
| REV. DESC: LOAD - REV E | | | |
| REV: F | VERSION: 03 | REVISED: 10:58:09 09/22/2022 | TDR: 000001194274 |
| 34LYK013 | MODEL NO. 34LYK013 | | REF: - |
| | BY: ENFRAJ0 | | |

BALDOR - RELIANCE®

STD VERT 34M NEMA 56C TENV

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 |