ABB BALDOR RELIANCE

# Customer information packet

ECS101M0H15FF4

15HP, 1800RPM, 3PH, 60HZ, 215T, TEFC, N
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/5/2026 9:23:53 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 215T |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | None |
| **Haz Area Division** | Not Applicable |
| **Motor Letter Type** | Three Phase |
| **Phase** | 3 |
| **Agency Approvals** | WEEE |
| | UL |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Constant Torque Speed Range** | 30 |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Duty |
| **IP Rating** | NONE |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 12 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3760B |
| **Mounting Arrangement** | F1 |

## Part Detail

| | |
|---|---|
| **Revision** | Z |
| **Type** | AC |
| **Mech. spec.** | 37Q435 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 37WGL002 |
| **Layout** | 37LYQ435 |
| **Eff. date** | 10-15-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#12 |
| **Proprietary** | False |
| **Created date** | 12-12-2018 |

| | |
|---|---|
| **Number of Poles** | 4 |
| **Overall Length** | 21.96 IN |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **Shaft Diameter** | 1.375 IN |
| **Shaft Ground Indicator** | Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed Code** | Single Speed |
| **Starting Method** | INVERTER SPECIAL |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

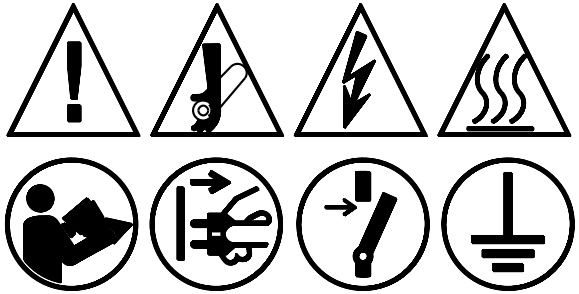
# BALDOR·RELIANCE

## EC-Titanium™

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAT. NO. | ECS101M0H15FF4 | | | | | | |
| SPEC. | 37Q435L002G1 | | | | YR | *** | |
| FRAME | 215T | | ENCL. | TEFC | IP54 | | |
| HP | 15 | RATING | 40C AMB-CONT | | | | |
| NOM. EFF. | 95.6% | PF | 97.2% | SF | 1.50 | | |
| VOLTS | 230/460 | | FLA | 35.5/17.75 | | | |
| RPM | 1800 | | RPM MAX | 3000 | | | |
| HZ | 60 | | PH. | 3 | CLASS | F | |
| BEMF (V) | 117/234 | | Rs (Ω) | 0.12/0.50 | | | |
| Ld (mH) | 3.4/13.5 | | Lq (mH) | 10.6/42.2 | | | |
| INV TYP | VPWM | CHP | 60 TO 100 HZ | | | | |
| | CT | 6 TO 60 HZ | VT | 6 TO 100 HZ | | | |
| MATCHED INV | ACS380-04XX-[N/A]/25A0-4 | | | | | | |
| BEARING | DE | 6307 | ODE | 6206 | | | |
| SERIAL# | *** | | | | | | |

ELECTRIC MOTOR FOR INDUSTRIAL USE

FERRITE ASSISTED
SYNCHRONOUS RELUCTANCE MOTOR
FOR INVERTER USE ONLY



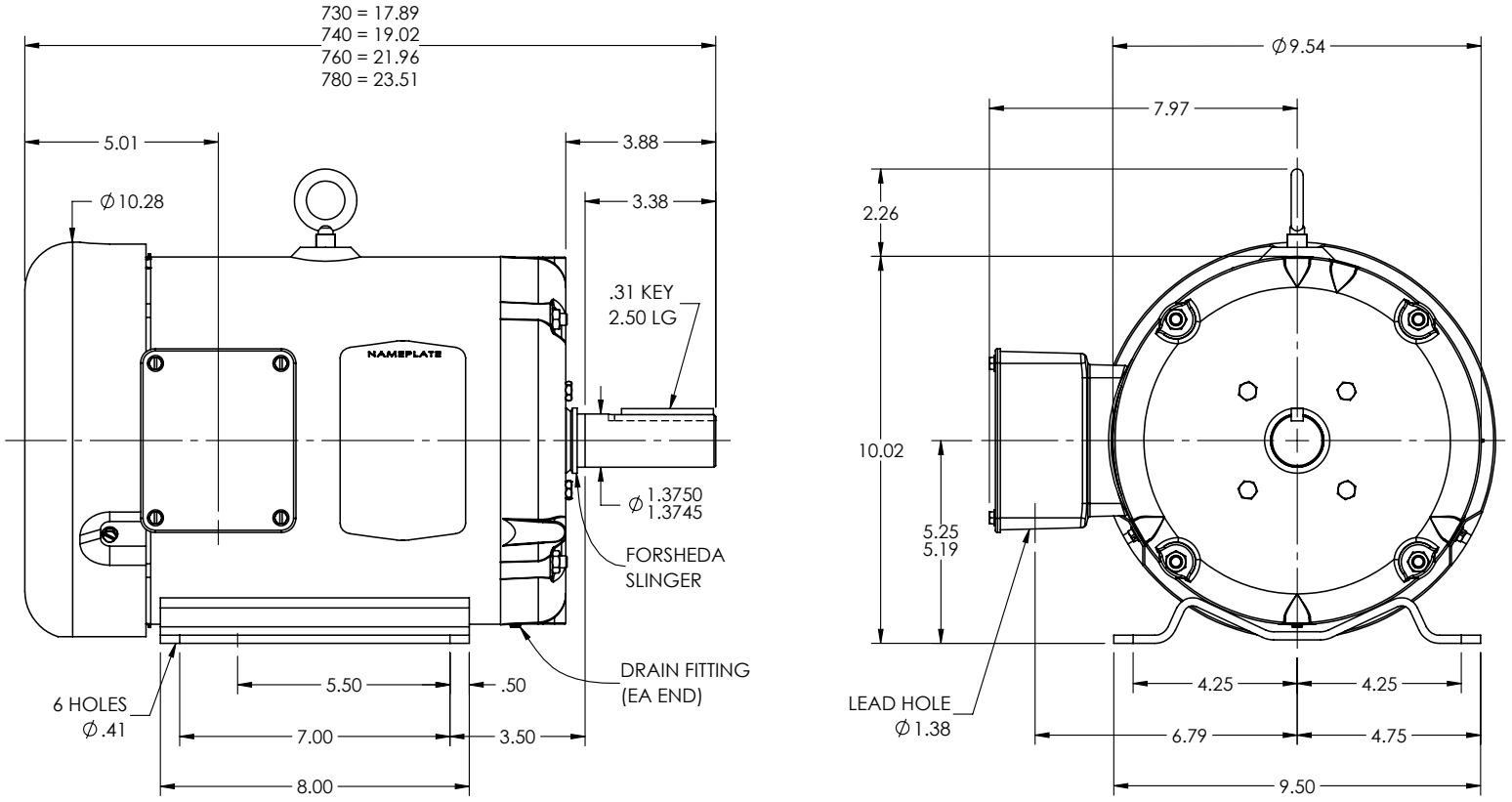
PERMANENT MAGNET MOTOR. WHEN SHAFT IS ROTATED, VOLTAGE WILL BE GENERATED AT THE MOTOR TERMINALS.
MOTEUR Á AIMANT PERMANENT. LORSQUE L'ARBRE TOURNE, UNE TENSION SERA GÉNÉRÉE AUX BORNES DU MOTEUR.

BALDOR-RELIANCE
SHAFT GROUNDING BRUSH INSTALLED

c UL us LISTED
E46145

ABB MOTORS AND MECHANICAL INC.
5711 R.S. BOREHAM JR. ST., FORT SMITH, AR. MFG IN U.S.A.

37LYQ435



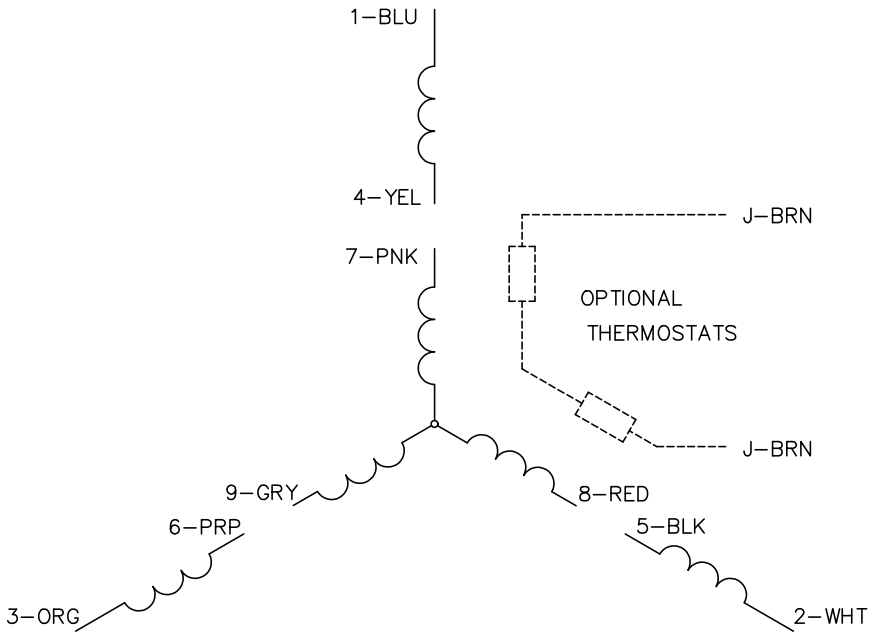

| | | | |
|---|---|---|---|
| REV. DESC: CHG'D TO 37GS1000, 37GS1008 | | | |
| REV: J | VERSION: 09 | REVISED: 09:27:18 06/05/2025 | TDR: 000001256072 |
| 37LYQ435 | MODEL NO. 37LYQ435 | | REF: - |
| | BY: USEROLI | | |

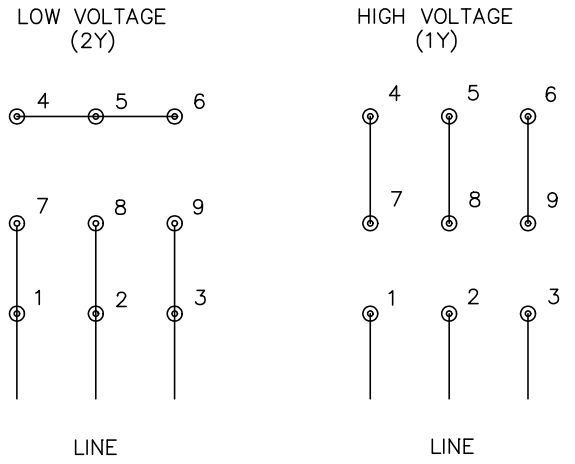
BALDOR - RELIANCE®

HOR 213-5T TEFC B INT SH GND ECS

37LYQ435

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 |