ABB BALDOR RELIANCE

# Customer information packet

M2332

10HP, 1175RPM, 3PH, 60HZ, 284U, 0946M, TEFC, F1
Class - None
Division - Not Applicable

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## 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** | 10.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1200 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | CSA |
| | UR |
| **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** | 37.000 A @ 208.0 V |
| | 28.800 A @ 230.0 V |
| | 14.400 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 89.5 % |
| **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** | J |
| **Type** | AC |
| **Mech. spec.** | 09F608 |
| **Base** | |
| **Status** | INA/A |
| **Elec. spec.** | 09WGX829 |
| **Layout** | 09LYF608 |
| **Eff. date** | 09-01-2020 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#12 |
| **Proprietary** | False |
| **Created date** | 04-28-2010 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 14.4 a |
| **Insulation Class** | F |
| **Inverter Code** | Not Inverter |
| **KVA Code** | H |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | 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** | 0946M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 26.34 IN |
| **Power Factor** | 73 |
| **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** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1175 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.** | | | | | | | | | |
| **SPEC.** | 09F608X829H2 | | | | | | | | |
| **HP** | 10 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMP** | 28.8/14.4 | | | | | | | | |
| **RPM** | 1175 | | | | | | | | |
| **FRAME** | 284U | **HZ** | 60 | | | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | H | **DES** | B | **CLASS** | F | | |
| **NEMA-NOM-EFF** | 89.5 | **PF** | 73 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | | | | | | |
| **DE** | 6311 | **ODE** | 6208 | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |

**Accessories**

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

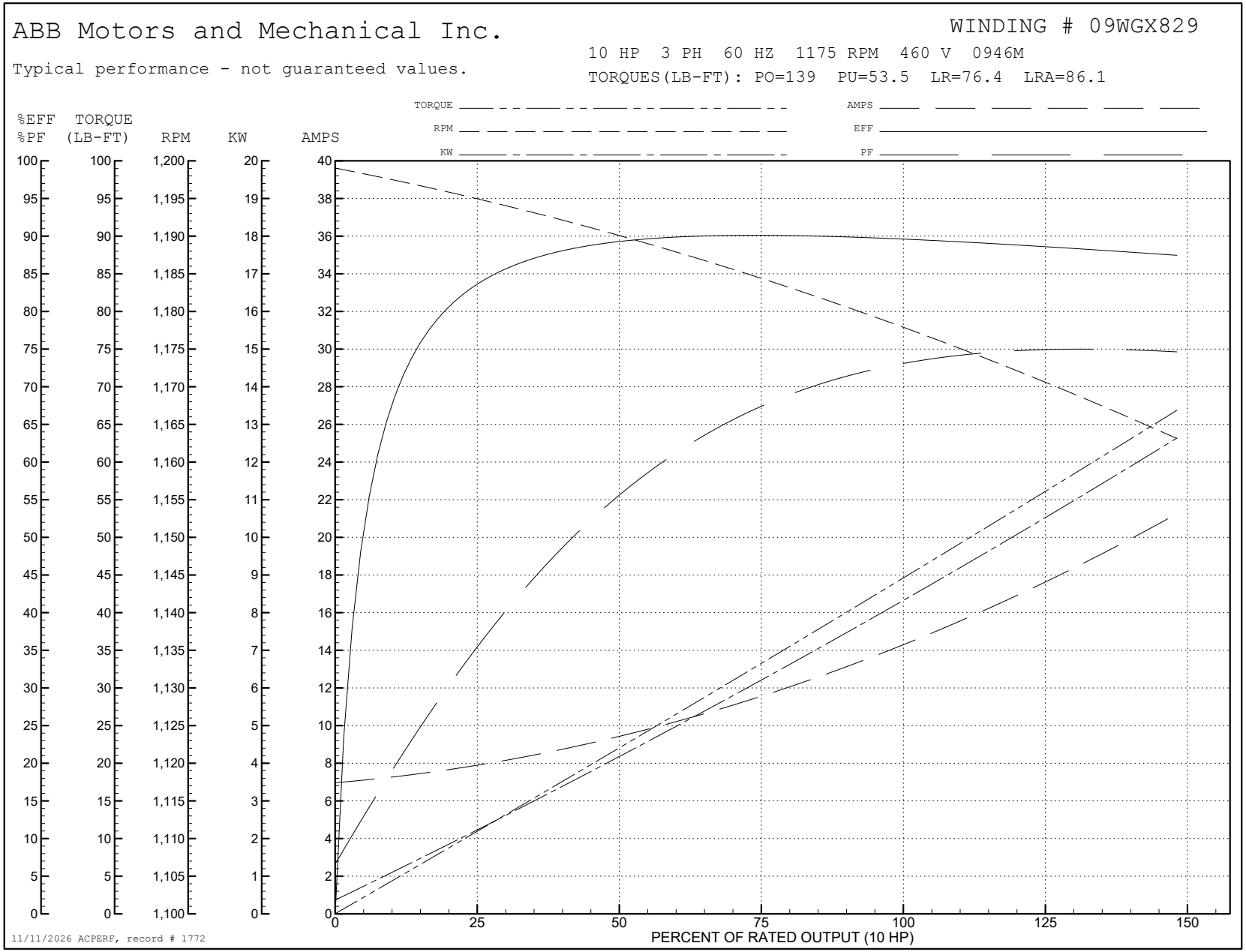
**AC Induction Motor Performance Data**
Record # 1772
Typical performance - not guaranteed values

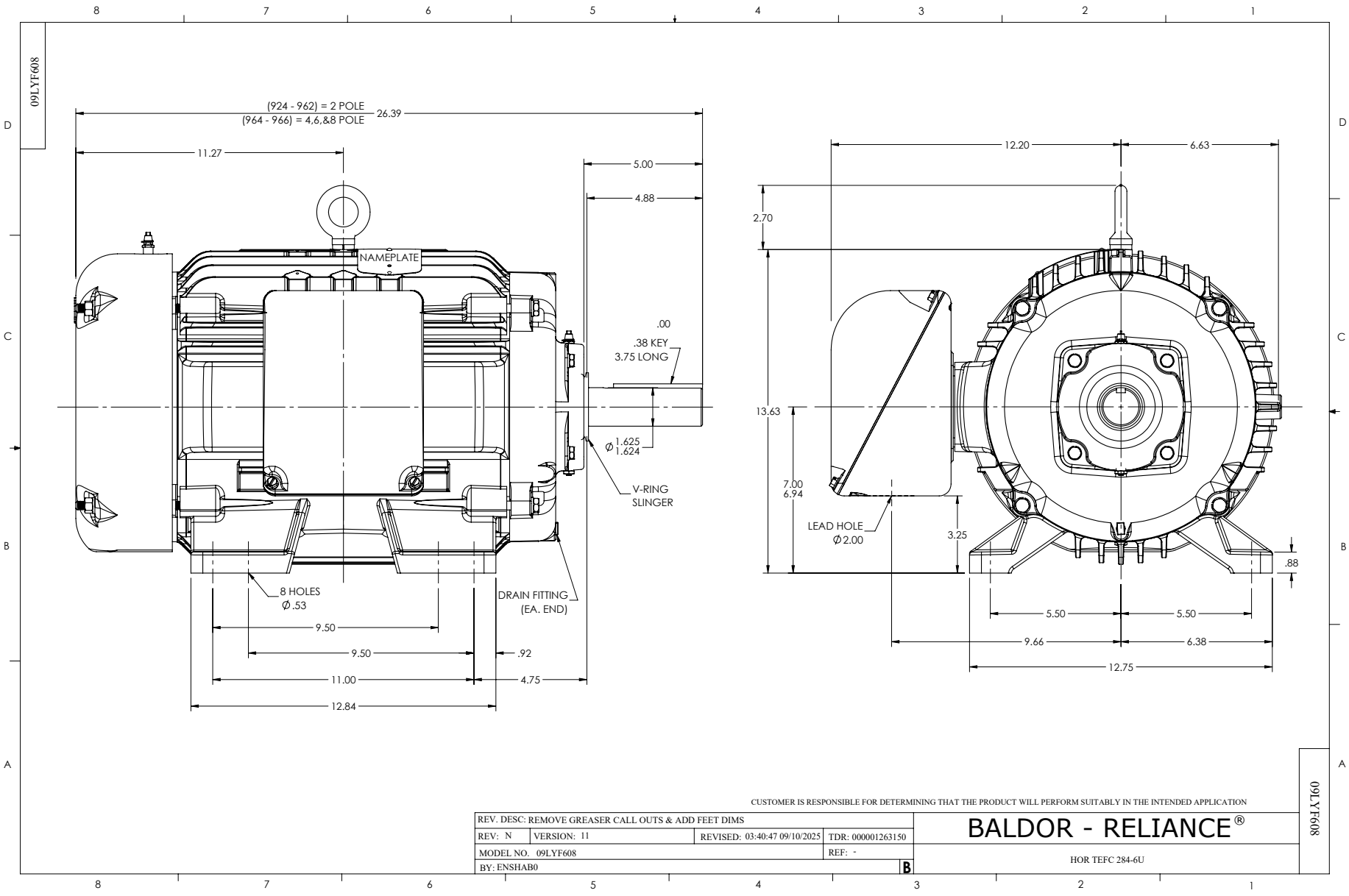
| **Winding:** 09WGX829-R001 | **Type:** 0946M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 10 | **Full Load Torque** | 44.6 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 28.8/14.4 | **Breakdown Torque** | 139 LB-FT |
| **R.P.M.** | | | 1175 | **Pull-up Torque** | 53.5 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 76.4 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | H | **Starting Current** | 86.1 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 7.04 A |
| **NEMA Nom. Eff.** | 89.5 | **Power Factor** | 73 | **Line-line Res. @ 25ºC** | 0.83 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 50°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 67°C |
| | | | | **Locked-rotor Power Factor** | 26 |
| | | | | **Rotor inertia** | 3.7 LB-FT2 |

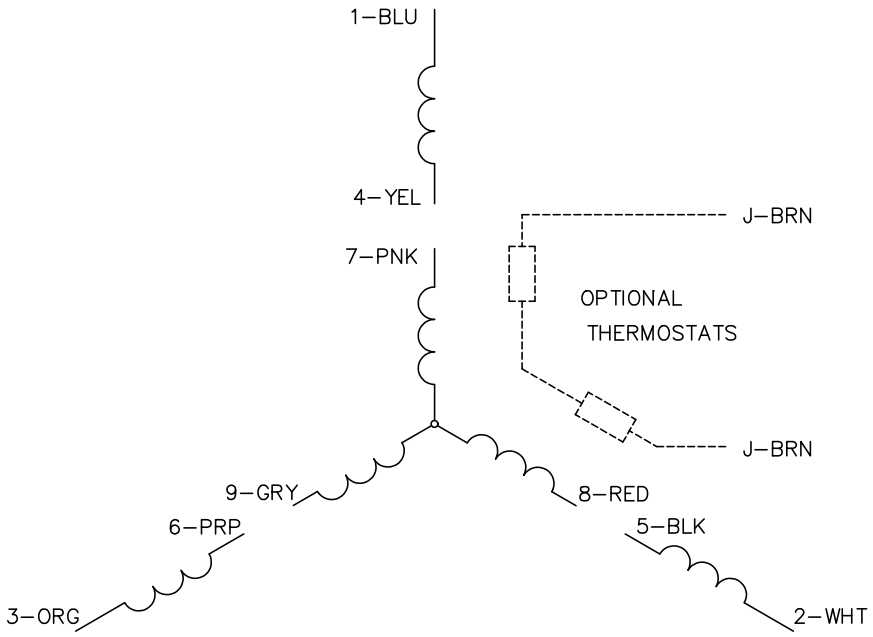
**Load Characteristics 460 V, 60 Hz, 10 HP**

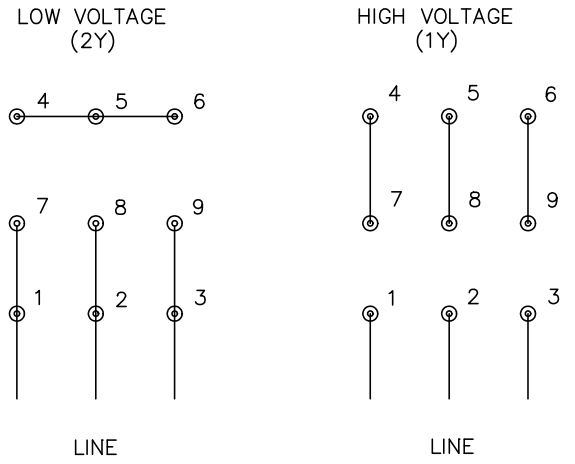
| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 36 | 56 | 67 | 72 | 75 | 75 | 74 |
| **Efficiency** | 82.9 | 88.6 | 89.9 | 89.9 | 89.2 | 87.1 | 89.5 |
| **Speed** | 1195 | 1190 | 1184 | 1178 | 1171 | 1163 | 1174 |
| **Line amperes** | 7.82 | 9.42 | 11.61 | 14.38 | 17.56 | 21.2 | 16.29 |


ABB Motors and Mechanical Inc.
WINDING # 09WGX829
Typical performance - not guaranteed values.
10 HP 3 PH 60 HZ 1175 RPM 460 V 0946M
TORQUES(LB-FT): PO=139 PU=53.5 LR=76.4 LRA=86.1
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (10 HP)
11/11/2026 ACPERF, record # 1772


09LYF608
(924 - 962) = 2 POLE
(964 - 966) = 4,6,&8 POLE
26.39
11.27
5.00
4.88
NAMEPLATE
.00
.38 KEY
3.75 LONG
Ø 1.625
1.624
V-RING
SLINGER
8 HOLES
Ø .53
DRAIN FITTING
(EA. END)
9.50
9.50
.92
11.00
4.75
12.84
12.20
6.63
2.70
13.63
7.00
6.94
LEAD HOLE
Ø 2.00
3.25
.88
5.50
5.50
9.66
6.38
12.75
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REMOVE GREASER CALL OUTS & ADD FEET DIMS
REV: N
VERSION: 11
REVISED: 03:40:47 09/10/2025
TDR: 000001263150
MODEL NO. 09LYF608
REF: -
BY: ENSHAB0
B
BALDOR - RELIANCE®
HOR TEFC 284-6U
09LYF608

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 |