ABB BALDOR RELIANCE

# Customer information packet

## CEWDM3614T

2HP, 1175RPM, 3PH, 60HZ, 184TC, 3644M, TEFC, F1
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.
11/4/2026 9:06:20 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 184TC |
| **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** | 2.000 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 |
| | CSA EEV |
| | 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** | 7.000 A @ 208.0 V |
| | 7.000 A @ 230.0 V |
| | 3.500 A @ 460.0 V |
| **Design Code** | A |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 88.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |
| **Front Shaft Indicator** | None |

## Part Detail

| | |
|---|---|
| **Revision** | T |
| **Type** | AC |
| **Mech. spec.** | 36F317 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 36WGS917 |
| **Layout** | 36LYF317 |
| **Eff. date** | 02-12-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 06 |
| **Leads** | 9#16 |
| **Proprietary** | False |
| **Created date** | 06-04-2012 |

| | |
|---|---|
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 3.5 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | M |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 9 @ 16 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3644M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 6 |
| **Overall Length** | 18.04 IN |
| **Power Factor** | 60 |
| **Product Family** | Wash Down |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 1.125 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**

| NP1669L | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | CEWDM3614T | | | | | | | | | | |
| **SPEC.** | 36F317S917G1 | | | | | | | | | | |
| **HP** | 2 | | | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | | | |
| **AMP** | 7/3.5 | | | | | | | | | | |
| **RPM** | 1175 | | | | | | | | | | |
| **FRAME** | 184TC | **HZ** | 60 | | | | **PH** | 3 | | | |
| **SER.F.** | 1.15 | **CODE** | M | **DES** | A | **CLASS** | F | | | | |
| **NEMA-NOM-EFF** | 88.5 | **PF** | 60 | | | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | | |
| **CC** | 010A | | | | | | | | | | |
| **DE** | 6206 | **ODE** | 6205 | | | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | | | |
| **BLANK** | 20:1CT, 20:1VT | | | | | | | | | | |

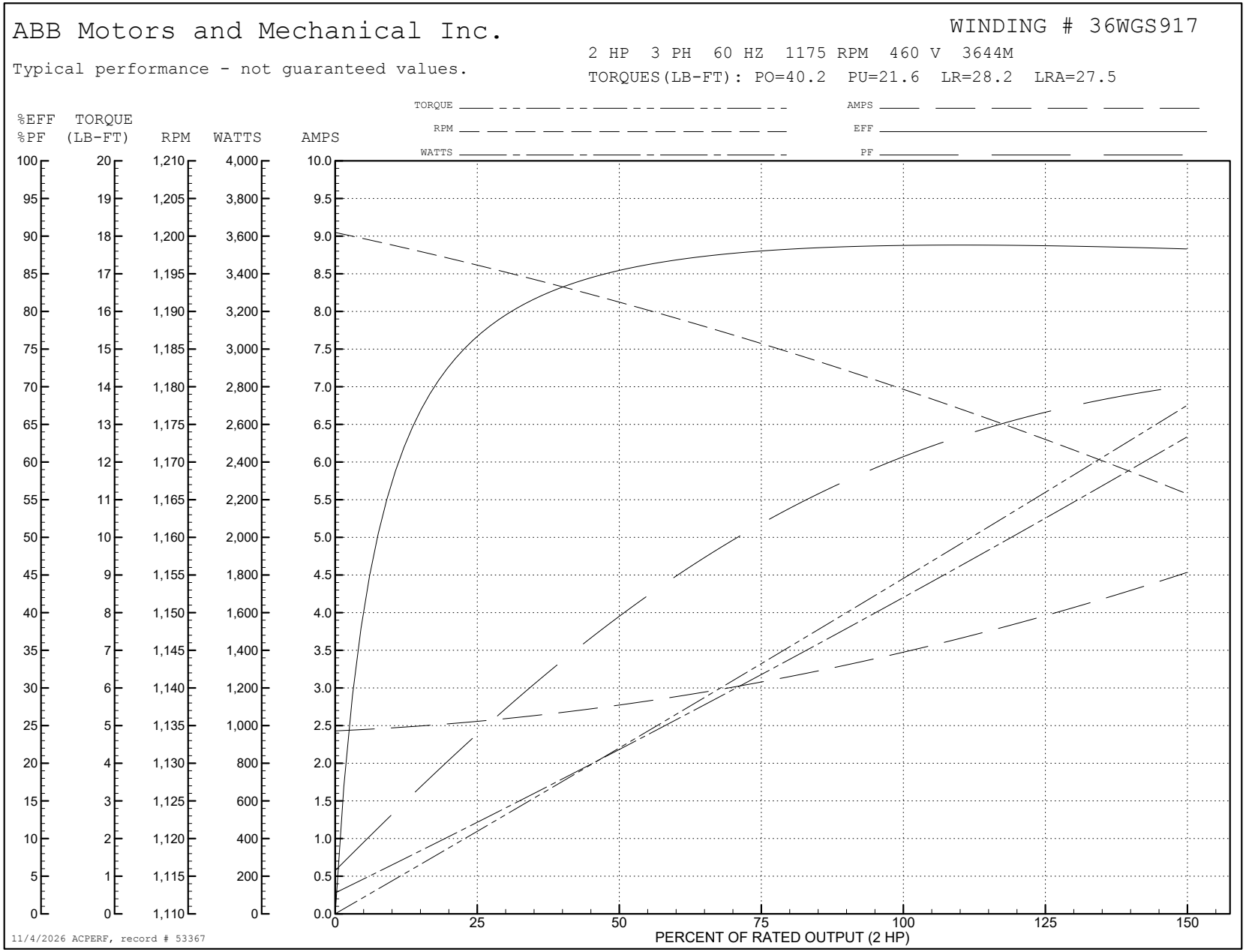
**AC Induction Motor Performance Data**
Record # 53367
Typical performance - not guaranteed values

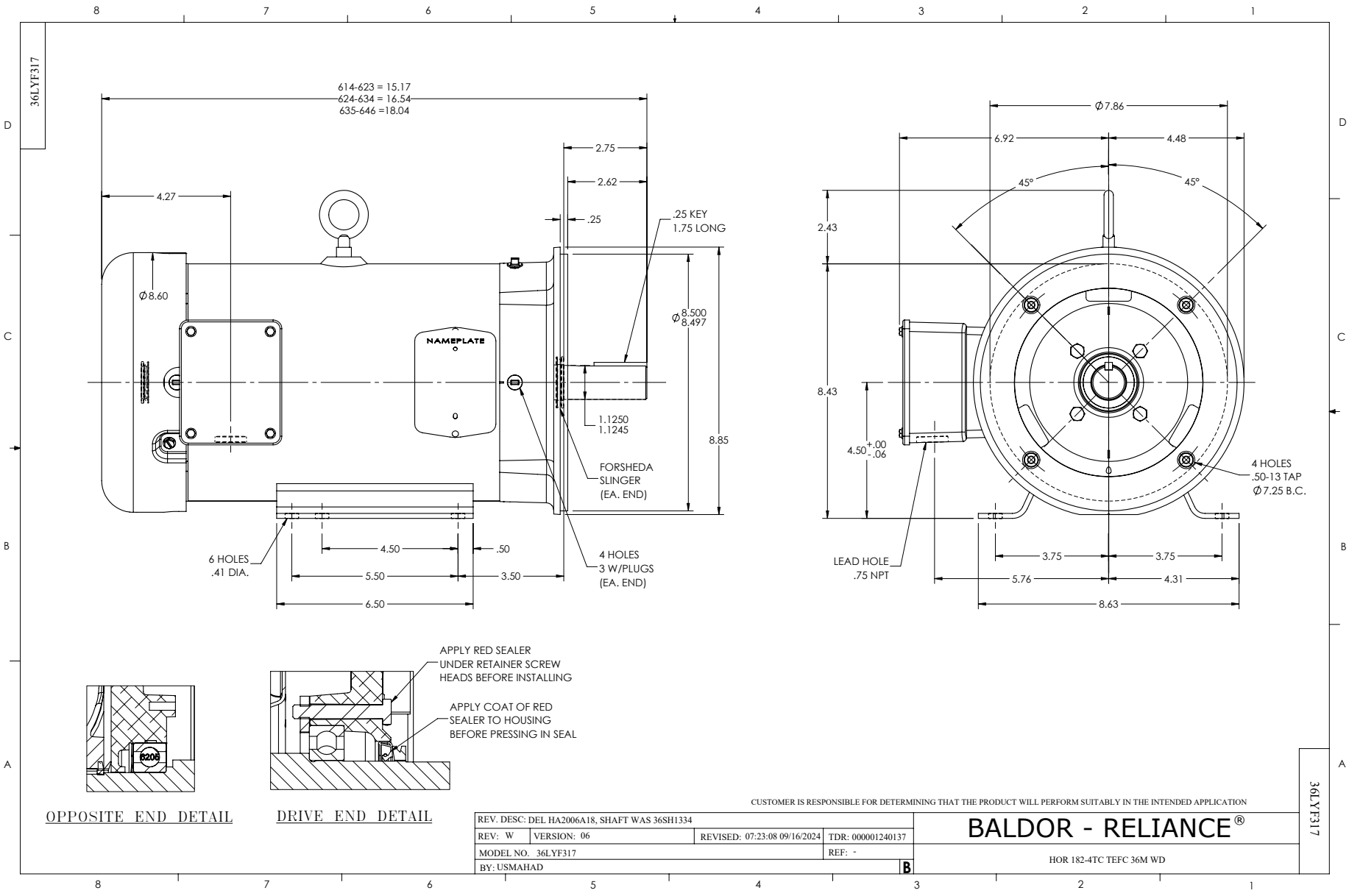
| **Winding:** 36WGS917-R019 | **Type:** 3644M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 2 | **Full Load Torque** | 8.91 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 7/3.5 | **Breakdown Torque** | 40.2 LB-FT |
| **R.P.M.** | | | 1175 | **Pull-up Torque** | 21.6 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 28.2 LB-FT |
| **NEMA Design Code** | A | **KVA Code** | M | **Starting Current** | 27.5 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 2.45 A |
| **NEMA Nom. Eff.** | 88.5 | **Power Factor** | 60 | **Line-line Res. @ 25ºC** | 4.02 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 34°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 39°C |
| | | | | **Locked-rotor Power Factor** | 28.7 |
| | | | | **Rotor inertia** | 0.413 LB-FT2 |

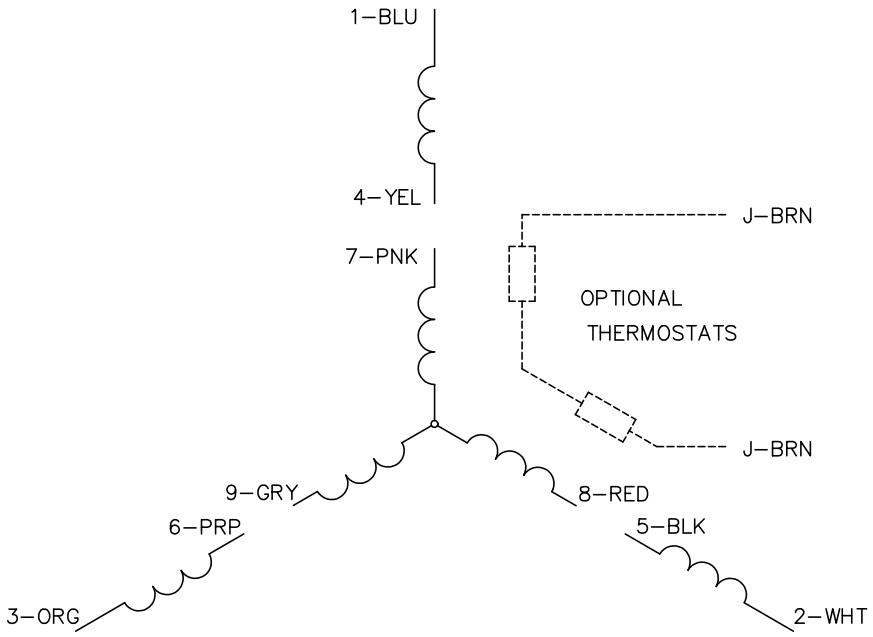
**Load Characteristics 460 V, 60 Hz, 2 HP**

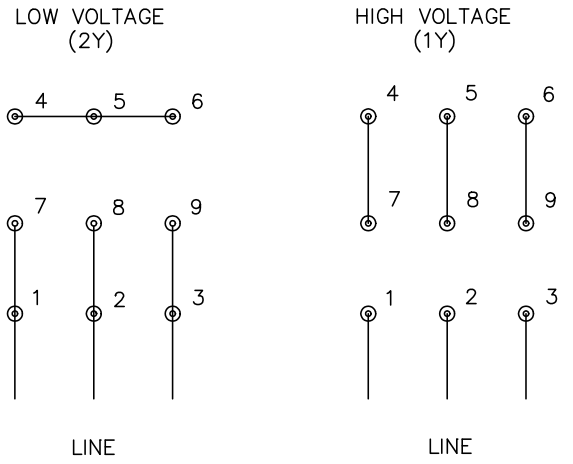
| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 24 | 40 | 52 | 60 | 66 | 70 | 64 |
| **Efficiency** | 76.4 | 85.3 | 87.9 | 88.8 | 88.9 | 88.2 | 88.8 |
| **Speed** | 1197 | 1191 | 1186 | 1179 | 1173 | 1166 | 1175 |
| **Line amperes** | 2.53 | 2.76 | 3.09 | 3.49 | 3.97 | 4.52 | 3.78 |


ABB Motors and Mechanical Inc.
WINDING # 36WGS917
Typical performance - not guaranteed values.
2 HP 3 PH 60 HZ 1175 RPM 460 V 3644M
TORQUES(LB-FT): PO=40.2 PU=21.6 LR=28.2 LRA=27.5
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (2 HP)
11/4/2026 ACPERF, record # 53367


36LYF317
614-623 = 15.17
624-634 = 16.54
635-646 =18.04
2.75
2.62
.25
.25 KEY
1.75 LONG
4.27
Ø8.60
Ø8.500
8.497
NAMEPLATE
1.1250
1.1245
8.85
FORSHEDA
SLINGER
(EA. END)
6 HOLES
.41 DIA.
4.50
.50
5.50
3.50
6.50
4 HOLES
3 W/PLUGS
(EA. END)
Ø7.86
6.92
4.48
45°
45°
2.43
8.43
4.50 +.00 -.06
4 HOLES
.50-13 TAP
Ø7.25 B.C.
LEAD HOLE
.75 NPT
3.75
3.75
5.76
4.31
8.63
APPLY RED SEALER
UNDER RETAINER SCREW
HEADS BEFORE INSTALLING
APPLY COAT OF RED
SEALER TO HOUSING
BEFORE PRESSING IN SEAL
6206
OPPOSITE END DETAIL
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: DEL HA2006A18, SHAFT WAS 36SH1334
REV: W
VERSION: 06
REVISED: 07:23:08 09/16/2024
TDR: 000001240137
MODEL NO. 36LYF317
REF: -
BY: USMAHAD
B
BALDOR - RELIANCE®
HOR 182-4TC TEFC 36M WD
36LYF317

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 |