ABB BALDOR RELIANCE

# Customer information packet

## M1763T

25/6.3HP, 1760/870RPM, 3PH, 60HZ, 286T, 1040M
Class - None
Division - Not Applicable

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## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 286T |
| **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** | 6.300 HP @ 60 HZ |
| | 25.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 460.0 V @ 60 HZ |
| **Agency Approvals** | UR |
| | CSA |
| **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** | 32.000 A @ 460.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Face Code** | Standard |
| **Front Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 12.0 a |
| **Insulation Class** | F |
| **Inverter Code** | Not Inverter |

## Part Detail

| | |
|---|---|
| **Revision** | AD |
| **Type** | AC |
| **Mech. spec.** | 10C151 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 10WGW442 |
| **Layout** | 10LYC151 |
| **Eff. date** | 01-07-2026 |
| **CD Diagram** | CD0032 |
| **Poles** | 04/08 |
| **Leads** | 6#10 |
| **Proprietary** | False |
| **Created date** | 01-01-0001 |

| | |
|---|---|
| **KVA Code** | F |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Exit** | Ko Box |
| **Motor Lead Quantity/Wire Size** | 6 @ 10 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 1040M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| | 8 |
| **Overall Length** | 27.76 IN |
| **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** | 1.875 IN |
| **Shaft Extension Location** | Pulley End |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1760 rpm |
| | 870 rpm |
| **Speed Code** | 2S-1W-VT |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | NONE (OLD) |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

| NP1256L | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | M1763T | | | | | | | | | | |
| **SPEC.** | 10C151W442 | | | | | | | | | | |
| **HP** | 25/6.3 | | | | | | | | | | |
| **VOLTS** | 460 | | | | | | | | | | |
| **AMP** | 32/12 | | | | | | | | | | |
| **RPM** | 1760/870 | | | | | | | | | | |
| **FRAME** | 286T | | **HZ** | 60 | | | **PH** | 3 | | | |
| **SER.F.** | 1.15 | **CODE** | F | **DES** | B | **CLASS** | F | | | | |
| **NEMA-NOM-EFF** | | **PF** | | | | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | | |
| **CC** | | | | | | | | | | | |
| **DE** | 6311 | | **ODE** | 6309 | | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | | | |

**Parts List**

| Part number | Description | Quantity |
|---|---|---|
| SA013449 | SA 10C151W442 | 1.000 ea |
| RA009646 | RA 10C151W442 | 1.000 ea |
| 10CB3000SP | KOBX, CAST W/2.00 LEAD HOLE | 1.000 ea |
| 09GS1000 | GASKET-CONDUIT BOX, 1/16 THICK LEXIDE | 1.000 ea |
| 10XN3118K12 | 5/16-18 X .75 GRADE 5, ZINC PLATED | 4.000 ea |
| HW1001A31 | LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I | 4.000 ea |
| WD1000B25 | GND LUG, BURNDY L125HP OR T&B L125HP-BB | 1.000 ea |
| 19XW3118G08 | .31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN | 1.000 ea |
| 10EP1106A01 | FR ENDPLATE, MACH | 1.000 ea |
| 10XN3816K32 | BOLT, 3/8-16X2 HH YZ(5) | 4.000 ea |
| HW1001A38 | LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I | 4.000 ea |
| HW5100A11 | W3917-042 WVY WSHR (WB) | 1.000 ea |
| 10XN2520K36 | 1/4-20 X 2.00 HX HD SCRW GRADE 5, ZINC P | 2.000 ea |
| HW1001A25 | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 2.000 ea |
| 10XN3118K40 | 5/16-18 X 2.50" HEX HD, GRADE 5 | 4.000 ea |
| HW1001A31 | LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I | 4.000 ea |
| 10EP1105A01 | PU ENDPLATE | 1.000 ea |
| 10XN3816K28 | 3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5 | 4.000 ea |
| HW1001A38 | LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I | 4.000 ea |
| 10FH4000 | 310 FAN HOUSING STAMPED, PRIMED W/O P SU | 1.000 ea |
| 51XF2520A08 | SCREW, HEX SER SLT HD, ZN 1/4-20 X .50 L | 4.000 ea |
| 10CB3500 | CONDUIT BOX LID, CAST | 1.000 ea |
| 51XW2520A12 | .25-20 X .75, TAPTITE II, HEX WSHR SLTD | 4.000 ea |
| HW4600B40 | V-RING SLINGER 2.000 X 2.680 X .28 VITON | 1.000 ea |
| HW2501H28 | KEY, 1/2 SQ X 3.250 | 1.000 ea |
| HA4051A00 | PLASTIC CAP FOR GREASE FITTING | 1.000 ea |
| HW4500A21 | 1618BALEMITE FITTING 825 UNIVERSAL | 1.000 ea |
| HA4017A01 | 1/8 X 4 GREASE EXT (F/S) | 1.000 ea |
| HW4500A17 | 317400 ALEMITE GREASE RELIEF | 1.000 ea |
| HA4054 | SHORT T-DRAIN FITTING, .125" N.P.T. | 1.000 ea |
| MJ1000A02 | GREASE, POLYREX EM EXXON | 0.130 lb |

| | | |
|---|---|---|
| HA4051A00 | PLASTIC CAP FOR GREASE FITTING | 1.000 ea |
| HW4500A03 | GREASE FITTING, .125 NPT 1610(ALEMITE) 8 | 1.000 ea |
| HW4500A17 | 317400 ALEMITE GREASE RELIEF | 1.000 ea |
| HA4054 | SHORT T-DRAIN FITTING, .125" N.P.T. | 1.000 ea |
| 10GS1000 | GASKET, CONDUIT BOX LID | 1.000 ea |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 ea |
| LB1624 | COMBINED WARNING LABEL, ISO/ANSI PICTOGR | 1.000 ea |
| MN416A01 | TAG-INSTAL-MAINT no wire (2500 bx)11/25 | 1.000 ea |
| 10FN3001A01 | EXTERNAL FAN | 1.000 ea |
| HW2500A25 | WOODRUFF KEY USA #1008 #BLOW CARBON STEE | 1.000 ea |
| HA6390A01 | #44, 3.12" DIA WORM DRIVE HOSE CLAMP | 1.000 ea |
| MG1050G01 | CELEROL MEDIUM CHARCOAL METALLIC GRAY | 0.125 ga |
| LC0032 | CONNECTION LABEL | 1.000 ea |
| NP1256L | ALUM UL CC INDUSTRIAL MOTOR A60 | 1.000 ea |
| 10PA1000 | PACKAGING GROUP COMBINED PRINT PK1023A07 | 1.000 ea |
| FE-0000022 | ZRTG FE ASSEMBLY | 1.000 ea |
| PE-0000013 | ZRTG PE ASSEMBLY | 1.000 ea |

**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| 10-1305 | C FACE KIT | A8 |
| 10EP1502A01SP | D-FLANGE KIT | A8 |

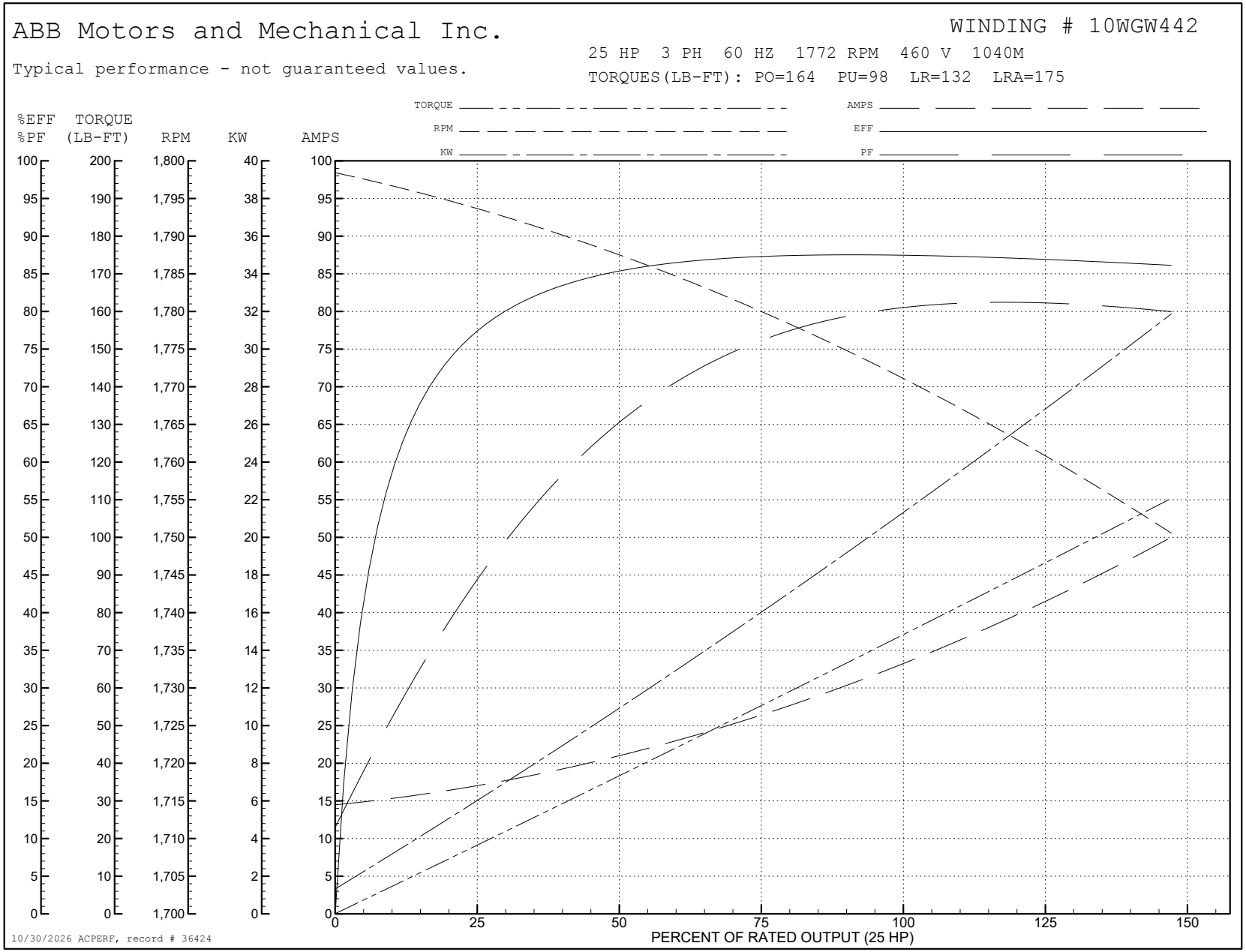
**AC Induction Motor Performance Data**
Record # 36424
Typical performance - not guaranteed values

| **Winding:** 10WGW442-R003 | **Type:** 1040M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Speed Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 25/6.3 | **Full Load Torque** | 73.6 LB-FT |
| **Volts** | | | 460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 32/12 | **Breakdown Torque** | 164 LB-FT |
| **R.P.M.** | | | 1760/870 | **Pull-up Torque** | 98 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 132 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | F | **Starting Current** | 175 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 14.6 A |
| **NEMA Nom. Eff.** | 0 | **Power Factor** | 0 | **Line-line Res. @ 25ºC** | 0.436 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 89°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 108°C |

**Load Characteristics 460 V, 60 Hz, 25 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 45 | 64 | 74 | 80 | 81 | 81 | 81 |
| **Efficiency** | 77 | 85 | 87 | 88 | 87 | 86 | 87.4 |
| **Speed** | 1793 | 1787 | 1780 | 1772 | 1762 | 1750 | 1766 |
| **Line amperes** | 16.7 | 21.2 | 26.7 | 32.6 | 41.1 | 50 | 37.7 |


ABB Motors and Mechanical Inc.
WINDING # 10WGW442
Typical performance - not guaranteed values.
25 HP 3 PH 60 HZ 1772 RPM 460 V 1040M
TORQUES(LB-FT): PO=164 PU=98 LR=132 LRA=175
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (25 HP)
10/30/2026 ACPERF, record # 36424

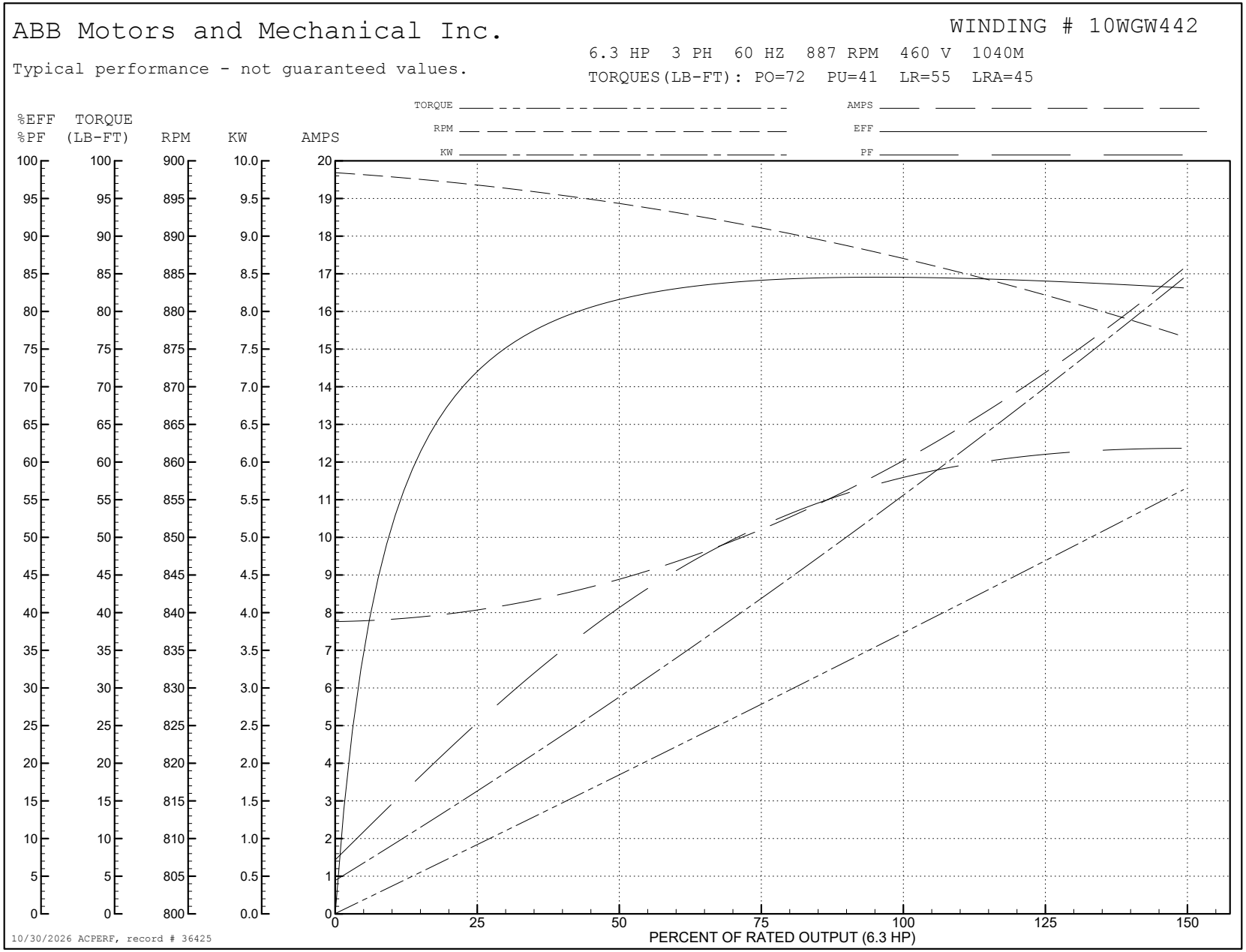
**AC Induction Motor Performance Data**
Record # 36425
Typical performance - not guaranteed values

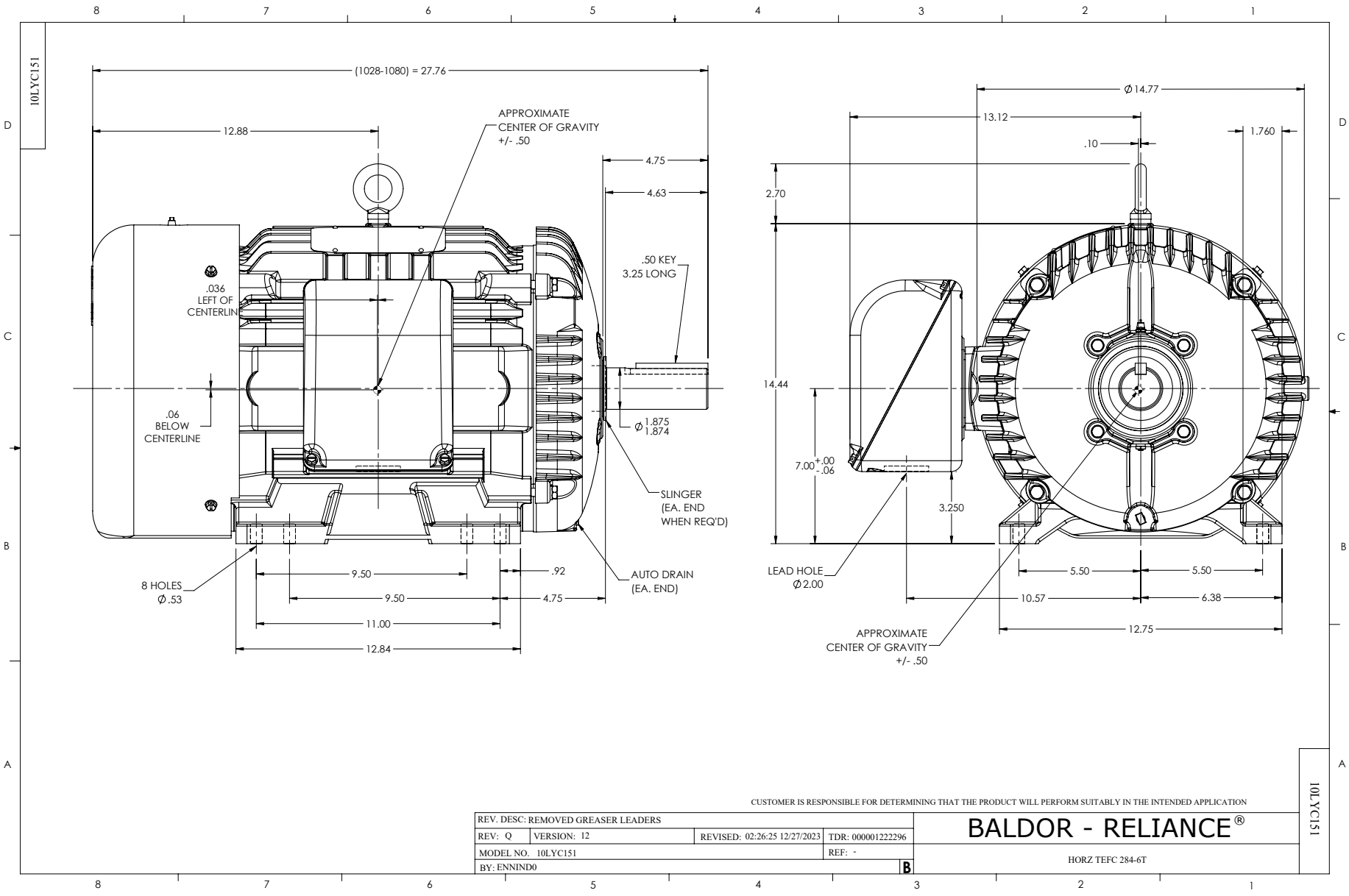
| **Winding:** 10WGW442-R003 | **Type:** 1040M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: Low Speed Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 25/6.3 | **Full Load Torque** | 37.6 LB-FT |
| **Volts** | | | 460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 32/12 | **Breakdown Torque** | 72 LB-FT |
| **R.P.M.** | | | 1760/870 | **Pull-up Torque** | 41 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 55 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | F | **Starting Current** | 45 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 7.7 A |
| **NEMA Nom. Eff.** | 0 | **Power Factor** | 0 | **Line-line Res. @ 25ºC** | 1.73 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 40°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 48°C |

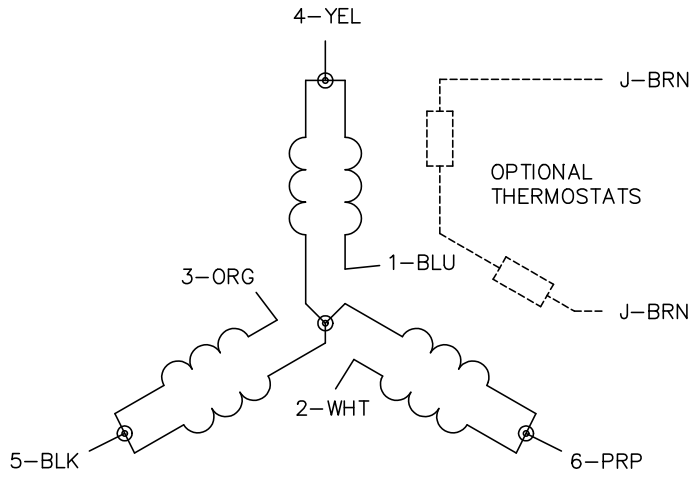
**Load Characteristics 460 V, 60 Hz, 6.3 HP**

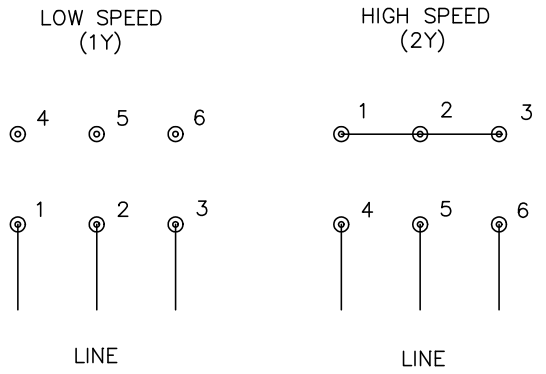
| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 26 | 41 | 50 | 57 | 62 | 63 | 60 |
| **Efficiency** | 72 | 81 | 84 | 85.2 | 84 | 83 | 84.5 |
| **Speed** | 896 | 894 | 891 | 887 | 883 | 876 | 885 |
| **Line amperes** | 8.1 | 9 | 10.4 | 12 | 14.2 | 17.3 | 13.3 |


ABB Motors and Mechanical Inc.
WINDING # 10WGW442
Typical performance - not guaranteed values.
6.3 HP 3 PH 60 HZ 887 RPM 460 V 1040M
TORQUES(LB-FT): PO=72 PU=41 LR=55 LRA=45
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (6.3 HP)
10/30/2026 ACPERF, record # 36425


10LYC151
(1028-1080) = 27.76
12.88
APPROXIMATE
CENTER OF GRAVITY
+/- .50
4.75
4.63
.50 KEY
3.25 LONG
.036
LEFT OF
CENTERLIN
.06
BELOW
CENTERLINE
Ø 1.875
1.874
SLINGER
(EA. END
WHEN REQ'D)
8 HOLES
Ø .53
9.50
.92
9.50
4.75
11.00
12.84
AUTO DRAIN
(EA. END)
Ø 14.77
13.12
.10
1.760
2.70
14.44
7.00 +.00 -.06
3.250
LEAD HOLE
Ø 2.00
5.50
5.50
10.57
6.38
12.75
APPROXIMATE
CENTER OF GRAVITY
+/- .50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: REMOVED GREASER LEADERS
REV: Q
VERSION: 12
REVISED: 02:26:25 12/27/2023
TDR: 000001222296
MODEL NO. 10LYC151
REF: -
BY: ENNIND0
B
BALDOR - RELIANCE®
HORZ TEFC 284-6T
10LYC151

CD0032




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.

CD0032

| | | | |
|---|---|---|---|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | BALDOR ELECTRIC Co. |
| REV. LTR: E | BY: JLP | REVISED: 01/22/99 8:27 | TDR: 0171435 |
| CD0032 | | FILE: AAA00005145 | MDL: – |
| | | MTL: – | 3PH, SV, 6 LEADS, 2–SPEED 1–WINDING VARIABLE TORQUE |