ABB BALDOR RELIANCE

# Customer information packet

## EFM3610T

3HP, 3450RPM, 3PH, 60HZ, 182T, 3532M, TEFC, F2
Class - None
Division - Not Applicable

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## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 182T |
| **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** | 3.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 3600 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | NEMA PREMIUM |
| | CURUSEEV |
| **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** | 3.600 A @ 460.0 V |
| | 7.200 A @ 230.0 V |
| | 7.900 A @ 208.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 86.5 % |
| **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** | M |
| **Type** | AC |
| **Mech. spec.** | 35N395 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGQ060 |
| **Layout** | 35LYN395 |
| **Eff. date** | 01-05-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 02 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 04-19-2013 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 3.6 a |
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | L |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No 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** | 3532M |
| **Mounting Arrangement** | F2 |
| **Number of Poles** | 2 |
| **Overall Length** | 15.16 IN |
| **Power Factor** | 92 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | Standard |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **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** | No Slinger |
| **Speed** | 3450 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**

| NP3441L | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | EFM3610T | | | | | | | | | |
| **SPEC.** | 35N395Q060G1 | | | | | | | | | |
| **HP** | 3 | | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | | |
| **AMP** | 7.2/3.6 | | | | | | | | | |
| **RPM** | 3450 | | | | | | | | | |
| **FRAME** | 182T | **HZ** | 60 | | **PH** | 3 | | | | |
| **SER.F.** | 1.15 | **CODE** | L | **DES** | B | **CL** | F | | | |
| **NEMA-NOM-EFF** | 86.5 | **PF** | 92 | | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | |
| **CC** | 010A | | | | | | | | | |
| **DE** | 6206 | **ODE** | 6203 | | | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | | |
| **VPWM INVERTER READY** | | | | | | | | | | |
| **CT6-60H(10:1)VT3-60H(20:1** | | | | | | | | | | |
| | SFA 8.2/4.1 | | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 50261
Typical performance - not guaranteed values

| **Winding:** 35WGQ060-R002 | **Type:** 3532M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 3 | **Full Load Torque** | 4.5 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 7.2/3.6 | **Breakdown Torque** | 18 LB-FT |
| **R.P.M.** | | | 3450 | **Pull-up Torque** | 11 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 16 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | L | **Starting Current** | 33 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.2 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 92 | **Line-line Res. @ 25ºC** | 4.72 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 61°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 76°C |

**Load Characteristics 460 V, 60 Hz, 3 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 62 | 81 | 88 | 92 | 93 | 94 | 93 |
| **Efficiency** | 83.7 | 87.9 | 88.2 | 87.2 | 85.6 | 83.5 | 86.2 |
| **Speed** | 3562 | 3531 | 3498 | 3462 | 3421 | 3375 | 3437 |
| **Line amperes** | 1.5 | 2.1 | 2.8 | 3.6 | 4.5 | 5.4 | 4.1 |

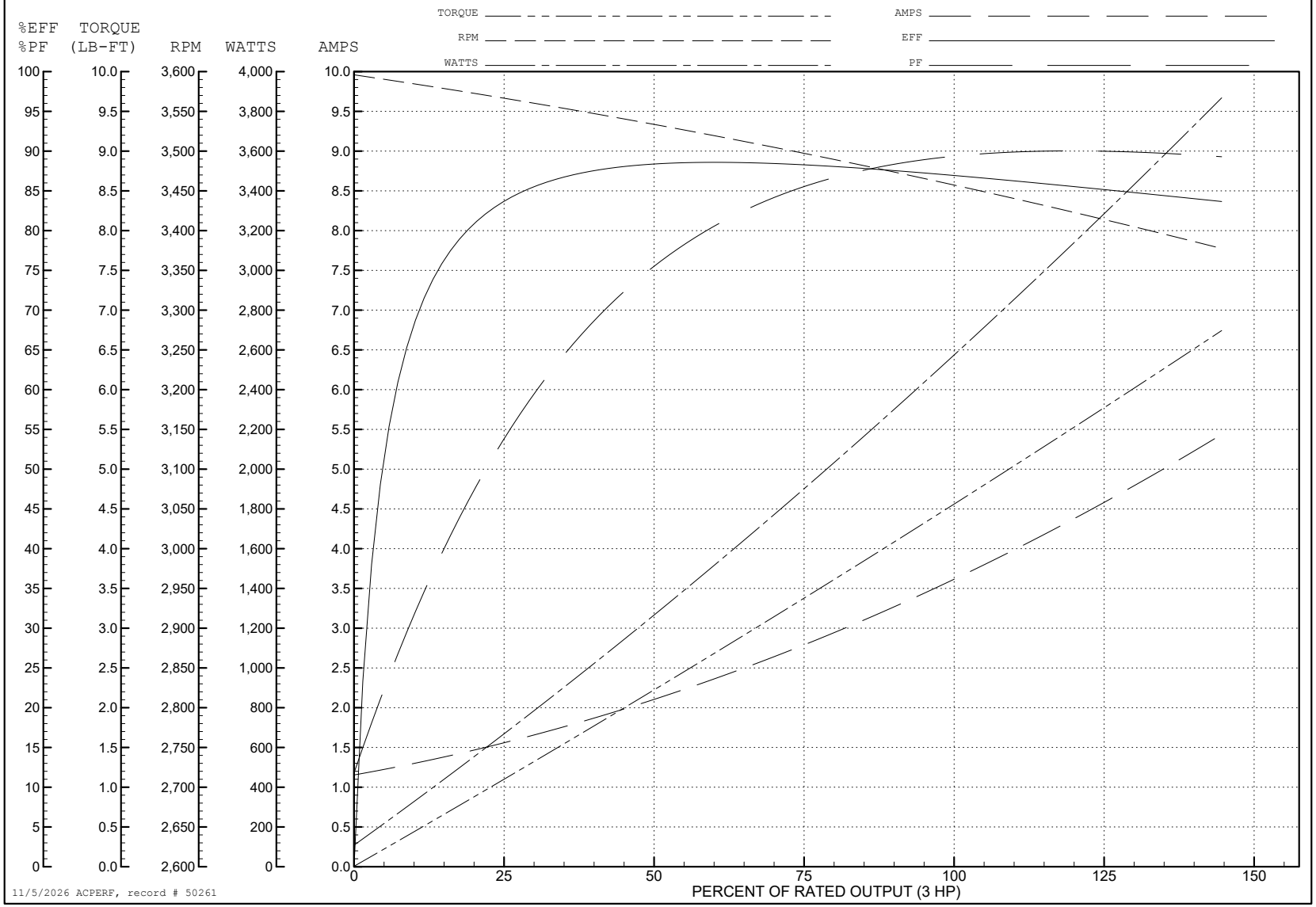
ABB Motors and Mechanical Inc.

WINDING # 35WGQ060

3 HP 3 PH 60 HZ 3450 RPM 460 V 3532M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=18 PU=11 LR=16 LRA=33




11/5/2026 ACPERF, record # 50261

**AC Induction Motor Performance Data**
Record # 59171
Typical performance - not guaranteed values

| **Winding:** 35WGQ060-R002 | **Type:** 3532M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **230 V, 60 Hz: Low Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 3 | **Full Load Torque** | 4.5 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 7.2/3.6 | **Breakdown Torque** | 18 LB-FT |
| **R.P.M.** | | | 3450 | **Pull-up Torque** | 11 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 16 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | L | **Starting Current** | 66 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 2.4 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 92 | **Line-line Res. @ 25ºC** | 1.17 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 61°C |
| **S.F. Amps** | | | | **Temp. Rise @ S.F. Load** | 73°C |
| | | | | **Locked-rotor Power Factor** | 47.1 |
| | | | | **Rotor inertia** | 0.0885 LB-FT2 |

**Load Characteristics 230 V, 60 Hz, 3 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 57 | 77 | 85 | 88 | 89 | 90 | 89 |
| **Efficiency** | 84.1 | 87.9 | 88.4 | 87.2 | 85.7 | 83.5 | 86.3 |
| **Speed** | 3562 | 3531 | 3498 | 3462 | 3421 | 3375 | 3437 |
| **Line amperes** | 3 | 4.2 | 5.6 | 7.2 | 9 | 10.8 | 8.28 |

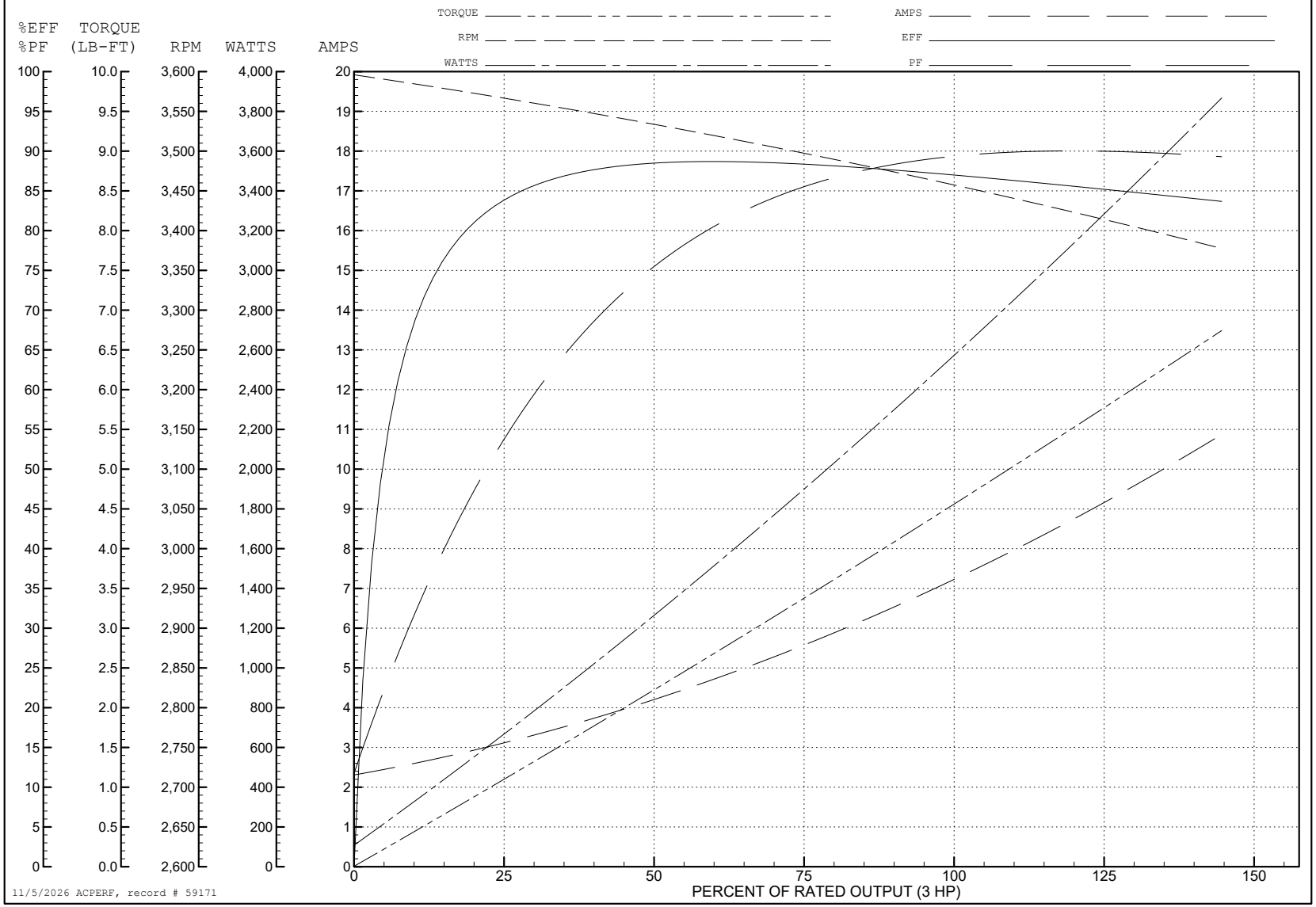
ABB Motors and Mechanical Inc.

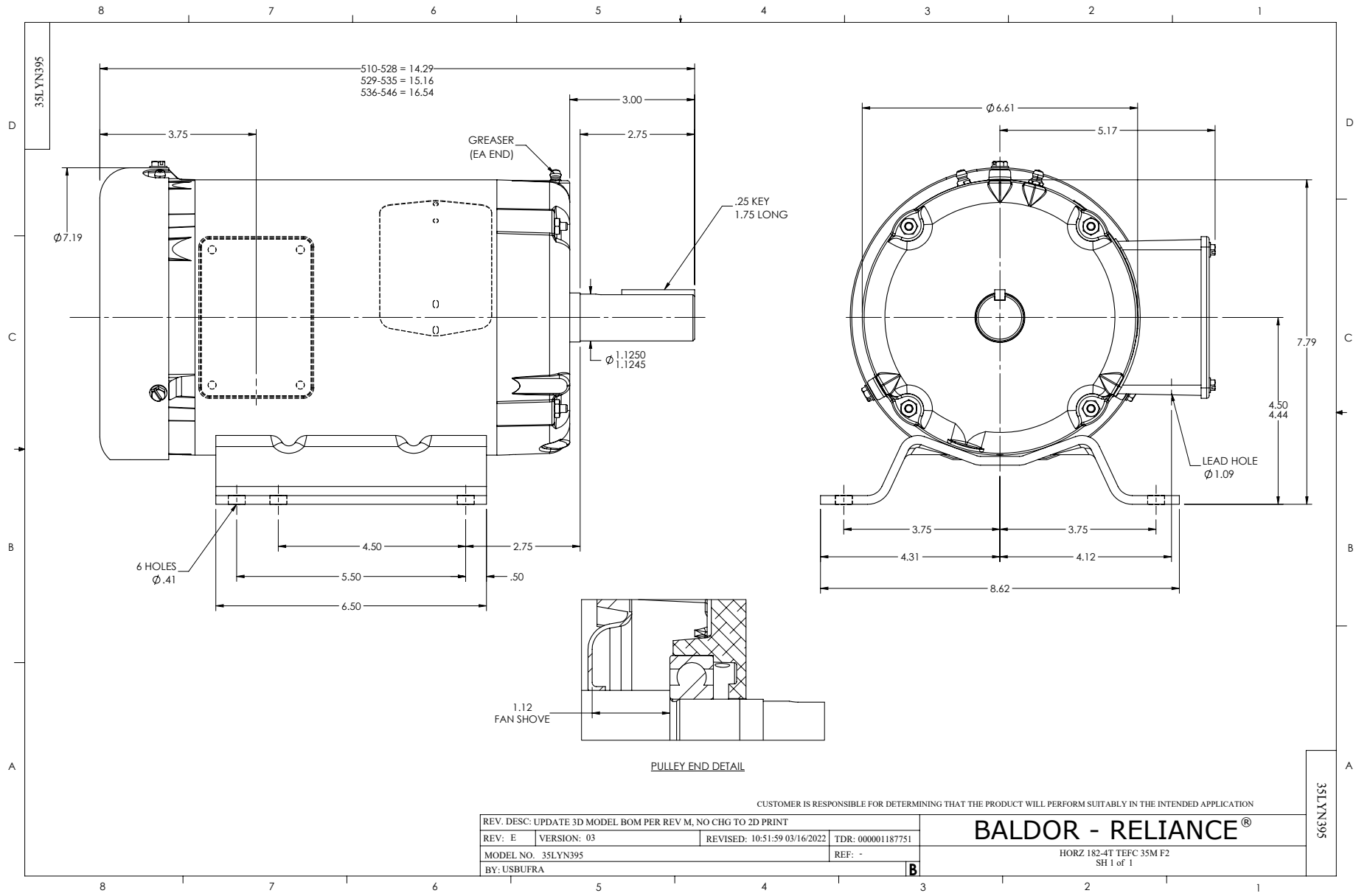
WINDING # 35WGQ060

3 HP 3 PH 60 HZ 3450 RPM 230 V 3532M

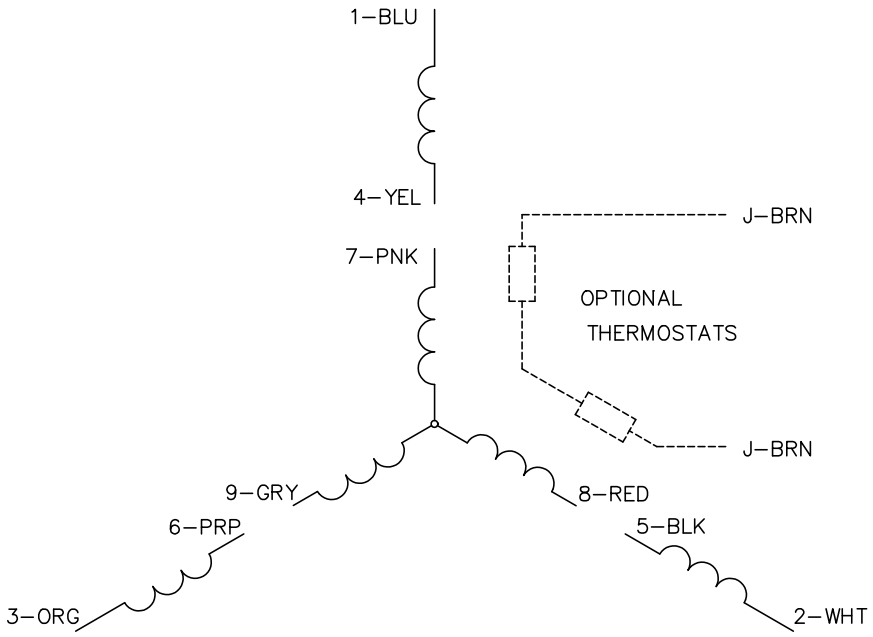
Typical performance - not guaranteed values.

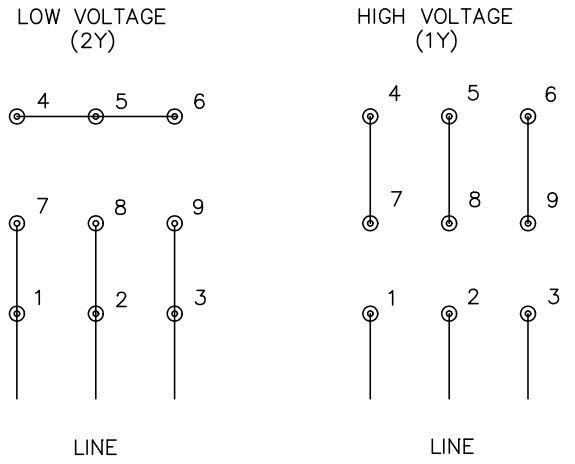
TORQUES(LB-FT): PO=18 PU=11 LR=16 LRA=66




35LYN395
510-528 = 14.29
529-535 = 15.16
536-546 = 16.54
3.00
3.75
2.75
GREASER
(EA END)
.25 KEY
1.75 LONG
Ø7.19
Ø1.1250
1.1245
6 HOLES
Ø.41
4.50
2.75
5.50
.50
6.50
Ø6.61
5.17
7.79
4.50
4.44
LEAD HOLE
Ø1.09
3.75
3.75
4.31
4.12
8.62
1.12
FAN SHOVE
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV M, NO CHG TO 2D PRINT
REV: E
VERSION: 03
REVISED: 10:51:59 03/16/2022
TDR: 000001187751
MODEL NO. 35LYN395
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORZ 182-4T TEFC 35M F2
SH 1 of 1
35LYN395

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 |