ABB BALDOR RELIANCE

# Customer information packet

## CESSWDM3558

2HP, 1760RPM, 3PH, 60HZ, 56C, 3532M, TEFC, N
Class - None
Division - Not Applicable

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11/17/2026 8:19:47 PM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 56C |
| **Frame Material** | Stainless 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** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 460.0 V @ 60 HZ |
| **Agency Approvals** | CURUSEEV |
| | NEMA PREMIUM |
| **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** | 2.800 A @ 460.0 V |
| | 5.600 A @ 230.0 V |
| | 6.000 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 Shaft Indicator** | None |
| **Heater Indicator** | No Heater |
| **High Voltage Full Load Amps** | 2.8 a |

## Part Detail

| | |
|---|---|
| **Revision** | A |
| **Type** | AC |
| **Mech. spec.** | 35V810 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGK632 |
| **Layout** | 35LYV810 |
| **Eff. date** | 09-22-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 02-28-2025 |

| | |
|---|---|
| **Insulation Class** | H |
| **Inverter Code** | Inverter Duty |
| **KVA Code** | L |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3532M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 13.34 IN |
| **Power Factor** | 77 |
| **Product Family** | Wash Down All Stainless Steel |
| **Pulley End Bearing Type** | Sealed Bearing |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.625 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed** | 1760 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**

| NP1953A01 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | CESSWDM3558 | | | | | | | | |
| **SPEC.** | 35V810K632G1 | | | | | | | | |
| **HP** | 2 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMP** | 5.6/2.8 | | | | | | | | |
| **RPM** | 1760 | | | | | | | | |
| **FRAME** | 56C | | **HZ** | 60 | | | **PH** | 3 | |
| **SER.F.** | 1.15 | **CODE** | L | **DES** | B | **CLASS** | | H | |
| **NEMA-NOM-EFF** | 86.5 | | **PF** | 77 | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | | | | | | |
| **DE** | 6205 | | **ODE** | 6203 | | | | | |
| **ENCL** | TEFC | **SN** | | | | | | | |
| | SFA 6.3/3.15 | | | | | | | | |

**AC Induction Motor Performance Data**
Record # 111071
Typical performance - not guaranteed values

| **Winding:** 35WGK632-R001 | **Type:** 3532M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **460 V, 60 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 2 | **Full Load Torque** | 6.01 LB-FT |
| **Volts** | | | 230/460 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 5.6/2.8 | **Breakdown Torque** | 22.9 LB-FT |
| **R.P.M.** | | | 1760 | **Pull-up Torque** | 12.9 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 16.3 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | L | **Starting Current** | 24.4 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.55 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 77 | **Line-line Res. @ 25ºC** | 8.6033 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 66°C |
| **S.F. Amps** | | | 6.3/3.15 | **Temp. Rise @ S.F. Load** | 81°C |
| | | | | **Locked-rotor Power Factor** | 53.6 |
| | | | | **Rotor inertia** | 0.231 lb-ft² |

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

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 37 | 57 | 70 | 78 | 82 | 85 | 80 |
| **Efficiency** | 78.6 | 85.5 | 86.9 | 86.6 | 85.5 | 84 | 85.9 |
| **Speed** | 1789.9 | 1780.7 | 1770.8 | 1760.2 | 1748.4 | 1735.8 | 1753 |
| **Line amperes** | 1.67 | 1.94 | 2.33 | 2.81 | 3.35 | 3.94 | 3.13 |

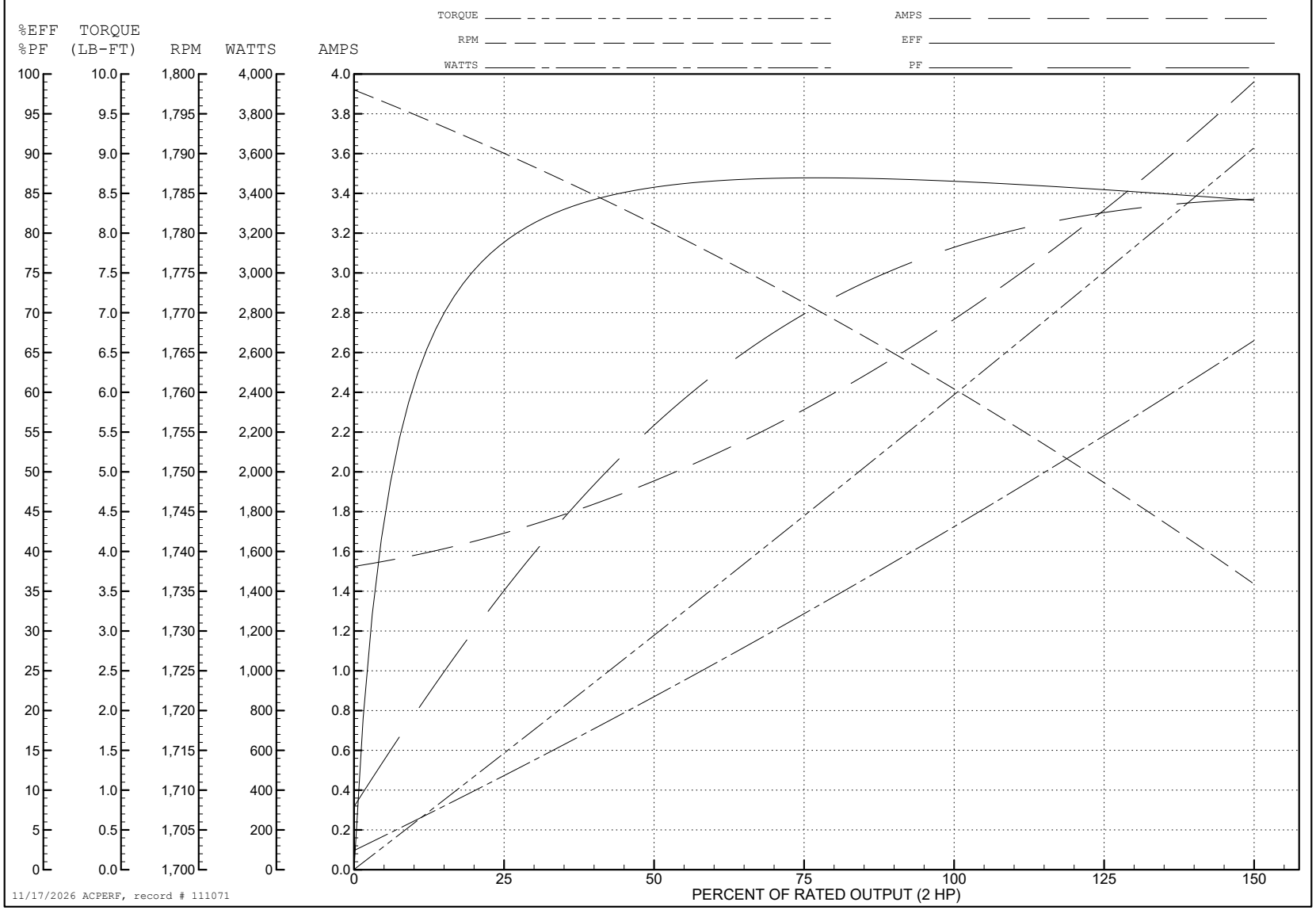
ABB Motors and Mechanical Inc.

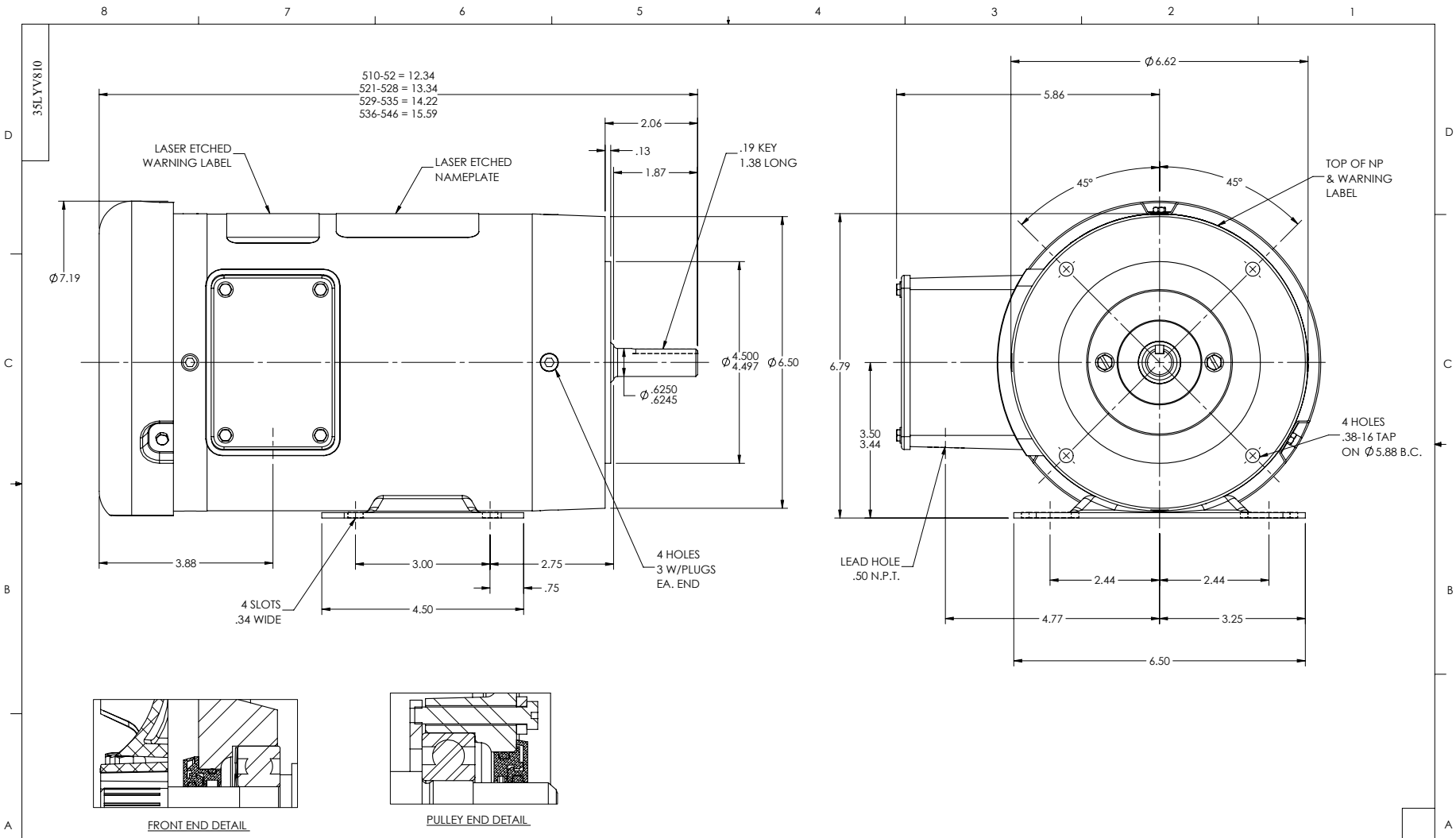
WINDING # 35WGK632

2 HP 3 PH 60 HZ 1760 RPM 460 V 3532M

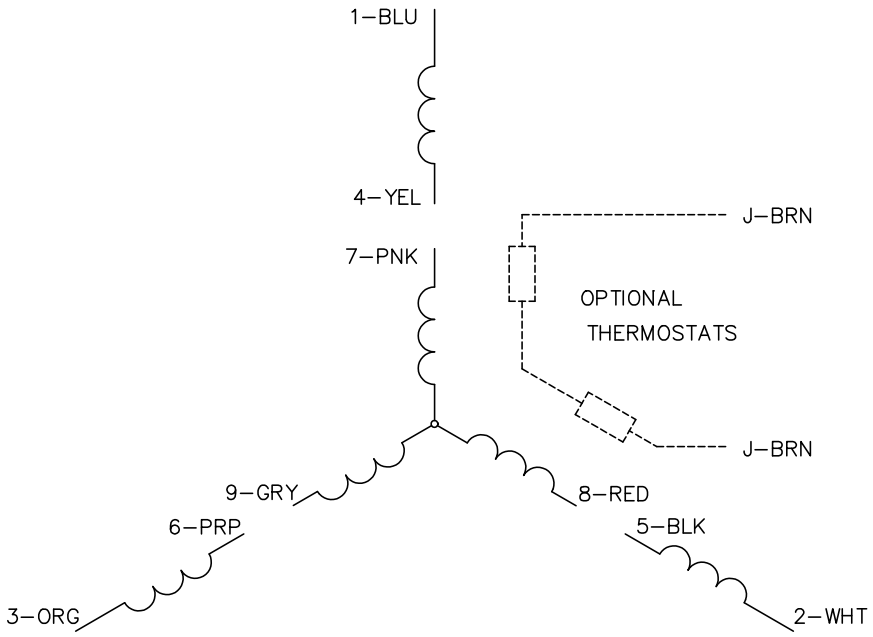
Typical performance - not guaranteed values.

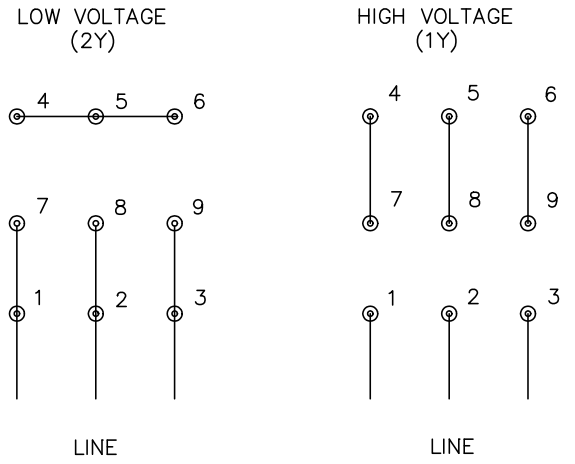
TORQUES(LB-FT): PO=22.9 PU=12.9 LR=16.3 LRA=24.4




35LYV810
510-52 = 12.34
521-528 = 13.34
529-535 = 14.22
536-546 = 15.59
2.06
.13
1.87
.19 KEY
1.38 LONG
LASER ETCHED
WARNING LABEL
LASER ETCHED
NAMEPLATE
Ø7.19
Ø4.500
4.497
Ø6.50
Ø.6250
.6245
3.88
3.00
2.75
.75
4.50
4 SLOTS
.34 WIDE
4 HOLES
3 W/PLUGS
EA. END
Ø6.62
5.86
45°
45°
TOP OF NP
& WARNING
LABEL
6.79
3.50
3.44
4 HOLES
.38-16 TAP
ON Ø5.88 B.C.
LEAD HOLE
.50 N.P.T.
2.44
2.44
4.77
3.25
6.50
FRONT END DETAIL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION - PKG11
REV: A
VERSION: 01
REVISED: 03:49:32 11/30/2018
TDR: 000001092572
MODEL NO. 35LYV810
REF: -
BY: ENSTEK0
B
BALDOR - RELIANCE®
HOR 56C TEFC 35M WD4 W/LOCKED PU BRG & LASER ETCHED BAND
SH 1 of 1
35LYV810

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 |