ABB BALDOR RELIANCE

# Customer information packet

## VEJMM3157T

2HP, 1750RPM, 3PH, 60HZ, 145JM, 3526M, ODP, F1
Class - None
Division - Not Applicable

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11/19/2026 5:06:38 AM

## Specifications

| | |
|---|---|
| **Enclosure** | ODP |
| **Frame** | 145JM |
| **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** | 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** | No Mounting |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 2.600 A @ 460.0 V |
| | 5.200 A @ 230.0 V |
| | 5.800 A @ 208.0 V |
| **Design Code** | B |
| **Drip Cover** | 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** | 2.6 a |

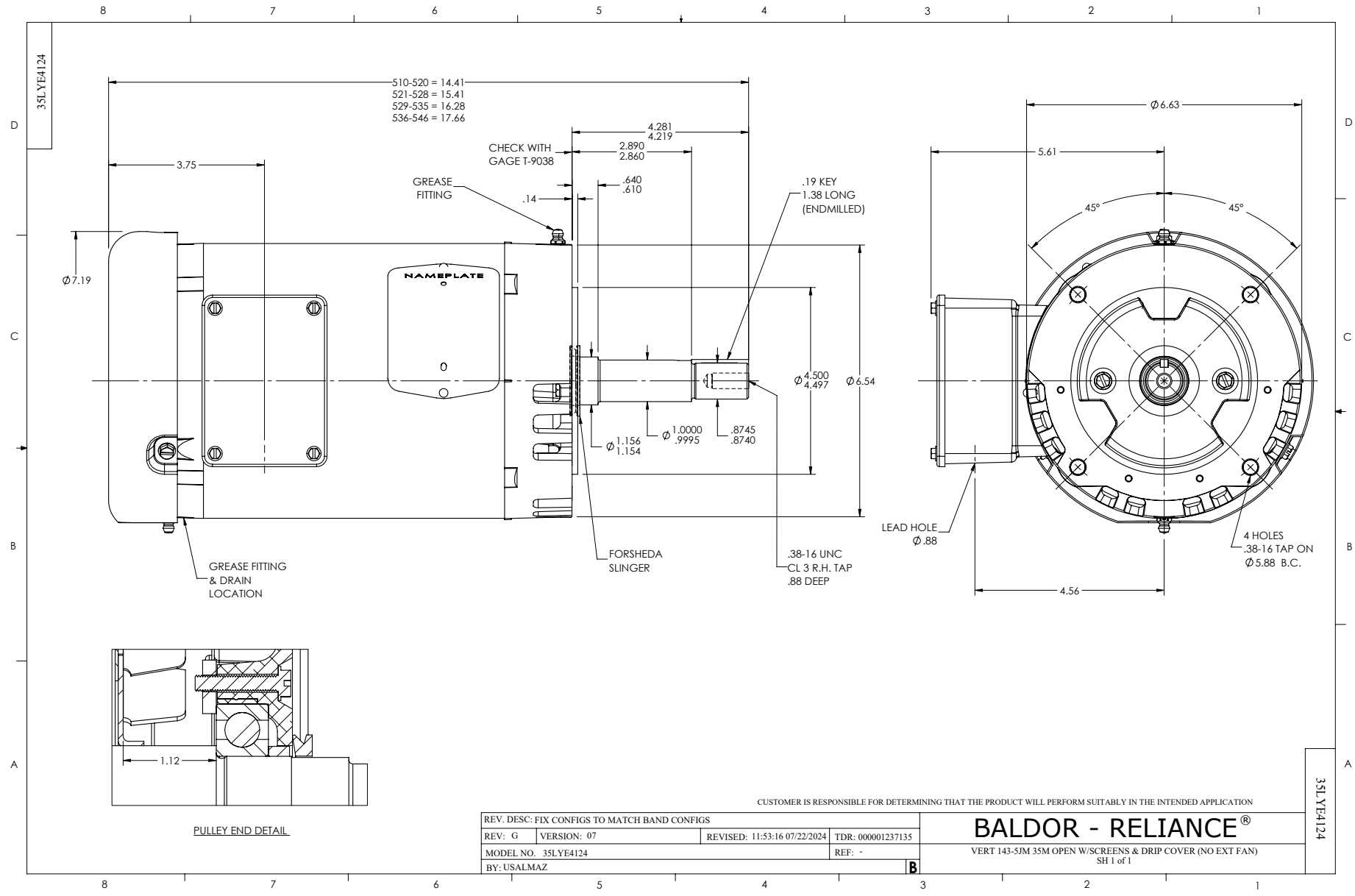
## Part Detail

| | |
|---|---|
| **Revision** | - |
| **Type** | AC |
| **Mech. spec.** | 35E4124 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGZ165 |
| **Layout** | 35LYE4124 |
| **Eff. date** | 02-19-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 11-06-2025 |

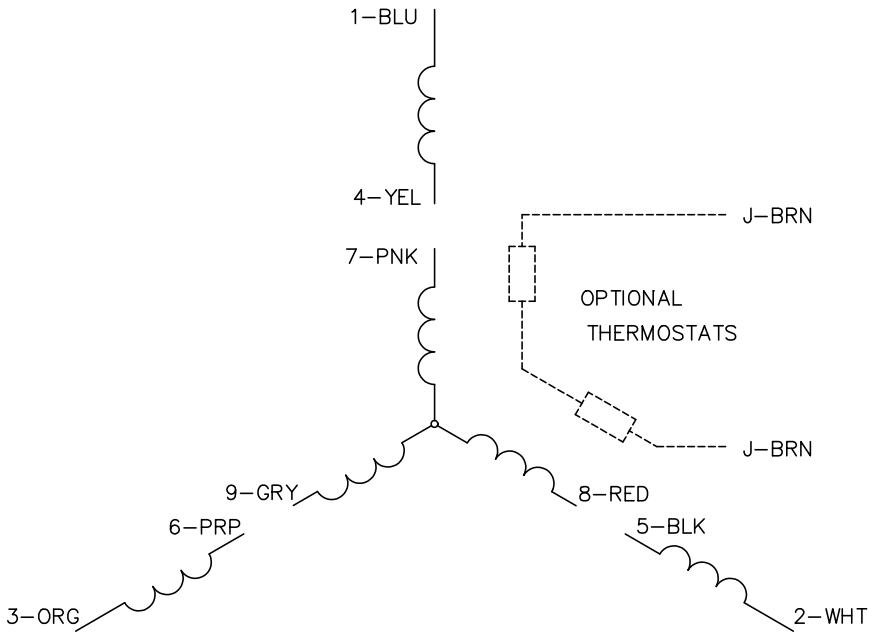
| | |
|---|---|
| **Insulation Class** | F |
| **Inverter Code** | Inverter Ready |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3526M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 15.41 IN |
| **Power Factor** | 82 |
| **Product Family** | General Purpose |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Tapped & Key |
| **Rodent Screen** | Included |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1750 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 |

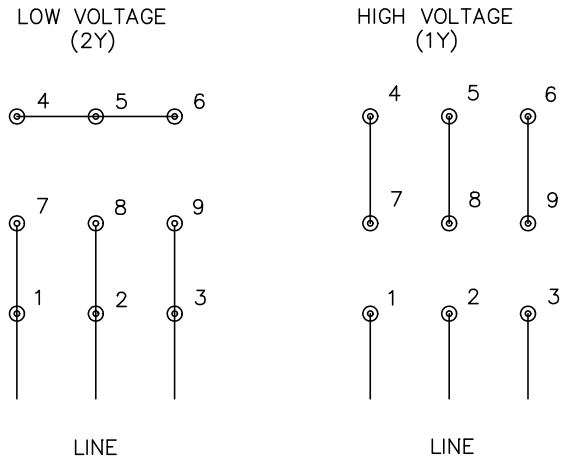
**Nameplate**

| NP3553LUA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | VEJMM3157T | | | | | | | | |
| **SPEC.** | 35E4124Z165 | | | | | | | | |
| **HP** | 2 | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | |
| **AMPS** | 5.6/2.8 | | | | | | | | |
| **RPM** | 1760 | | | | | | | | |
| **FRAME** | 145JM | **HZ** | 60 | | | **PH** | 3 | | |
| **SF** | 1.15 | **CODE** | K | **DES** | B | **CLASS** | F | | |
| **NEMA NOM. EFF** | 86.5 | **PF** | 78 | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | |
| **CC** | 010A | | | | | | | | |
| **ENCL** | ODP | **SN** | | | | | | | |
| **DE** | 6206 | | **ODE** | 6203 | | | | | |
| **VPWM INVERTER READY** | | SFA 6.3/3.15 | | | | | | | |
| **CT30-60(2:1) VT3-60(20:1)** | | | | | | | | | |
| **USABLE AT** | 2HP 50HZ 190/380V 6.6/3.3A | | | | | | | | SF1.0 |


35LYE4124
510-520 = 14.41
521-528 = 15.41
529-535 = 16.28
536-546 = 17.66
4.281
4.219
CHECK WITH
GAGE T-9038
2.890
2.860
3.75
GREASE
FITTING
.640
.610
.14
.19 KEY
1.38 LONG
(ENDMILLED)
Ø7.19
NAMEPLATE
Ø4.500
4.497
Ø6.54
Ø1.156
1.154
Ø1.0000
.9995
.8745
.8740
GREASE FITTING
& DRAIN
LOCATION
FORSHEDA
SLINGER
.38-16 UNC
CL 3 R.H. TAP
.88 DEEP
Ø6.63
5.61
45°
45°
LEAD HOLE
Ø.88
4 HOLES
.38-16 TAP ON
Ø5.88 B.C.
4.56
1.12
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: FIX CONFIGS TO MATCH BAND CONFIGS
REV: G
VERSION: 07
REVISED: 11:53:16 07/22/2024
TDR: 000001237135
MODEL NO. 35LYE4124
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
VERT 143-5JM 35M OPEN W/SCREENS & DRIP COVER (NO EXT FAN)
SH 1 of 1
35LYE4124

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 |