# Customer information packet

EM31157

2HP, 1750RPM, 3PH, 60HZ, 56H, 3526M, ODP, F1, N
Class - None
Division - Not Applicable

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11/1/2026 7:47:15 AM

## Specifications

| | |
|---|---|
| **Enclosure** | ODP |
| **Frame** | 56H |
| **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 |
| **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** | 2.600 A @ 460.0 V |
| | 5.200 A @ 230.0 V |
| | 5.800 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** | 2.6 a |
| **Insulation Class** | F |

## Part Detail

| | |
|---|---|
| **Revision** | - |
| **Type** | AC |
| **Mech. spec.** | 35J382 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 35WGZ165 |
| **Layout** | 35LYJ382 |
| **Eff. date** | 02-19-2026 |
| **CD Diagram** | CD0005 |
| **Poles** | 04 |
| **Leads** | 9#18 |
| **Proprietary** | False |
| **Created date** | 11-06-2025 |

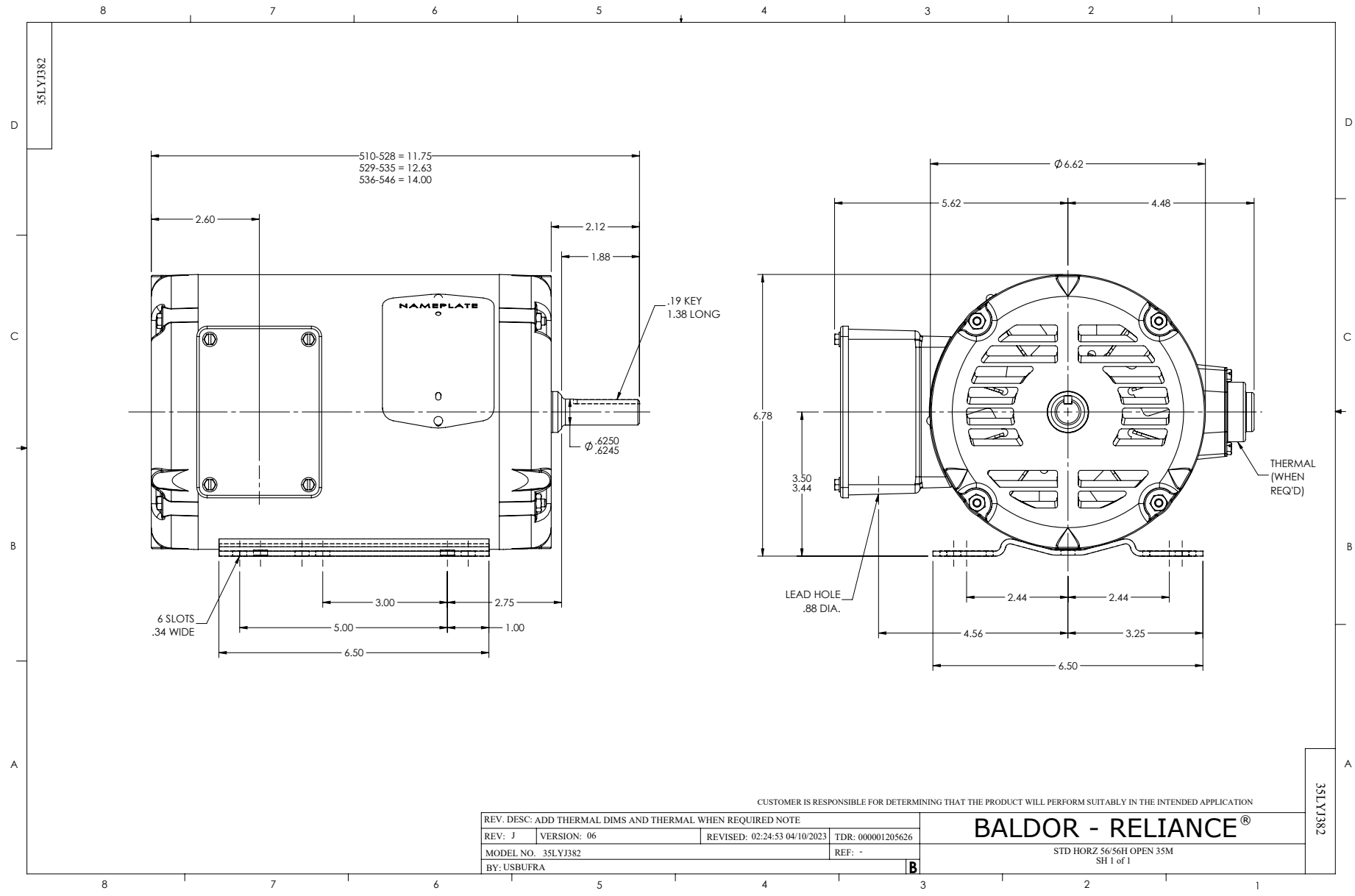
| | |
|---|---|
| **Inverter Code** | Inverter Ready |
| **KVA Code** | K |
| **Lifting Lugs** | No Lifting Lugs |
| **Locked Bearing Indicator** | No Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 9 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 3526M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 11.75 IN |
| **Power Factor** | 82 |
| **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** | 0.625 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | No 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**

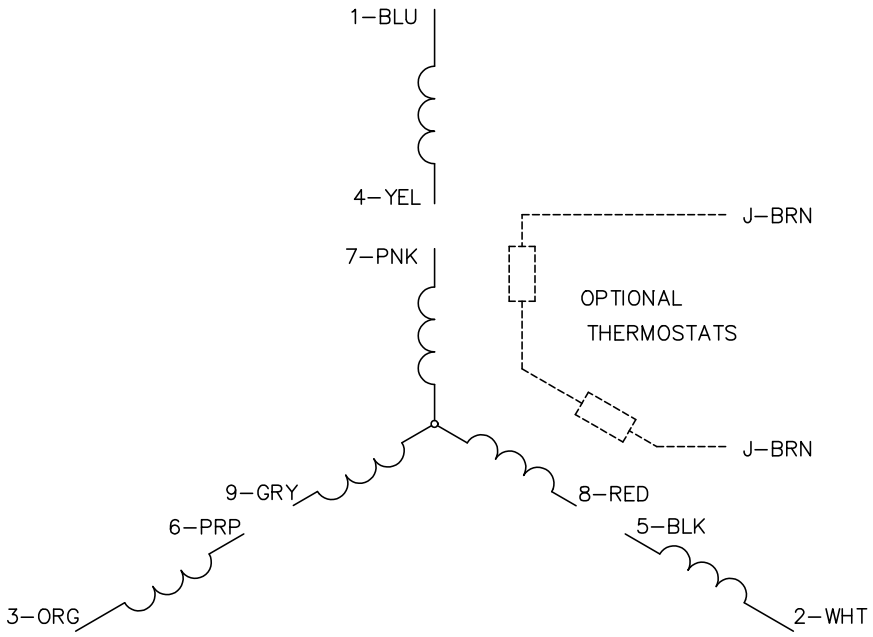
| NP3155LUA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | EM31157 | | | | | | | | | |
| **SPEC.** | 35J382Z165 | | | | | | | | | |
| **HP** | 2 | | | | | | | | | |
| **VOLTS** | 230/460 | | | | | | | | | |
| **AMPS** | 5.6/2.8 | | | | | | | | | |
| **RPM** | 1760 | | | | | | | | | |
| **FRAME** | 56H | **HZ** | 60 | | | **PH** | 3 | | | |
| **SF** | 1.15 | **CODE** | K | **DES** | B | **CLASS** | F | | | |
| **F.L. AVG. EFF.** | 86.5 | **PF** | 78 | | | | | | | |
| **RATING** | 40C AMB-CONT | | | | | | | | | |
| **CC** | | | | | | | | | | |
| **DE** | 6205 | **ODE** | 6203 | | | | | | | |
| **ENCL** | ODP | **SN** | | | | | | | | |
| **USABLE AT** | 2HP 50HZ 190/380V 6.6/3.3A | | | | | | | | | SF1.0 |

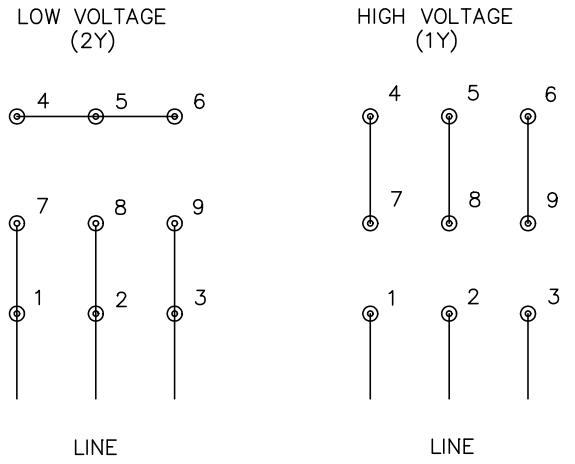
**Parts List**

| Part number | Description | Quantity |
|---|---|---|
| SA444239 | SA 35J382Z165 | 1.000 ea |
| RA436765 | RA 35J382Z165 | 1.000 ea |
| NS2512A01 | INSULATOR, CONDUIT BOX X | 1.000 ea |
| 35CB3007 | 35 CB CASTING W/.88 DIA. LEAD HOLE | 1.000 ea |
| 51XB1016A06 | 10-16X3/8 HXWSSLD SERTYB | 2.000 ea |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea |
| 35EP3209G00 | MASTER ODE,203 BRG | 1.000 ea |
| HW5100A03 | WAVY WASHER (W1543-017) | 1.000 ea |
| 35EP3210B00 | MASTER DE,205 BRG,1.000SH | 1.000 ea |
| XY1032A02 | 10-32 HEX NUT DIRECTIONAL SERRATION | 4.000 ea |
| 35CB4521 | 35 LIPPED CB LID (GALV & PHOSPH) | 1.000 ea |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 ea |
| HW2501D13 | KEY, 3/16 SQ X 1.375 | 1.000 ea |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 ea |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 ea |
| MJ1000A02 | GREASE, POLYREX EM EXXON | 0.050 lb |
| MG1050Y01 | CELEROL BALDOR GOLD *5 GALLON BUCKET* | 0.017 ga |
| HA3100A18 | THRUBOLT 10-32 X 9.250 | 4.000 ea |
| LC0005E01 | CONN.DIA./WARNING LABEL (LC0005/LB1119N) | 1.000 ea |
| MN416A01 | TAG-INSTAL-MAINT no wire (2500 bx)11/25 | 1.000 ea |
| NP3155LUA | ALUM SUPER-E UL CC "SEMS" "USABLE AT" VE | 1.000 ea |
| 35PA1066 | PKG GRP, PRINT PK1008A07 | 1.000 ea |
| FE-0000001 | ZRTG FE ASSEMBLY | 1.000 ea |
| PE-0000001 | ZRTG PE ASSEMBLY | 1.000 ea |


35LYJ382
510-528 = 11.75
529-535 = 12.63
536-546 = 14.00
2.60
2.12
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
.6245
6 SLOTS
.34 WIDE
3.00
2.75
5.00
1.00
6.50
Ø 6.62
5.62
4.48
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
LEAD HOLE
.88 DIA.
2.44
2.44
4.56
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: J
VERSION: 06
REVISED: 02:24:53 04/10/2023
TDR: 000001205626
MODEL NO. 35LYJ382
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56/56H OPEN 35M
SH 1 of 1
35LYJ382

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 |