

# ABB BALDOR RELIANCE III

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## Customer information packet

### VJPFPM2543T-5

50HP, 1770RPM, 3PH, 60HZ, 326JP, 4064M, OPSB, F

**Specifications**

|                                |                           |
|--------------------------------|---------------------------|
| Enclosure                      | OPSB                      |
| Frame                          | 326JP                     |
| Frame Material                 | Steel                     |
| Frequency                      | 60.00 Hz                  |
| Motor Letter Type              | Three Phase               |
| Output @ Frequency             | 50.000 HP @ 60 HZ         |
| Phase                          | 3                         |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ          |
| Voltage @ Frequency            | 575.0 V @ 60 HZ           |
| Agency Approvals               | CSA EEV                   |
|                                | UL                        |
| 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              | 49.000 A @ 575.0 V        |
| Design Code                    | B                         |
| Drip Cover                     | Drip Cover                |
| Duty Rating                    | CONT                      |
| Efficiency @ 100% Load         | 93.0 %                    |
| Electrically Isolated Bearing  | Not Electrically Isolated |
| Feedback Device                | NO FEEDBACK               |
| Heater Indicator               | No Heater                 |
| High Voltage Full Load Amps    | 49.0 a                    |
| Insulation Class               | F                         |
| Inverter Code                  | Not Inverter              |
| KVA Code                       | F                         |
| Lifting Lugs                   | Vertical Lifting Lugs     |
| Locked Bearing Indicator       | Locked Bearing            |
| Motor Lead Termination         | Flying Leads              |

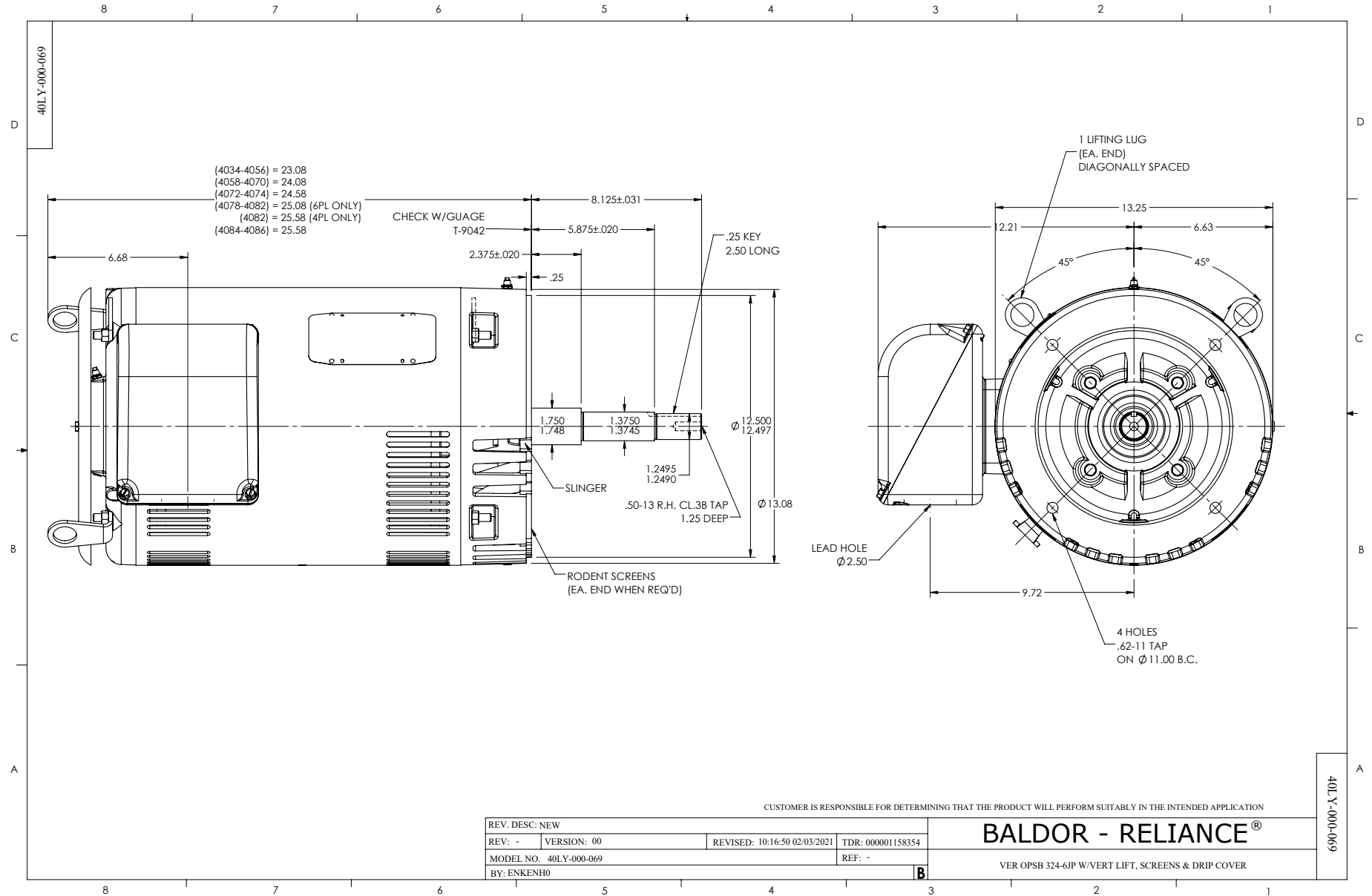
**Part Detail**

|              |              |
|--------------|--------------|
| Revision     | A            |
| Type         | AC           |
| Mech. spec.  |              |
| Base         |              |
| Status       | PRD/A        |
| Elec. spec.  | 40WGX357     |
| Layout       | 40LY-000-069 |
| Eff. date    | 08-01-2023   |
| CD Diagram   | CD0382       |
| Poles        | 04           |
| Leads        | 6#8          |
| Proprietary  | False        |
| Created date | 02-09-2021   |

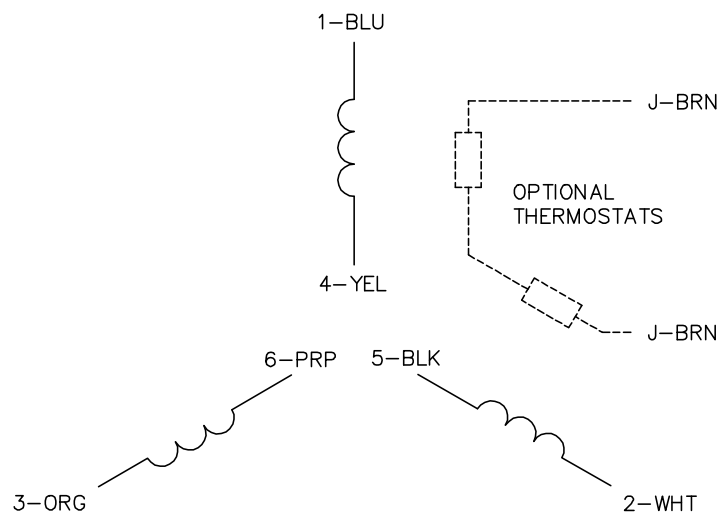
|                                   |                            |
|-----------------------------------|----------------------------|
| <b>Motor Standards</b>            | <b>NEMA</b>                |
| <b>Motor Type</b>                 | <b>4064M</b>               |
| <b>Mounting Arrangement</b>       | <b>F1</b>                  |
| <b>Number of Poles</b>            | <b>4</b>                   |
| <b>Overall Length</b>             | <b>32.21 IN</b>            |
| <b>Power Factor</b>               | <b>83</b>                  |
| <b>Product Family</b>             | <b>General Purpose</b>     |
| <b>Pulley Face Code</b>           | <b>C-Face</b>              |
| <b>Rodent Screen</b>              | <b>Included</b>            |
| <b>Service Factor</b>             | <b>1.15</b>                |
| <b>Shaft Diameter</b>             | <b>1.250 IN</b>            |
| <b>Shaft Ground Indicator</b>     | <b>No Shaft Grounding</b>  |
| <b>Shaft Rotation</b>             | <b>Reversible</b>          |
| <b>Speed</b>                      | <b>1770 rpm</b>            |
| <b>Speed Code</b>                 | <b>Single Speed</b>        |
| <b>Starting Method</b>            | <b>Full Voltage</b>        |
| <b>Thermal Device - Bearing</b>   | <b>None</b>                |
| <b>Thermal Device - Winding</b>   | <b>None</b>                |
| <b>Vibration Sensor Indicator</b> | <b>No Vibration Sensor</b> |
| <b>Winding Thermal 1</b>          | <b>None</b>                |
| <b>Winding Thermal 2</b>          | <b>None</b>                |

**Nameplate**

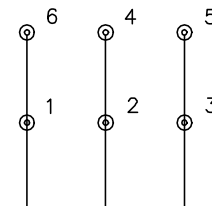
| NP3454L   |               |          |        |           |          |      |    |       |      |          |            |        |    |
|-----------|---------------|----------|--------|-----------|----------|------|----|-------|------|----------|------------|--------|----|
| CAT.NO.   | VJPFPM2543T-5 |          |        |           | CUST P/N |      |    |       |      | I.P.     | 23         |        |    |
| SPEC.     | 40-0000-0206  |          |        |           | SER.NO.  |      |    |       |      | FRAME    | 326JP      |        |    |
| HZ        | 60            | HP       | 50     |           | RPM      | 1770 |    | HZ    |      | HP       |            | RPM    |    |
| VOLTS     | 575           |          |        |           | CODE     | F    |    | VOLTS |      |          |            | CODE   |    |
| AMPS      | 49            |          |        |           | DES      | B    |    | AMPS  |      |          |            | DES    |    |
| EFF       | 93            |          | SER.F. | 1.15      |          | PF   | 83 |       | EFF  |          |            | SER.F. | PF |
| RATING    | 40C AMB-CONT  |          |        |           | DE BRG   | 6312 |    |       |      | GREASE   | POLYREX EM |        |    |
| BLANK     |               |          |        |           | ODE BRG  | 6309 |    |       |      | MTR. WT. | 396        |        |    |
|           |               |          |        |           | CLASS    | F    |    | PH    | 3    |          |            |        |    |
|           |               |          |        |           | ENCL     | OPSB |    | CC    | 010A |          |            |        |    |
| HTR-VOLTS |               | HTR-AMPS |        | HTR-WATTS |          |      |    |       |      |          |            |        |    |



CD0382

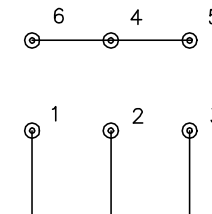


**RUN CONNECTION  
(1D)**



LINE

**START CONNECTION  
(1Y)**



LINE

**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.
5. FOR ACROSS-THE-LINE STARTING, USE 'RUN' CONNECTION.

REV. DESC: ADD CLASS CONN00000007

REV. LTR: F

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\243

REVISED: 09:05:32 02/19/2019

BY: ENBRIRO

MTL: -



**BALDOR - RELIANCE®**

3PH, SV, 6 LEADS, Y START/D RUN

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