

# ABB BALDOR RELIANCE III

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## Customer information packet CL3506

.75HP, 3450RPM, 1PH, 60HZ, 56C, 3424L, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                                        |
| <b>Frame</b>                          | 56C                                                         |
| <b>Frame Material</b>                 | Steel                                                       |
| <b>Frequency</b>                      | 60.00 Hz                                                    |
| <b>Haz Area Class and Group</b>       | None                                                        |
| <b>Haz Area Division</b>              | Not Applicable                                              |
| <b>Motor Letter Type</b>              | Cap Start, Induction Run                                    |
| <b>Output @ Frequency</b>             | .750 HP @ 60 HZ                                             |
| <b>Phase</b>                          | 1                                                           |
| <b>Synchronous Speed @ Frequency</b>  | 3600 RPM @ 60 HZ                                            |
| <b>Voltage @ Frequency</b>            | 230.0 V @ 60 HZ<br>208.0 V @ 60 HZ<br>115.0 V @ 60 HZ       |
| <b>Agency Approvals</b>               | C UR US<br>CURUS                                            |
| <b>Ambient Temperature</b>            | 40 °C                                                       |
| <b>Auxiliary Box</b>                  | NO AUXILLARY BOX                                            |
| <b>Auxiliary Box Lead Termination</b> | None                                                        |
| <b>Base Indicator</b>                 | Rigid                                                       |
| <b>Bearing Grease Type</b>            | Polyrex EM (-20F +300F)                                     |
| <b>Blower</b>                         | None                                                        |
| <b>Current @ Voltage</b>              | 9.600 A @ 115.0 V<br>5.000 A @ 208.0 V<br>4.800 A @ 230.0 V |
| <b>Design Code</b>                    | N                                                           |
| <b>Drip Cover</b>                     | No Drip Cover                                               |
| <b>Duty Rating</b>                    | CONT                                                        |
| <b>Efficiency @ 100% Load</b>         | 66.0 %                                                      |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                   |
| <b>Feedback Device</b>                | NO FEEDBACK                                                 |
| <b>Front Face Code</b>                | Standard                                                    |
| <b>Front Shaft Indicator</b>          | None                                                        |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | AH         |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 34K053     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 34WG3405   |
| <b>Layout</b>       | 34LYK053   |
| <b>Eff. date</b>    | 10-28-2024 |
| <b>CD Diagram</b>   | CD0001     |
| <b>Poles</b>        | 02         |
| <b>Leads</b>        | 6#18       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 01-01-0001 |

|                                      |                     |
|--------------------------------------|---------------------|
| <b>Heater Indicator</b>              | No Heater           |
| <b>High Voltage Full Load Amps</b>   | 4.8 a               |
| <b>Insulation Class</b>              | F                   |
| <b>Inverter Code</b>                 | Not Inverter        |
| <b>KVA Code</b>                      | K                   |
| <b>Lifting Lugs</b>                  | No Lifting Lugs     |
| <b>Locked Bearing Indicator</b>      | Locked Bearing      |
| <b>Motor Lead Exit</b>               | Ko Box              |
| <b>Motor Lead Quantity/Wire Size</b> | 6 @ 18 AWG          |
| <b>Motor Lead Termination</b>        | Flying Leads        |
| <b>Motor Standards</b>               | NEMA                |
| <b>Motor Type</b>                    | 3424L               |
| <b>Mounting Arrangement</b>          | F1                  |
| <b>Number of Poles</b>               | 2                   |
| <b>Overall Length</b>                | 11.97 IN            |
| <b>Power Factor</b>                  | 74                  |
| <b>Product Family</b>                | General Purpose     |
| <b>Pulley End Bearing Type</b>       | Ball                |
| <b>Pulley Face Code</b>              | C-Face              |
| <b>Pulley Shaft Indicator</b>        | Standard            |
| <b>Rodent Screen</b>                 | None                |
| <b>Service Factor</b>                | 1.25                |
| <b>Shaft Diameter</b>                | 0.625 IN            |
| <b>Shaft Extension Location</b>      | Pulley End          |
| <b>Shaft Ground Indicator</b>        | No Shaft Grounding  |
| <b>Shaft Rotation</b>                | Reversible          |
| <b>Shaft Slinger Indicator</b>       | No Slinger          |
| <b>Speed</b>                         | 3450 rpm            |
| <b>Speed Code</b>                    | Single Speed        |
| <b>Starting Method</b>               | Direct on line      |
| <b>Thermal Device - Bearing</b>      | None                |
| <b>Thermal Device - Winding</b>      | None                |
| <b>Vibration Sensor Indicator</b>    | No Vibration Sensor |
| <b>Winding Thermal 1</b>             | None                |

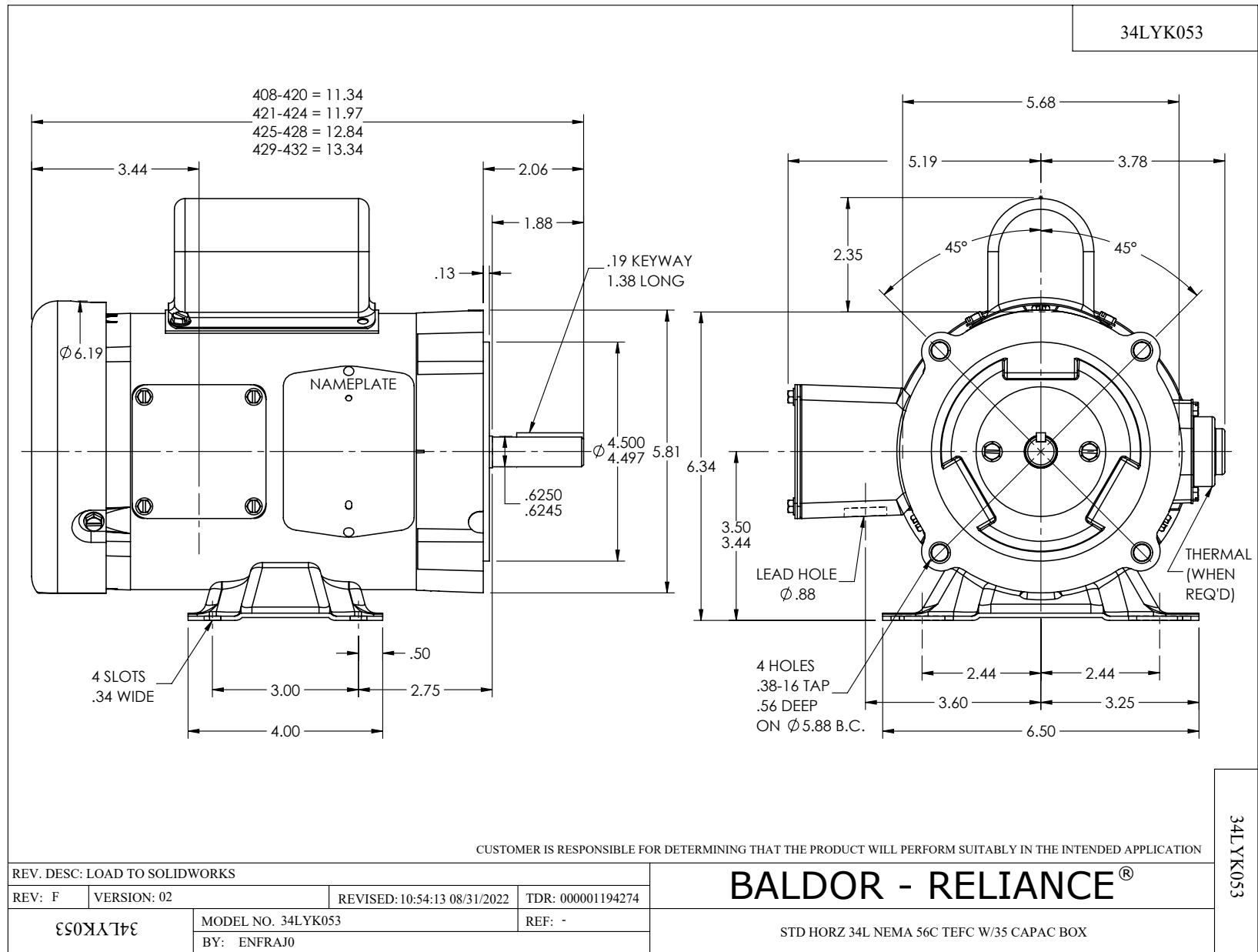
Winding Thermal 2

None

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**Nameplate**

| NP1256L      |                  |      |     |      |   |       |    |   |  |
|--------------|------------------|------|-----|------|---|-------|----|---|--|
| CAT.NO.      | CL3506           |      |     |      |   |       |    |   |  |
| SPEC.        | 34K53-3405       |      |     |      |   |       |    |   |  |
| HP           | .75              |      |     |      |   |       |    |   |  |
| VOLTS        | 115/208-230      |      |     |      |   |       |    |   |  |
| AMP          | 9.6/5-4.8        |      |     |      |   |       |    |   |  |
| RPM          | 3450             |      |     |      |   |       |    |   |  |
| FRAME        | 56C              |      | HZ  | 60   |   |       | PH | 1 |  |
| SER.F.       | 1.25             | CODE | K   | DES  | N | CLASS | F  |   |  |
| NEMA-NOM-EFF | 66               | PF   | 74  |      |   |       |    |   |  |
| RATING       | 40C AMB-CONT     |      |     |      |   |       |    |   |  |
| CC           |                  |      |     |      |   |       |    |   |  |
| DE           | 6203             |      | ODE | 6203 |   |       |    |   |  |
| ENCL         | TEFC             | SN   |     |      |   |       |    |   |  |
|              | SFA 11.6/6.1-5.8 |      |     |      |   |       |    |   |  |



CD0001

