

# ABB BALDOR RELIANCE III

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## Customer information packet

### CEM7040T-I

5//3HP, 1165//975RPM, 3PH, 60//50HZ, 215TC, 3

Class - CLI GP C,D

Division - Division I

**Specifications**

|                                       |                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Enclosure</b>                      | XPFC                                                                                                     |
| <b>Frame</b>                          | 215TC                                                                                                    |
| <b>Frame Material</b>                 | Steel                                                                                                    |
| <b>Frequency</b>                      | 50.00 Hz<br>60.00 Hz                                                                                     |
| <b>Haz Area Class and Group</b>       | CLI GP C,D                                                                                               |
| <b>Haz Area Division</b>              | Division I                                                                                               |
| <b>Motor Letter Type</b>              | Three Phase                                                                                              |
| <b>Output @ Frequency</b>             | 3.000 HP @ 50 HZ<br>5.000 HP @ 60 HZ                                                                     |
| <b>Phase</b>                          | 3                                                                                                        |
| <b>Synchronous Speed @ Frequency</b>  | 1000 RPM @ 50 HZ                                                                                         |
| <b>Voltage @ Frequency</b>            | 380.0 V @ 50 HZ<br>230.0 V @ 60 HZ<br>190.0 V @ 50 HZ<br>460.0 V @ 60 HZ                                 |
| <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>              | 7.200 A @ 460.0 V<br>5.900 A @ 380.0 V<br>15.600 A @ 208.0 V<br>14.400 A @ 230.0 V<br>11.900 A @ 190.0 V |
| <b>Design Code</b>                    | A                                                                                                        |
| <b>Drip Cover</b>                     | No Drip Cover                                                                                            |
| <b>Duty Rating</b>                    | CONT                                                                                                     |
| <b>Efficiency @ 100% Load</b>         | 89.5 %                                                                                                   |
| <b>Electrically Isolated Bearing</b>  | Not Electrically Isolated                                                                                |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | F          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 37M353     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 37WGQ067   |
| <b>Layout</b>       | 37LYM353   |
| <b>Eff. date</b>    | 07-28-2025 |
| <b>CD Diagram</b>   | CD0005     |
| <b>Poles</b>        | 06         |
| <b>Leads</b>        | 9#14 Y     |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 09-22-2017 |

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Feedback Device</b>               | <b>NO FEEDBACK</b>                |
| <b>Front Face Code</b>               | <b>Standard</b>                   |
| <b>Front Shaft Indicator</b>         | <b>None</b>                       |
| <b>Haz Area Temp Code</b>            | <b>T3C</b>                        |
| <b>Heater Indicator</b>              | <b>No Heater</b>                  |
| <b>High Voltage Full Load Amps</b>   | <b>5.9 a</b>                      |
| <b>Insulation Class</b>              | <b>F</b>                          |
| <b>Inverter Code</b>                 | <b>Not Inverter</b>               |
| <b>KVA Code</b>                      | <b>K</b>                          |
| <b>Lifting Lugs</b>                  | <b>Standard Lifting Lugs</b>      |
| <b>Locked Bearing Indicator</b>      | <b>Locked Bearing</b>             |
| <b>Motor Lead Exit</b>               | <b>Ko Box</b>                     |
| <b>Motor Lead Quantity/Wire Size</b> | <b>9 @ 14 AWG</b>                 |
| <b>Motor Lead Termination</b>        | <b>Flying Leads</b>               |
| <b>Motor Standards</b>               | <b>NEMA</b>                       |
| <b>Motor Type</b>                    | <b>3752M</b>                      |
| <b>Mounting Arrangement</b>          | <b>F1</b>                         |
| <b>Number of Poles</b>               | <b>6</b>                          |
| <b>Overall Length</b>                | <b>23.07 IN</b>                   |
| <b>Power Factor</b>                  | <b>71</b>                         |
| <b>Product Family</b>                | <b>General Purpose</b>            |
| <b>Pulley End Bearing Type</b>       | <b>Ball</b>                       |
| <b>Pulley Face Code</b>              | <b>C-Face</b>                     |
| <b>Pulley Shaft Indicator</b>        | <b>Standard</b>                   |
| <b>Rodent Screen</b>                 | <b>None</b>                       |
| <b>Service Factor</b>                | <b>1.15</b>                       |
| <b>Shaft Diameter</b>                | <b>1.375 IN</b>                   |
| <b>Shaft Extension Location</b>      | <b>Pulley End</b>                 |
| <b>Shaft Ground Indicator</b>        | <b>No Shaft Grounding</b>         |
| <b>Shaft Rotation</b>                | <b>Reversible</b>                 |
| <b>Shaft Slinger Indicator</b>       | <b>Shaft Slinger</b>              |
| <b>Speed</b>                         | <b>1165 rpm</b><br><b>975 rpm</b> |
| <b>Speed Code</b>                    | <b>Single Speed</b>               |

|                            |                            |
|----------------------------|----------------------------|
| Starting Method            | Direct on line             |
| Thermal Device - Bearing   | None                       |
| Thermal Device - Winding   | Normally Closed Thermostat |
| Vibration Sensor Indicator | No Vibration Sensor        |
| Winding Thermal 1          | None                       |
| Winding Thermal 2          | None                       |

Nameplate

| NP0977XPSLEV |                    |  |        |   |              |              |         |           |      |     |    |    |
|--------------|--------------------|--|--------|---|--------------|--------------|---------|-----------|------|-----|----|----|
| NO.          |                    |  |        |   |              |              |         | CC        | 010A |     |    |    |
| SER.         |                    |  |        |   |              |              |         | TEMP CODE |      | T3C |    |    |
| SPEC.        | 37M353Q067G2       |  |        |   |              |              |         |           |      |     |    |    |
| CAT.NO.      | CEM7040T-I         |  |        |   |              |              |         |           |      |     |    |    |
| HP           | 5//3               |  |        |   |              |              |         |           |      |     |    |    |
| VOLTS        | 230/460//190/380   |  |        |   |              |              |         |           |      |     |    |    |
| AMPS         | 14.4/7.2//11.9/5.9 |  |        |   |              |              |         |           |      |     |    |    |
| RPM          | 1165//975          |  |        |   |              | MOTOR WEIGHT |         |           | 185  |     |    |    |
| HERTZ        | 60//50             |  | PH     | 3 | CL           | F            | DE BRG  | 6307      |      |     |    |    |
| SER.F.       | 1.15               |  | DES    | A | CODE         | K            | ODE BRG | 6206      |      |     |    |    |
| FRAME        | 215TC              |  | GREASE |   |              | POLYREX EM   |         |           |      |     |    |    |
| RATING       | 40C AMB-CONT       |  |        |   |              |              |         |           |      |     |    |    |
|              |                    |  |        |   | NEMA-NOM-EFF |              |         |           | 89.5 |     | PF | 71 |



