

# ABB BALDOR RELIANCE III

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## Customer information packet

### EM4313T-G

75HP, 3555RPM, 3PH, 60HZ, 365TS, A36068M, TEFC

Class - None

Division - Not Applicable

**Specifications**

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Enclosure                     | TEFC                                                |
| Frame                         | 365TS                                               |
| Frame Material                | Iron                                                |
| Frequency                     | 60.00 Hz                                            |
| Haz Area Class and Group      | None                                                |
| Haz Area Division             | Not Applicable                                      |
| Motor Letter Type             | Three Phase                                         |
| Output @ Frequency            | 75.000 HP @ 60 HZ                                   |
| Phase                         | 3                                                   |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ                                    |
| Voltage @ Frequency           | 230.0 V @ 60 HZ<br>460.0 V @ 60 HZ                  |
| Agency Approvals              | CURUSEEV<br>NEMA PREMIUM<br>NEMA PREMIUM (OLD LOGO) |
| Ambient Temperature           | 40 °C                                               |
| Auxiliary Box                 | NO AUXILLARY BOX                                    |
| Base Indicator                | Rigid                                               |
| Bearing Grease Type           | Polyrex EM (-20F +300F)                             |
| Current @ Voltage             | 161.000 A @ 230.0 V<br>80.700 A @ 460.0 V           |
| Design Code                   | B                                                   |
| Drip Cover                    | No Drip Cover                                       |
| Duty Rating                   | CONT                                                |
| Efficiency @ 100% Load        | 93.6 %                                              |
| Feedback Device               | NO FEEDBACK                                         |
| Heater Indicator              | No Heater                                           |
| High Voltage Full Load Amps   | 80.7 a                                              |
| Insulation Class              | H                                                   |
| Inverter Code                 | Inverter Duty                                       |
| KVA Code                      | G                                                   |
| Lifting Lugs                  | Standard Lifting Lugs                               |

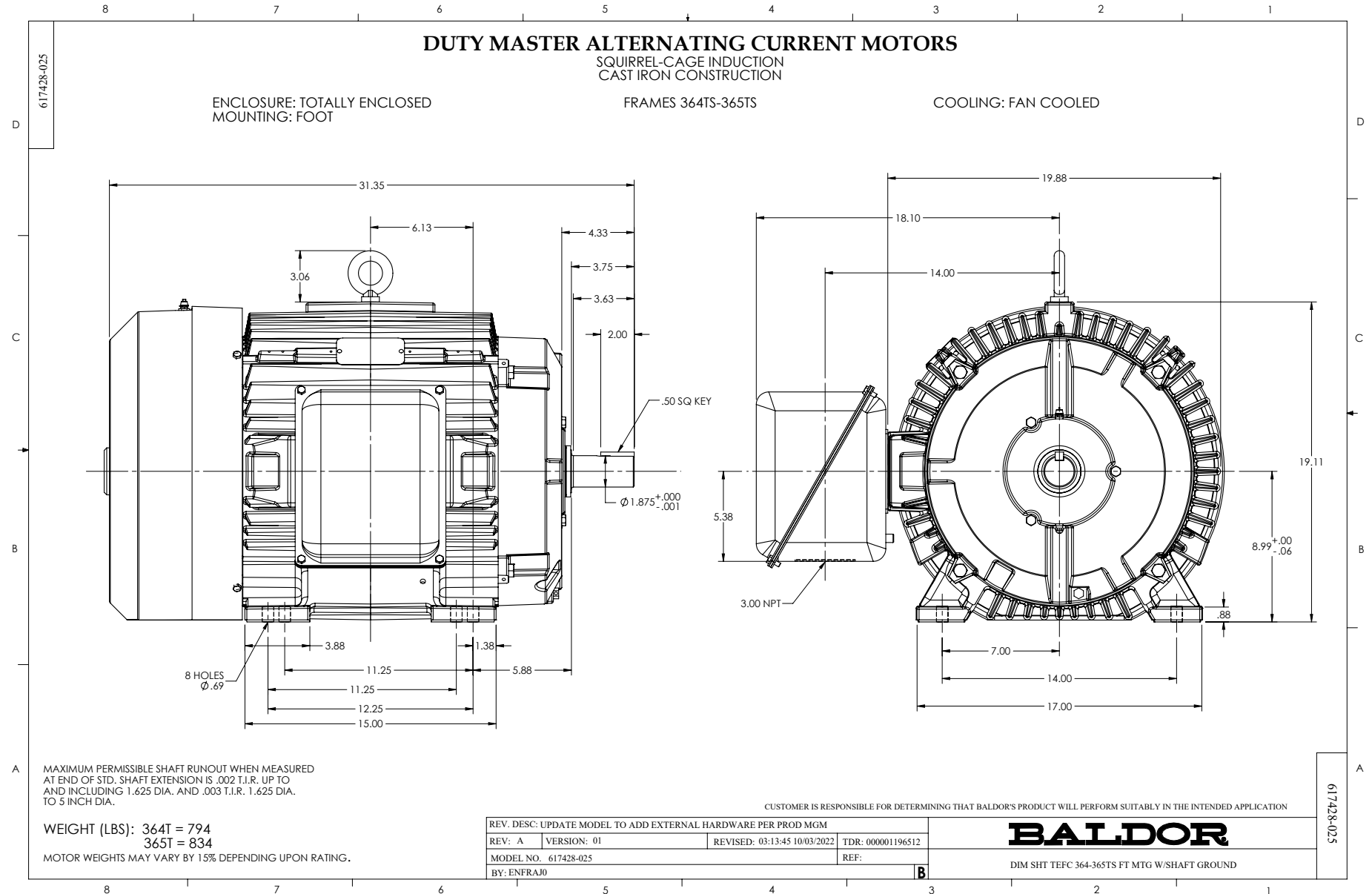
**Part Detail**

|              |            |
|--------------|------------|
| Revision     | G          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | A36WG1545  |
| Layout       | 617428-025 |
| Eff. date    | 05-15-2026 |
| CD Diagram   | 416820-002 |
| Poles        | 02         |
| Leads        | 3#2,6#4    |
| Proprietary  | False      |
| Created date | 05-27-2020 |

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Max Speed</b>                     | 4500 rpm           |
| <b>Motor Lead Quantity/Wire Size</b> | 3 @ 2 AWG          |
| <b>Motor Standards</b>               | NEMA               |
| <b>Motor Type</b>                    | A36068M            |
| <b>Mounting Arrangement</b>          | F1                 |
| <b>Number of Poles</b>               | 2                  |
| <b>Overall Length</b>                | 31.36 IN           |
| <b>Power Factor</b>                  | 92                 |
| <b>Product Family</b>                | General Industrial |
| <b>Pulley End Bearing Type</b>       | Ball               |
| <b>Pulley Face Code</b>              | Standard           |
| <b>Service Factor</b>                | 1.15               |
| <b>Shaft Diameter</b>                | 1.875 IN           |
| <b>Shaft Ground Indicator</b>        | Shaft Grounding    |
| <b>Shaft Rotation</b>                | Reversible         |
| <b>Shaft Slinger Indicator</b>       | No Slinger         |
| <b>Speed</b>                         | 3555 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               |

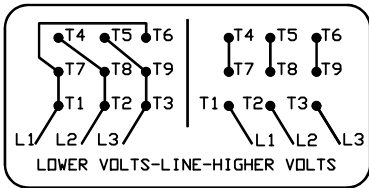
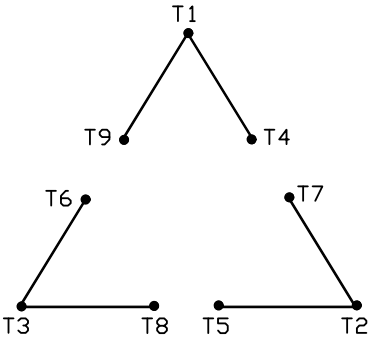
**Nameplate**
**NP3979LUA**

|               |   |                            |       |               |     |        |      |              |      |        |       |      |       |               |      |   |
|---------------|---|----------------------------|-------|---------------|-----|--------|------|--------------|------|--------|-------|------|-------|---------------|------|---|
| CAT #         |   | EM4313T-G                  |       |               |     | SER    |      |              |      | CC     |       | 010A |       |               |      |   |
| SPEC          |   | A36-0001-1545              |       |               |     | RATING |      | 40C AMB-CONT |      |        |       |      |       |               |      |   |
| HZ            |   | VOLTS                      |       | AMPS          |     | RPM    |      | HP           | CODE |        | SF    | DES  | PF    | NEMA NOM. EFF |      |   |
| 60            |   | 230/460                    |       | 161/80.7      |     | 3555   |      | 75           | G    |        | 1.15  | B    | 92    | %             | 93.6 | % |
|               |   | -                          |       |               |     |        |      |              |      |        |       |      |       | %             |      | % |
| PH            | 3 | CL                         | H     | MAX CORR KVAR |     | 6.5    |      |              |      |        |       |      |       |               |      |   |
| BRG           |   | DE                         | 6313  | ODE           |     | 6313   | ENCL | TEFC         | FR   |        | 365TS |      | 54    |               |      |   |
| GREASE        |   | POLYREX EM                 |       |               |     |        |      |              |      | MTR WT |       | 966  | LBS   |               |      |   |
| USABLE AT     |   | 50HZ 60HP 190/380V 158/79A |       |               |     |        |      |              |      | SF1.0  |       |      |       |               |      |   |
| INVERTER DUTY |   | CT                         | 15-60 | HZ            | 4:1 | VT     | 3-60 | HZ           | 20:1 | CHP    | 60-75 | HZ   | 1.5:1 | 1.0 SF VPWM   |      |   |
| MAX RPM       |   | 4500                       |       |               |     |        |      |              |      |        |       |      |       |               |      |   |
|               |   |                            |       |               |     |        |      |              |      |        |       |      |       |               |      |   |



416820-002

A-C MOTOR  
CONNECTION DIAGRAM  
STANDARD 9 LEAD DELTA-CONNECTED



( N. P. 1575-B )

416820-002

|                                 |                              |                   |
|---------------------------------|------------------------------|-------------------|
| REV. DESC: ADJUST TEXT DARKNESS |                              |                   |
| REV. LTR: B                     | VERSION: 02                  | TDR: 000001285318 |
| FILE: \RAG\00022\453            | REVISED: 09:36:26 09/24/2026 | BY: USJOSUL       |
| MTL: -                          |                              |                   |



CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED  
SH1 of 1