

# ABB BALDOR RELIANCE III

---

## Customer information packet

### CFSWDM41900T

15HP, 1180RPM, 3PH, 60HZ, 284TC, 4072M, TEFC, F

**Specifications**

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                     |
| <b>Frame</b>                          | 284TC                                    |
| <b>Frame Material</b>                 | Stainless Steel                          |
| <b>Frequency</b>                      | 60.00 Hz                                 |
| <b>Motor Letter Type</b>              | Three Phase                              |
| <b>Output @ Frequency</b>             | 15.000 HP @ 60 HZ                        |
| <b>Phase</b>                          | 3                                        |
| <b>Synchronous Speed @ Frequency</b>  | 1200 RPM @ 60 HZ                         |
| <b>Voltage @ Frequency</b>            | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ       |
| <b>Agency Approvals</b>               | CSA<br>NEMA PREMIUM<br>UR                |
| <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>              | 20.000 A @ 460.0 V<br>40.000 A @ 230.0 V |
| <b>Design Code</b>                    | A                                        |
| <b>Drip Cover</b>                     | No Drip Cover                            |
| <b>Duty Rating</b>                    | CONT                                     |
| <b>Efficiency @ 100% Load</b>         | 91.7 %                                   |
| <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                                     |
| <b>Heater Indicator</b>               | No Heater                                |
| <b>High Voltage Full Load Amps</b>    | 20.0 a                                   |
| <b>Insulation Class</b>               | H                                        |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | K          |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 40E429     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 40WGX382   |
| <b>Layout</b>       | 40LYE429   |
| <b>Eff. date</b>    | 09-22-2023 |
| <b>CD Diagram</b>   | CD0180     |
| <b>Poles</b>        | 06         |
| <b>Leads</b>        | 9#10 Y     |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 06-06-2017 |

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Inverter Code</b>                 | <b>Inverter Ready</b>             |
| <b>KVA Code</b>                      | <b>H</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 @ 10 AWG</b>                 |
| <b>Motor Lead Termination</b>        | <b>Flying Leads</b>               |
| <b>Motor Standards</b>               | <b>NEMA</b>                       |
| <b>Motor Type</b>                    | <b>4072M</b>                      |
| <b>Mounting Arrangement</b>          | <b>F1</b>                         |
| <b>Number of Poles</b>               | <b>6</b>                          |
| <b>Overall Length</b>                | <b>28.14 IN</b>                   |
| <b>Power Factor</b>                  | <b>78</b>                         |
| <b>Product Family</b>                | <b>WD All SD Non-Encapsulated</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>RoHS Status</b>                   | <b>ROHS COMPLIANT</b>             |
| <b>Service Factor</b>                | <b>1.15</b>                       |
| <b>Shaft Diameter</b>                | <b>1.875 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>No Slinger</b>                 |
| <b>Speed</b>                         | <b>1180 rpm</b>                   |
| <b>Speed Code</b>                    | <b>Single Speed</b>               |
| <b>Starting Method</b>               | <b>Direct on line</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**

| NP4427AAA05 |              |      |        |         |    |       |               |      |       |      |     |   |  |
|-------------|--------------|------|--------|---------|----|-------|---------------|------|-------|------|-----|---|--|
| CAT #       | CFSWDM41900T |      |        |         |    |       | LBS           |      |       |      |     |   |  |
| SPEC        | 40E429X382G1 |      |        |         |    |       | ENCL          | TEFC |       |      |     |   |  |
| SER #       |              |      |        |         |    |       | CC            | 010A | IP    | 69   |     |   |  |
| HP          | 15           |      |        | MAG CUR |    |       | 18.6/9.3      |      |       |      |     |   |  |
| VOLTS       | 230/460      |      |        |         |    |       | NEMA NOM. EFF |      |       | 91.7 |     |   |  |
| AMPS        | 40/20        |      |        |         |    |       | PF            | 78   |       |      |     |   |  |
| RATING      | 40C AMB-CONT |      |        |         |    |       |               |      |       |      |     |   |  |
| RPM         | 1180         |      |        |         |    |       | MAX RPM       |      | 1800  |      |     |   |  |
| FRAME       | 284TC        |      | HZ     |         | 60 |       | CODE          | H    | CLASS | H    |     |   |  |
| SER.F.      | 1.15         |      | SF AMP |         |    |       |               |      | PH    | 3    | DES | A |  |
| DE          | 6311         |      |        | ODE     |    | 6311  |               |      |       |      |     |   |  |
| LUBRICATION | POLYREX EM   |      |        |         |    |       |               |      |       |      |     |   |  |
| ID LOGO     | VPWM         | CHP  | 60     | TO      | 90 | 1.5:1 |               |      |       |      |     |   |  |
| ID LOGO     | WK2          | 8.82 | CT     | 30      | TO | 60    | 2:1           |      |       |      |     |   |  |
| ID LOGO     | SL HZ        | 1    | VT     | 6       | TO | 60    | 10:1          |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             |              |      |        |         |    |       |               |      |       |      |     |   |  |
|             | </           |      |        |         |    |       |               |      |       |      |     |   |  |

**AC Induction Motor Performance Data**

Record # 68283

Typical performance - not guaranteed values

| Winding: 40WGX382-R001 |    |              |              | Type: 4072M                              |                       | Enclosure: TEFC |           |
|------------------------|----|--------------|--------------|------------------------------------------|-----------------------|-----------------|-----------|
| Nameplate Data         |    |              |              | 460 V, 60 Hz:<br>High Voltage Connection |                       |                 |           |
| Rated Output (HP)      |    | 15           |              | Full Load Torque                         |                       | 66.92 LB-FT     |           |
| Volts                  |    | 230/460      |              | Start Configuration                      |                       | direct on line  |           |
| Full Load Amps         |    | 40/20        |              | Breakdown Torque                         |                       | 207 LB-FT       |           |
| R.P.M.                 |    | 1180         |              | Pull-up Torque                           |                       | 101 LB-FT       |           |
| Hz                     | 60 | Phase        | 3            | Locked-rotor Torque                      |                       | 125 LB-FT       |           |
| NEMA Design Code       |    | A            | KVA Code     | H                                        | Starting Current      |                 | 127 A     |
| Service Factor (S.F.)  |    | 1.15         |              | No-load Current                          |                       | 9.3 A           |           |
| NEMA Nom. Eff.         |    | 91.7         | Power Factor | 78                                       | Line-line Res. @ 25°C |                 | 0.49611 Ω |
| Rating - Duty          |    | 40C AMB-CONT |              | Temp. Rise @ Rated Load                  |                       | 49°C            |           |
| S.F. Amps              |    |              |              | Temp. Rise @ S.F. Load                   |                       | 59°C            |           |
|                        |    |              |              | Locked-rotor Power Factor                |                       | 30.2            |           |

**Load Characteristics 460 V, 60 Hz, 15 HP**

| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor    | 38     | 60     | 72     | 78     | 80     | 82     | 79   |
| Efficiency      | 88.7   | 92.7   | 93.4   | 93.2   | 92.7   | 91.8   | 92.9 |
| Speed           | 1195.1 | 1191.1 | 1186.7 | 1181.9 | 1176.7 | 1170.8 | 1179 |
| Line amperes    | 10.3   | 12.6   | 15.8   | 19.5   | 23.6   | 28.2   | 22   |

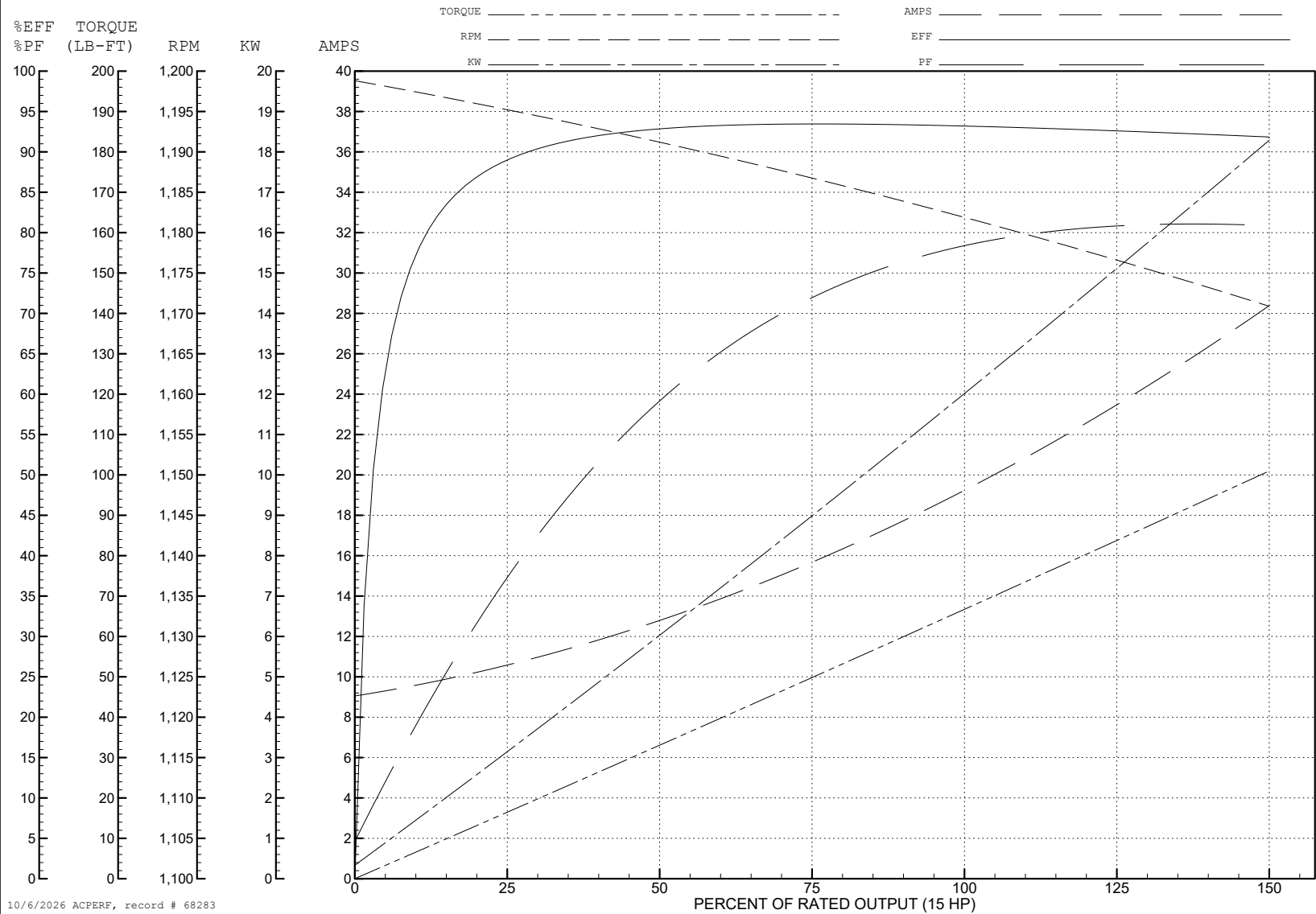
ABB Motors and Mechanical Inc.

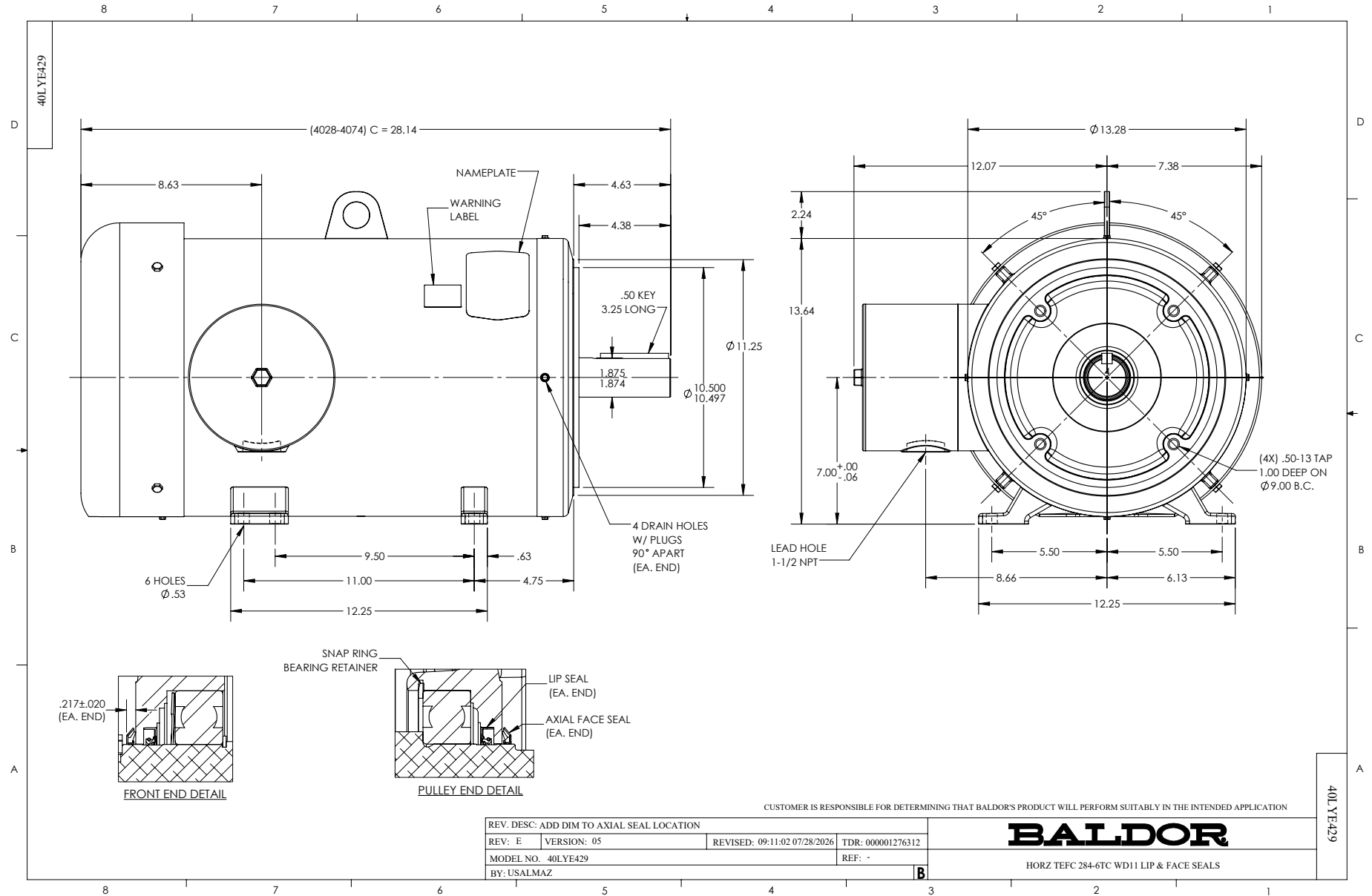
WINDING # 40WGX382

Typical performance - not guaranteed values.

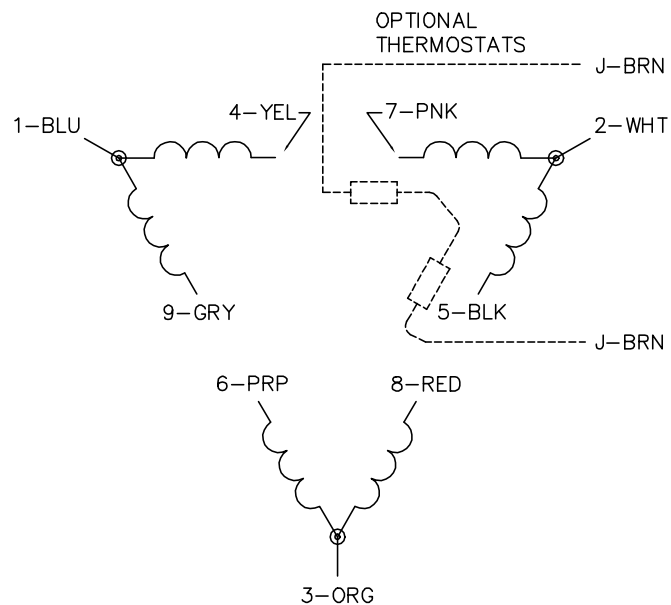
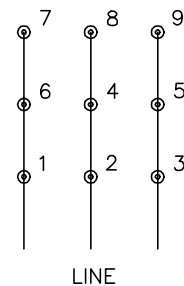
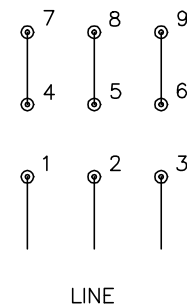
15 HP 3 PH 60 HZ 1180 RPM 460 V 4072M

TORQUES (LB-FT): PO=207 PU=101 LR=125 LRA=127





CD0180


 LOW VOLTAGE  
(2D)

 HIGH VOLTAGE  
(1D)

**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.

CD0180

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: -


**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1