

# ABB BALDOR RELIANCE III

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## Customer information packet

### CESSWDM3714T

10HP, 1770RPM, 3PH, 60HZ, 215TC, 3756M, TEFC, F

Class - None

Division - Not Applicable

**Specifications**

|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| <b>Enclosure</b>                      | TEFC                                                           |
| <b>Frame</b>                          | 215TC                                                          |
| <b>Frame Material</b>                 | Stainless 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>              | Three Phase                                                    |
| <b>Output @ Frequency</b>             | 10.000 HP @ 60 HZ                                              |
| <b>Phase</b>                          | 3                                                              |
| <b>Synchronous Speed @ Frequency</b>  | 1800 RPM @ 60 HZ                                               |
| <b>Voltage @ Frequency</b>            | 230.0 V @ 60 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>              | 12.500 A @ 460.0 V<br>25.000 A @ 230.0 V<br>26.700 A @ 208.0 V |
| <b>Design Code</b>                    | B                                                              |
| <b>Drip Cover</b>                     | No Drip Cover                                                  |
| <b>Duty Rating</b>                    | CONT                                                           |
| <b>Efficiency @ 100% Load</b>         | 92.4 %                                                         |
| <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>    | 12.5 a                                                         |
| <b>Insulation Class</b>               | F                                                              |

**Part Detail**

|                     |            |
|---------------------|------------|
| <b>Revision</b>     | AB         |
| <b>Type</b>         | AC         |
| <b>Mech. spec.</b>  | 37J639     |
| <b>Base</b>         |            |
| <b>Status</b>       | PRD/A      |
| <b>Elec. spec.</b>  | 37WGT857   |
| <b>Layout</b>       | 37LYJ639   |
| <b>Eff. date</b>    | 12-18-2024 |
| <b>CD Diagram</b>   | CD0180     |
| <b>Poles</b>        | 04         |
| <b>Leads</b>        | 9#14       |
| <b>Proprietary</b>  | False      |
| <b>Created date</b> | 07-19-2006 |

|                                      |                               |
|--------------------------------------|-------------------------------|
| <b>Inverter Code</b>                 | Not Inverter                  |
| <b>KVA Code</b>                      | K                             |
| <b>Lifting Lugs</b>                  | Standard Lifting Lugs         |
| <b>Locked Bearing Indicator</b>      | Locked Bearing                |
| <b>Motor Lead Exit</b>               | Ko Box                        |
| <b>Motor Lead Quantity/Wire Size</b> | 9 @ 14 AWG                    |
| <b>Motor Lead Termination</b>        | Flying Leads                  |
| <b>Motor Standards</b>               | NEMA                          |
| <b>Motor Type</b>                    | 3756M                         |
| <b>Mounting Arrangement</b>          | F1                            |
| <b>Number of Poles</b>               | 4                             |
| <b>Overall Length</b>                | 21.66 IN                      |
| <b>Power Factor</b>                  | 81                            |
| <b>Product Family</b>                | Wash Down All Stainless Steel |
| <b>Pulley End Bearing Type</b>       | Sealed Bearing                |
| <b>Pulley Face Code</b>              | C-Face                        |
| <b>Pulley Shaft Indicator</b>        | Standard                      |
| <b>Rodent Screen</b>                 | None                          |
| <b>Service Factor</b>                | 1.15                          |
| <b>Shaft Diameter</b>                | 1.375 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>                         | 1770 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                          |
| <b>Winding Thermal 2</b>             | None                          |

**Nameplate**

| NP1953C02    |              |    |      |                |   |      |  |    |       |   |   |
|--------------|--------------|----|------|----------------|---|------|--|----|-------|---|---|
| CAT.NO.      | CESSWDM3714T |    |      |                |   |      |  |    |       |   |   |
| SPEC.        | 37J639T857G1 |    |      |                |   |      |  |    |       |   |   |
| HP           | 10           |    |      |                |   |      |  |    |       |   |   |
| VOLTS        | 230/460      |    |      |                |   |      |  |    |       |   |   |
| AMP          | 25/12.5      |    |      |                |   |      |  |    |       |   |   |
| RPM          | 1770         |    |      |                |   |      |  |    |       |   |   |
| FRAME        | 215TC        |    |      | HZ             |   | 60   |  | PH |       | 3 |   |
| SER.F.       | 1.15         |    | CODE |                | K | DES  |  | B  | CLASS |   | F |
| NEMA-NOM-EFF | 92.4         |    |      | PF             |   | 81   |  |    |       |   |   |
| RATING       | 40C AMB-CONT |    |      |                |   |      |  |    |       |   |   |
| CC           | 010A         |    |      | USABLE AT 208V |   |      |  |    | N/A   |   |   |
| DE           | 6307         |    |      | ODE            |   | 6206 |  |    |       |   |   |
| ENCL         | TEFC         | SN |      |                |   |      |  |    |       |   |   |
|              | 4:1CT 20:1VT |    |      |                |   |      |  |    |       |   |   |

**Parts List**

| Part number | Description                              | Quantity |
|-------------|------------------------------------------|----------|
| SA147560    | SA 37J639T857G1                          | 1.000 ea |
| RA136601    | RA 37J639T857G1                          | 1.000 ea |
| 37FN3002B01 | EXFN, PLASTIC, 7.50 OD, 1.155 ID         | 1.000 ea |
| HW3200S01   | EYEBOLT 3/8-16 X3/4 S.S. TDR #35988      | 1.000 ea |
| 37CB1004A01 | CONDUIT BOX, MACH                        | 1.000 ea |
| 37GS3011    | 1/8"WHITE NEOPRENE BOX GS                | 1.000 ea |
| 51XW2520A12 | .25-20 X .75, TAPTITE II, HEX WSHR SLTD  | 2.000 ea |
| HA5027A02   | HA4054 T-DRAIN X2 BAGGED WITH LABEL      | 1.000 ea |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 ea |
| HW3001B02   | BRASS CUP WASHER W/GROUND SYMBOL TAB,    | 1.000 ea |
| 37EP1907A01 | FRONT TEFC 206 BRG NO GRSR S/P 9-2 (STAI | 1.000 ea |
| HW4500S33   | 1/8 NPT STAINLESS #304 SS PLUG           | 3.000 ea |
| HW4606A03   | JM CLIPPER/SEAL (LWE-1156-1875-AL44)     | 1.000 ea |
| HW5100A06   | W2420-025 WVY WSHR (WB)                  | 1.000 ea |
| 37EP1908A02 | PU EP FOR LOCKED 307 BRG                 | 1.000 ea |
| HW4500S33   | 1/8 NPT STAINLESS #304 SS PLUG           | 3.000 ea |
| HW4606A04   | JM CLIPPER/SEAL (LWE-1376-2125-AL45)     | 1.000 ea |
| 10XN2520S32 | 1/4-20 X 2 HEX HEAD SS                   | 4.000 ea |
| XY3118S12   | 5/16-18 HEX NUT, STAINLESS STEEL         | 4.000 ea |
| 37FH4000A45 | STAINLESS FAN COVER, NO GREASER SLOT (FO | 1.000 ea |
| 10XN1032S06 | HEX HD CAP SCREW, SS                     | 3.000 ea |
| 36CB4517    | LIPPED CB LID #304 STAINLESS - CLEANED   | 1.000 ea |
| 37GS3010SP  | 1/16"WHITE LID GASKET                    | 1.000 ea |
| 59XN0832S07 | 8/32 X 7/16 HX WS HD SER X               | 4.000 ea |
| HW2502F21   | #303 SS,SQ KEY 5/16 X 2.375              | 1.000 ea |
| HA7000A02   | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA  | 1.000 ea |
| MJ5001A02   | 732 CL SEALANT 3 OZ DIXIE BEARING 289100 | 0.001 ea |
| MJ1000A02   | GREASE, POLYREX EM EXXON                 | 0.050 lb |
| 51XB1214A20 | 12-14X1.25 HXWSSLD SERTYB                | 1.000 ea |
| HA3104S37   | THRUBOLT- .31-18 X 15.312 SS             | 4.000 ea |
| 37PA1074    | PALLET PACK GRP, PRINT BOX PK1026A06     | 1.000 ea |

|            |                                         |          |
|------------|-----------------------------------------|----------|
| MN416A01   | TAG-INSTAL-MAINT no wire (2500 bx)11/25 | 1.000 ea |
| FE-0000007 | ZRTG FE ASSEMBLY                        | 1.000 ea |
| PE-0000012 | ZRTG PE ASSEMBLY                        | 1.000 ea |

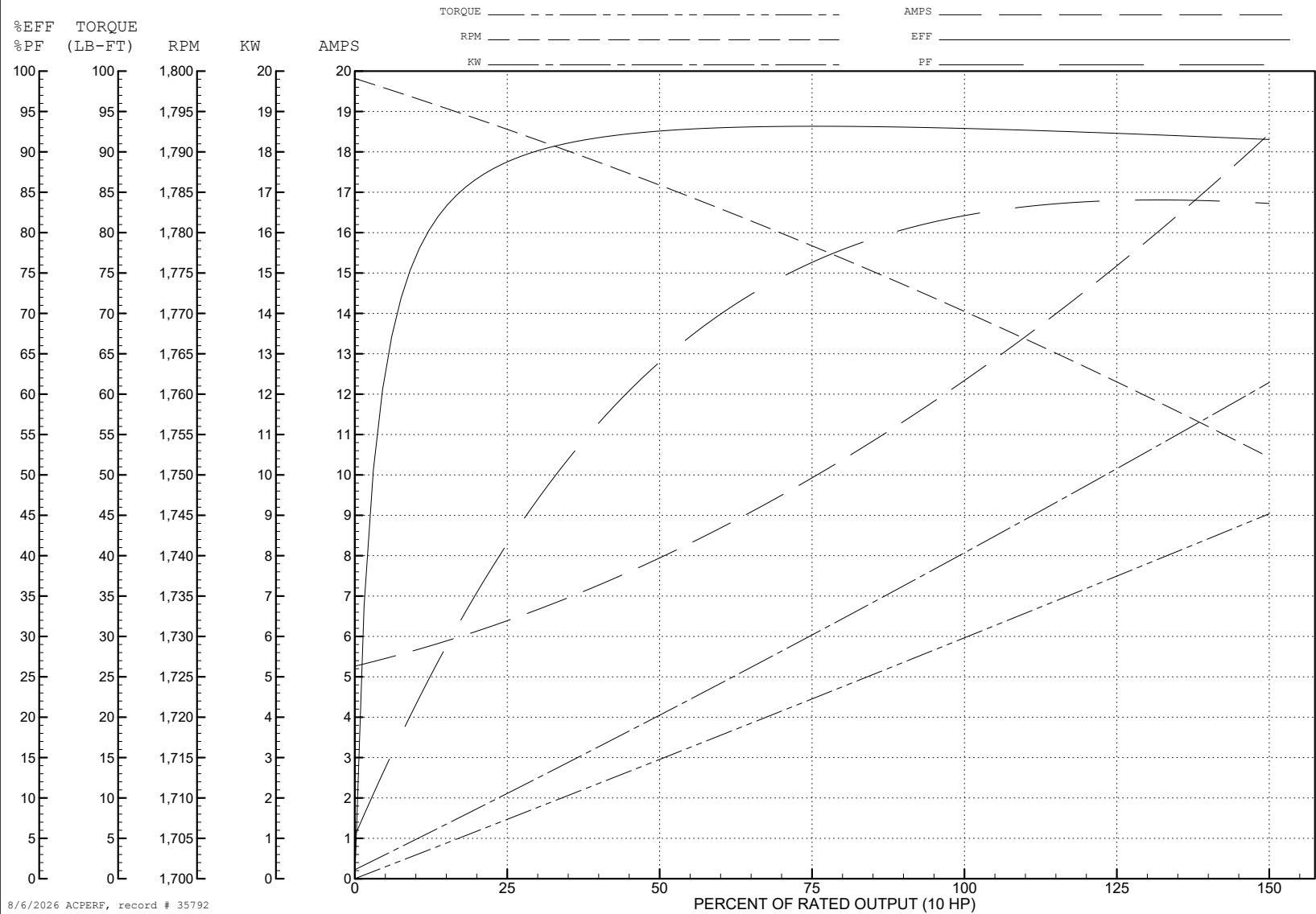
ABB Motors and Mechanical Inc.

WINDING # 37WGT857

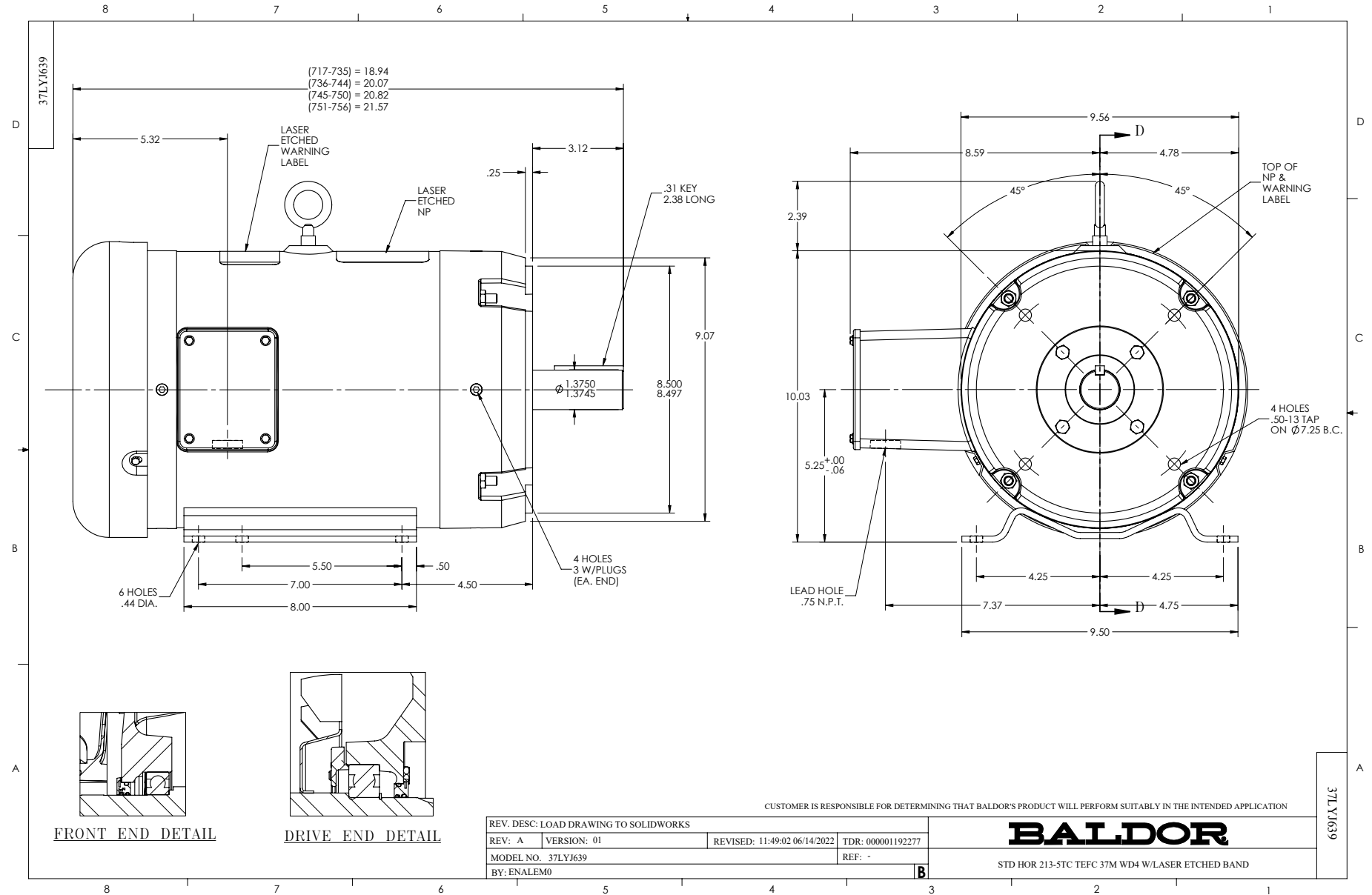
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1770 RPM 460 V 3756M

TORQUES (LB-FT): PO=102 PU=53.6 LR=74.2 LRA=105



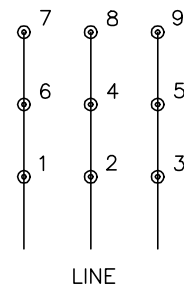
8/6/2026 ACPERF, record # 35792



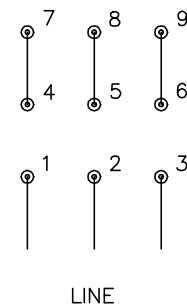
CD0180



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