ABB BALDOR RELIANCE

# Customer information packet

## CECP3587T-5

2HP, 1765RPM, 3PH, 60HZ, 145TC, 0528M, TEFC, F1
Class - CLI GP A,B,C,D
Division - Division II

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10/10/2026 12:12:42 AM

## Specifications

| | |
|---|---|
| **Enclosure** | TEFC |
| **Frame** | 145TC |
| **Frame Material** | Iron |
| **Frequency** | 60.00 Hz |
| **Haz Area Class and Group** | CLI GP A,B,C,D |
| **Haz Area Division** | Division II |
| **Motor Letter Type** | Three Phase |
| **Output @ Frequency** | 2.000 HP @ 60 HZ |
| **Phase** | 3 |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage @ Frequency** | 575.0 V @ 60 HZ |
| **Agency Approvals** | CSA EEV |
| | NEMA PREMIUM |
| | NEMA_PREMIUM |
| | UR |
| | CCSA US |
| **Ambient Temperature** | 40 °C |
| **Auxiliary Box** | NO AUXILLARY BOX |
| **Auxiliary Box Lead Termination** | None |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Blower** | None |
| **Current @ Voltage** | 2.300 A @ 575.0 V |
| **Design Code** | B |
| **Drip Cover** | No Drip Cover |
| **Duty Rating** | CONT |
| **Efficiency @ 100% Load** | 86.5 % |
| **Electrically Isolated Bearing** | Not Electrically Isolated |
| **Feedback Device** | NO FEEDBACK |
| **Front Shaft Indicator** | None |
| **Haz Area Temp Code** | T4 |
| **Heater Indicator** | No Heater |

## Part Detail

| | |
|---|---|
| **Revision** | D |
| **Type** | AC |
| **Mech. spec.** | 05F007 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 05WGX552 |
| **Layout** | 05LYF007 |
| **Eff. date** | 09-25-2026 |
| **CD Diagram** | CD0006 |
| **Poles** | 04 |
| **Leads** | 3#18 |
| **Proprietary** | False |
| **Created date** | 12-20-2023 |

| | |
|---|---|
| **High Voltage Full Load Amps** | 2.3 a |
| **Insulation Class** | F |
| **Inverter Code** | Not Inverter |
| **KVA Code** | L |
| **Lifting Lugs** | Standard Lifting Lugs |
| **Locked Bearing Indicator** | Locked Bearing |
| **Motor Lead Quantity/Wire Size** | 3 @ 18 AWG |
| **Motor Lead Termination** | Flying Leads |
| **Motor Standards** | NEMA |
| **Motor Type** | 0528M |
| **Mounting Arrangement** | F1 |
| **Number of Poles** | 4 |
| **Overall Length** | 13.38 IN |
| **Power Factor** | 75 |
| **Product Family** | Chemical Processing (Not DC) |
| **Pulley End Bearing Type** | Ball |
| **Pulley Face Code** | C-Face |
| **Pulley Shaft Indicator** | Standard |
| **Rodent Screen** | None |
| **RoHS Status** | ROHS COMPLIANT |
| **Service Factor** | 1.15 |
| **Shaft Diameter** | 0.875 IN |
| **Shaft Ground Indicator** | No Shaft Grounding |
| **Shaft Rotation** | Reversible |
| **Shaft Slinger Indicator** | Shaft Slinger |
| **Speed** | 1765 rpm |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Bearing** | None |
| **Thermal Device - Winding** | None |
| **Vibration Sensor Indicator** | No Vibration Sensor |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

| NP3257 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | CECP3587T-5 | | | | | | | |
| **SPEC.** | 05F007X552G1 | | | | | | | |
| **HP** | 2 TE | | | | | | | |
| **VOLTS** | 575 | | | | | | | |
| **AMP** | 2.3 | | | | | | | |
| **RPM** | 1765 | | | | | | | |
| **FRAME** | 145TC | **HZ** | 60 | | **PH** | 3 | | |
| **SER.F.** | 1.15 | **CODE** | L | **DES** | B | **CL** | F | |
| **RATING** | 40C AMB-CONT | | | | | | | |
| **SN** | | | | | | | | |
| **DE** | 6205 | **ODE** | 6205 | | | | | |
| **NEMA-NOM-EFF** | 86.5 | **PF** | 75 | | | | | |
| **G.MIN.EFF** | 86.5 | **CC** | 010A | | | | | |
| **T. CODE** | T4 | **T=** | 135 | | | | | |

| NP3260 | |
|---|---|
| **SPEC.** | 05F007X552G1 |
| **D.E. BRG.** | 25BC02XP30X |
| **O.D.E. BRG.** | 25BC02XP30X |
| **GREASE** | POLYREX EM |
| **RPM MAX** | **MAX. KVAR** |
| | |
| **BLANK** | SFA 2.6 |
| **INV.TYPE** | |
| **T=** | |
| **C HP FR** | **C HP TO** |
| **CT HZ FROM** | **CT HZ TO** |
| **VT HZ FROM** | **VT HZ TO** |
| **HTR-VOLTS** | **HTR-AMPS** |
| **HTR-WATTS** | **MAX. SPACE HEATER TEMP.** |

**AC Induction Motor Performance Data**
Record # 98658
Typical performance - not guaranteed values

| **Winding:** 05WGX552-R006 | **Type:** 0528M | **Enclosure:** TEFC |
|---|---|---|

| **Nameplate Data** | | | | **575 V, 60 Hz: Single Voltage Motor** | |
|---|---|---|---|---|---|
| **Rated Output (HP)** | | | 2 | **Full Load Torque** | 5.96 LB-FT |
| **Volts** | | | 575 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 2.3 | **Breakdown Torque** | 24.3 LB-FT |
| **R.P.M.** | | | 1765 | **Pull-up Torque** | 12 LB-FT |
| **Hz** | 60 | **Phase** | 3 | **Locked-rotor Torque** | 16.2 LB-FT |
| **NEMA Design Code** | B | **KVA Code** | L | **Starting Current** | 18.9 A |
| **Service Factor (S.F.)** | | | 1.15 | **No-load Current** | 1.46 A |
| **NEMA Nom. Eff.** | 86.5 | **Power Factor** | 75 | **Line-line Res. @ 25ºC** | 15.5 Ω |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 41°C |
| **S.F. Amps** | | | 2.6 | **Temp. Rise @ S.F. Load** | 50°C |
| | | | | **Locked-rotor Power Factor** | 57 |
| | | | | **Rotor inertia** | 0.202 lb-ft² |

**Load Characteristics 575 V, 60 Hz, 2 HP**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 33 | 53 | 66 | 75 | 80 | 83 | 78 |
| **Efficiency** | 76 | 84 | 86 | 86 | 86 | 84 | 86 |
| **Speed** | 1790 | 1782 | 1773 | 1763 | 1753 | 1741 | 1757 |
| **Line amperes** | 1.5 | 1.68 | 1.97 | 2.32 | 2.74 | 3.21 | 2.57 |

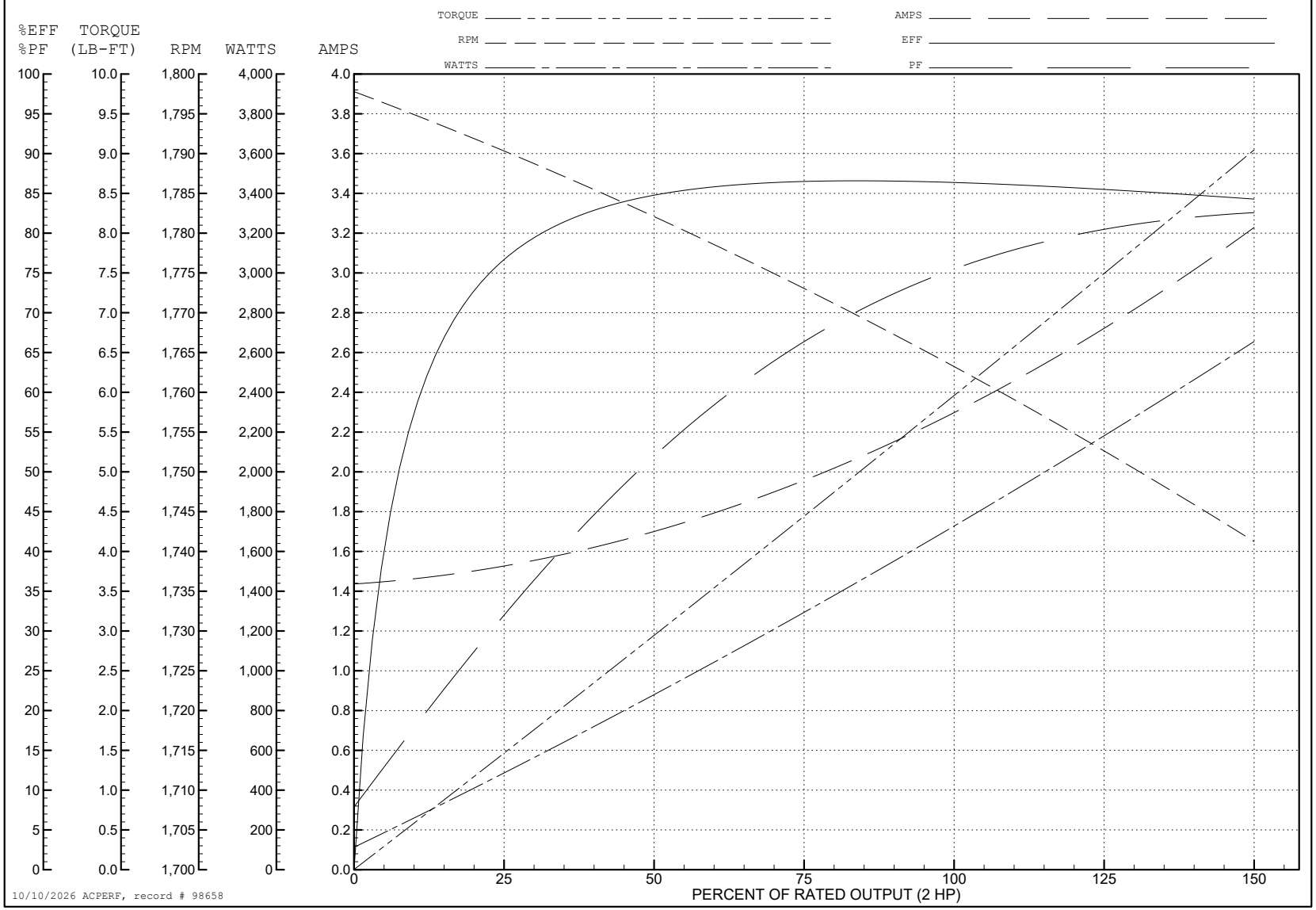
ABB Motors and Mechanical Inc.

WINDING # 05WGX552

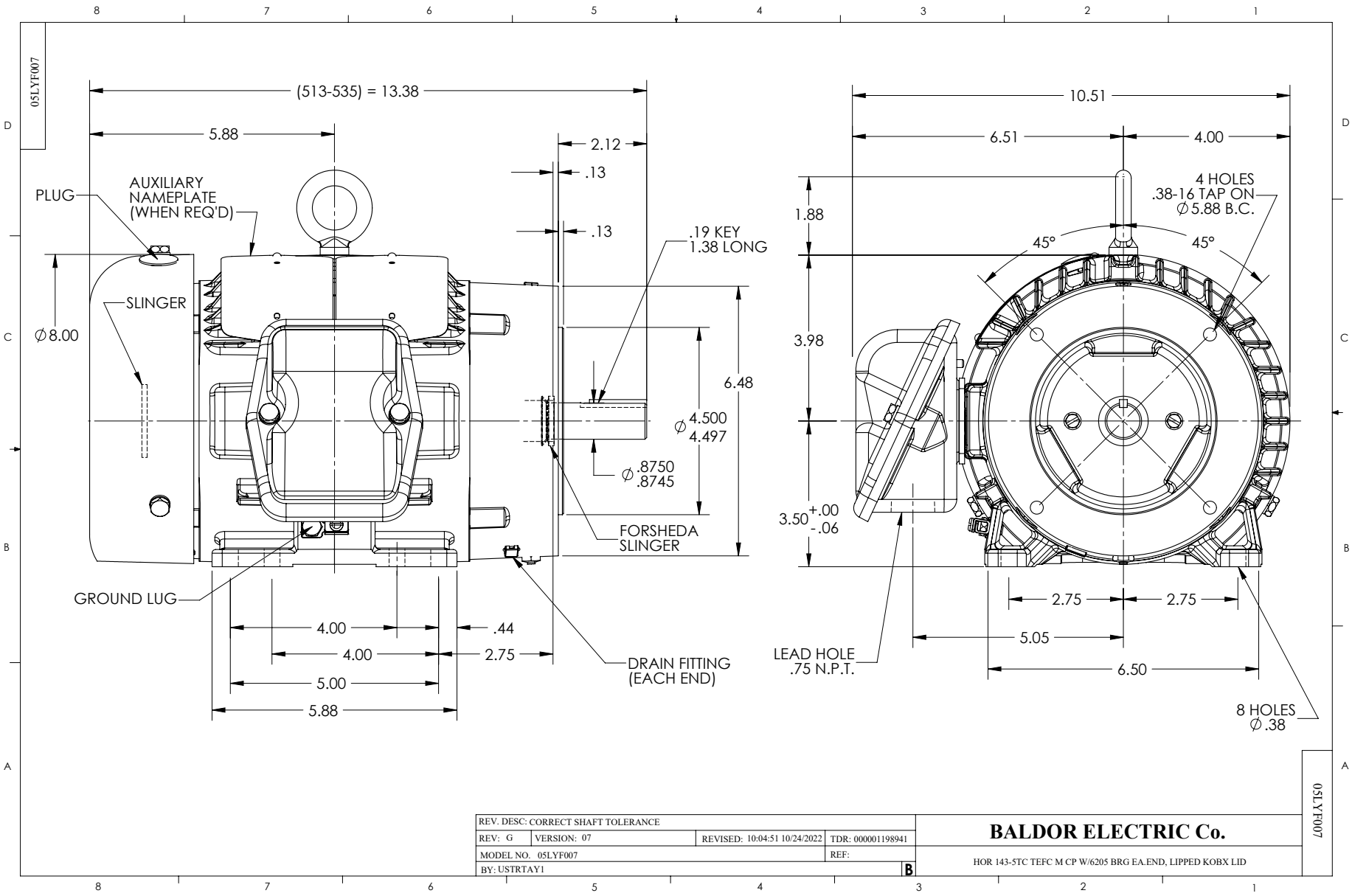
2 HP 3 PH 60 HZ 1765 RPM 575 V 0528M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=24.3 PU=12 LR=16.2 LRA=18.9

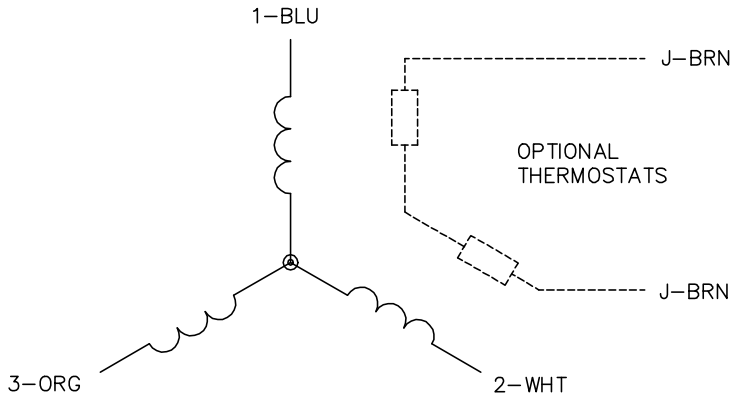


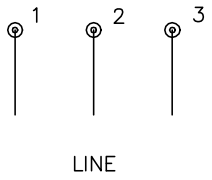

10/10/2026 ACPERF, record # 98658


05LYF007
(513-535) = 13.38
5.88
2.12
.13
.13
.19 KEY
1.38 LONG
PLUG
AUXILIARY
NAMEPLATE
(WHEN REQ'D)
SLINGER
∅8.00
6.48
∅4.500
4.497
∅.8750
.8745
FORSHEDA
SLINGER
GROUND LUG
4.00
.44
4.00
2.75
5.00
5.88
DRAIN FITTING
(EACH END)
10.51
6.51
4.00
4 HOLES
.38-16 TAP ON
∅5.88 B.C.
1.88
45°
45°
3.98
3.50 +.00 -.06
2.75
2.75
5.05
6.50
LEAD HOLE
.75 N.P.T.
8 HOLES
∅.38
REV. DESC: CORRECT SHAFT TOLERANCE
REV: G
VERSION: 07
REVISED: 10:04:51 10/24/2022
TDR: 000001198941
MODEL NO. 05LYF007
REF:
BY: USTRTAY1
B
BALDOR ELECTRIC Co.
HOR 143-5TC TEFC M CP W/6205 BRG EA.END, LIPPED KOBX LID
05LYF007

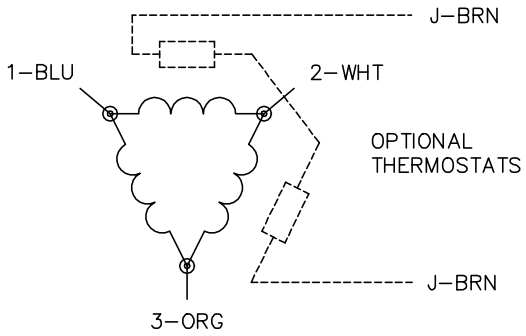
CD0006

TYPICAL WYE–CONNECTED MOTOR




TYPICAL DELTA–CONNECTED MOTOR




NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

| | | |
|---|---|---|
| REV. DESC: ADD CLASS CONN00000007 | | |
| REV. LTR: E | VERSION: 01 | TDR: 000001099922 |
| FILE: \AAA\00005\141 | REVISED: 10:24:49 02/19/2019 | BY: ENBRIR0 |
| MTL: – | | |

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1