

ABB BALDOR RELIANCE III

Customer information packet

ECP4108T-4

30HP, 3525RPM, 3PH, 60HZ, 286TS, 1048M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

Specifications

| | |
|---------------------------------------|--|
| Enclosure | TEFC |
| Frame | 286TS |
| 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 | 30.000 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ |
| Voltage @ Frequency | 460.0 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 |
| Constant Torque Speed Range | 6 |
| Current @ Voltage | 34.000 A @ 460.0 V |
| Design Code | B |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 91.7 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Enclosure Modification | Severe Duty Features |
| Feedback Device | NO FEEDBACK |
| Front Face Code | Standard |

Part Detail

| | |
|---------------------|------------|
| Revision | L |
| Type | AC |
| Mech. spec. | 10H423 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 10WGZ522 |
| Layout | 10LYH423 |
| Eff. date | 09-29-2025 |
| CD Diagram | CD0006 |
| Poles | 02 |
| Leads | 3#10 |
| Proprietary | False |
| Created date | 06-09-2016 |

| | |
|--------------------------------------|-----------------------------|
| Front Shaft Indicator | None |
| Haz Area Temp Code | T3 |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 34.0 a |
| Insulation Class | F |
| Inverter Code | Inverter Duty |
| KVA Code | G |
| Lifting Lugs | Standard Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Max Speed | 5400 rpm |
| Motor Lead Exit | Ko Box |
| Motor Lead Quantity/Wire Size | 3 @ 10 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 1048M |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 26.63 IN |
| Power Factor | 90 |
| Product Family | Super-E Chemical Processing |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | Standard |
| Pulley Shaft Indicator | Standard |
| Rodent Screen | None |
| Service Factor | 1.15 |
| Shaft Diameter | 1.625 IN |
| Shaft Extension Location | Pulley End |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | Shaft Slinger |
| Speed | 3525 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

NP3241

| | | | | | |
|-------------------|--------------|--------------------------------|------|-------------------|------------|
| CAT.NO. | ECP4108T-4 | P/N | | ENCLOSURE | TEFC |
| SPEC. | 10H423Z522G1 | CC | 010A | FRAME | 286TS |
| HP | 30 | CLASS | F | HZ | 60 |
| RPM | 3525 | RPM MAX | 5400 | PH | 3 |
| VOLT | 460 | MOTOR WEIGHT | 396 | KVA-CODE | G |
| AMP | 34 | SER.F. | 1.15 | PF | 90 |
| RATING | 40C AMB-CONT | NEMA-NOM-EFF | 91.7 | ODE BRG | 6311 |
| | | DE BRG | 6311 | GREASE | POLYREX EM |
| | | INV.TYPE | PWM | | |
| TEMP CODE | T3 | INVERTER-TEMP-CODE | 200 | | |
| TEMP = | 200 | C HP FR | 60 | C HP TO | 90 |
| CT HZ FROM | 6 | CT HZ TO | 60 | | |
| HTR-VOLTS | | HTR-AMPS | | HTR-WATTS | |
| | | MAX. SPACE HEATER TEMP. | | VT HZ FROM | 3 |
| | | | | VT HZ TO | 60 |

Accessories

| Part number | Description | Multiplier |
|--------------------|--------------------|-------------------|
| 10-1305 | C FACE KIT | A8 |

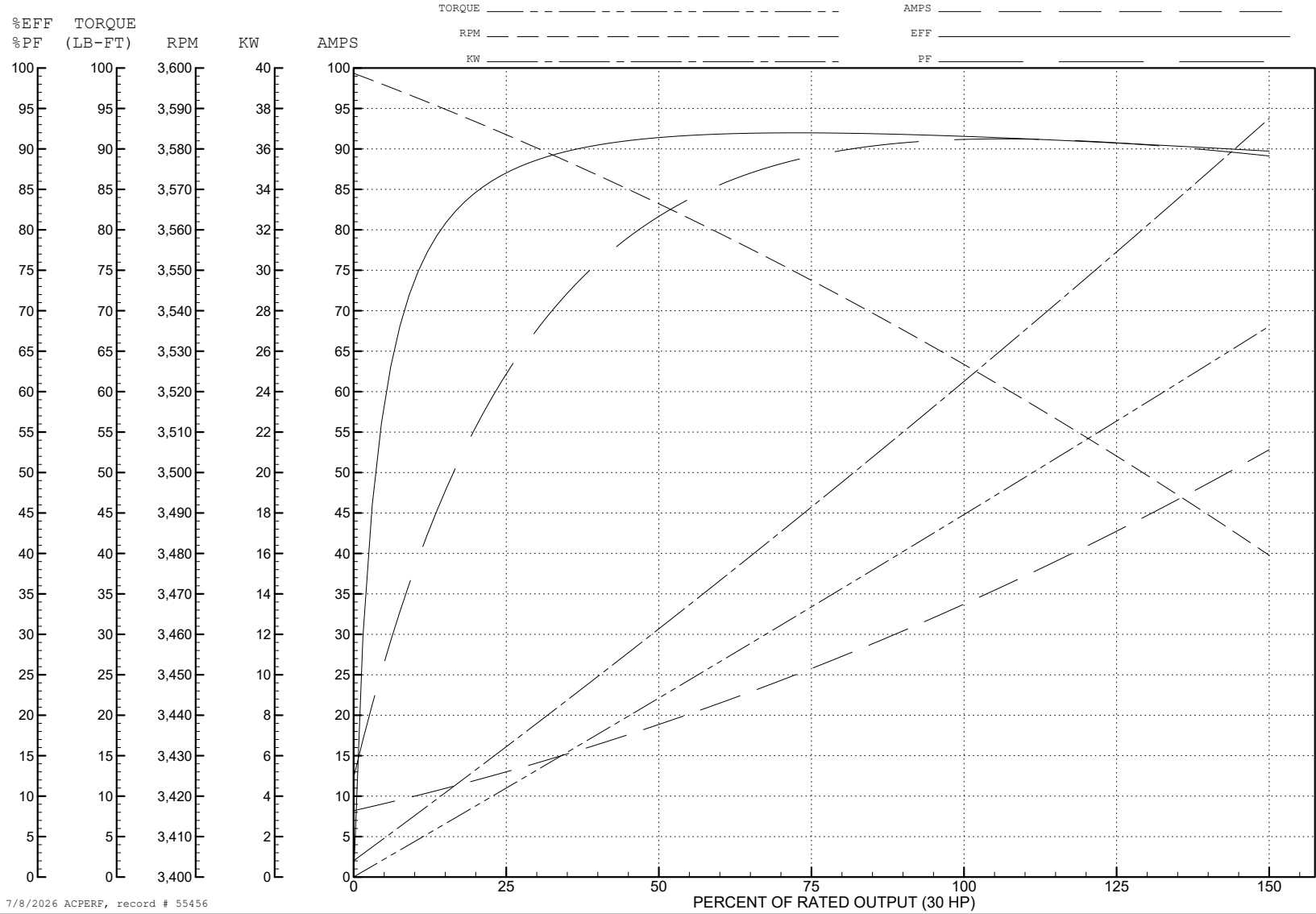
ABB Motors and Mechanical Inc.

WINDING # 10WGZ522

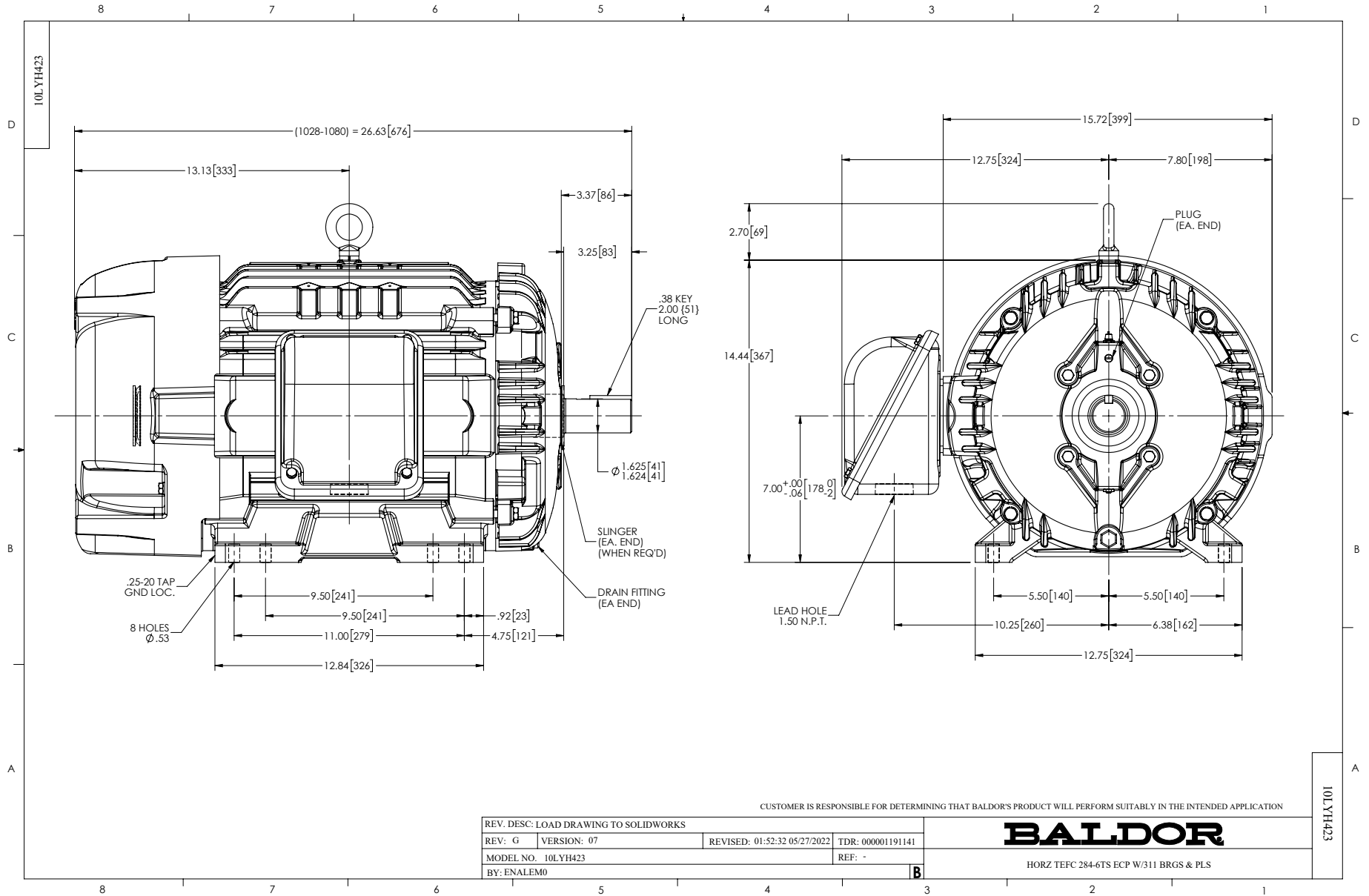
30 HP 3 PH 60 HZ 3525 RPM 460 V 1048M

Typical performance - not guaranteed values.

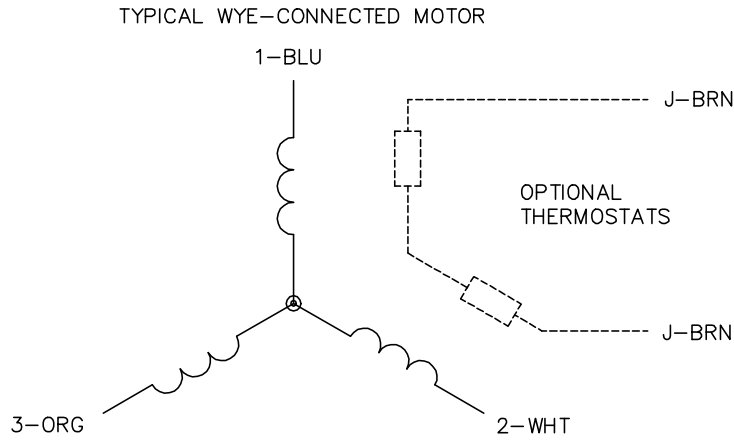
TORQUES (LB-FT): PO=135 PU=47 LR=65.2 LRA=212



7/8/2026 ACPERF, record # 55456



CD0006



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

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

BALDOR - RELIANCE®

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

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