

ABB BALDOR RELIANCE III

Customer information packet

CECP2276T

7.5HP, 1180RPM, 3PH, 60HZ, 254TC, 0954M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

| | |
|---------------------------------------|--|
| Enclosure | TEFC |
| Frame | 254TC |
| 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 | 7.500 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 1200 RPM @ 60 HZ |
| Voltage @ Frequency | 460.0 V @ 60 HZ 230.0 V @ 60 HZ |
| Agency Approvals | CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM UR |
| 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 | 1.0 |
| Current @ Voltage | 25.000 A @ 208.0 V 21.400 A @ 230.0 V 10.700 A @ 460.0 V |
| Design Code | A |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 91.0 % |
| Electrically Isolated Bearing | Not Electrically Isolated |

Part Detail

| | |
|---------------------|------------|
| Revision | Z |
| Type | AC |
| Mech. spec. | 09H180 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 09WGX827 |
| Layout | 09LYH180 |
| Eff. date | 09-16-2025 |
| CD Diagram | CD0005 |
| Poles | 06 |
| Leads | 9#12 |
| Proprietary | False |
| Created date | 11-14-2013 |

| | |
|--------------------------------------|-----------------------------|
| Feedback Device | NO FEEDBACK |
| Front Face Code | Standard |
| Front Shaft Indicator | None |
| Haz Area Temp Code | T3C |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 10.7 a |
| Insulation Class | F |
| Inverter Code | Inverter Duty |
| KVA Code | J |
| Lifting Lugs | Standard Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Max Speed | 1800 rpm |
| Motor Lead Exit | Ko Box |
| Motor Lead Quantity/Wire Size | 9 @ 12 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 0954M |
| Mounting Arrangement | F1 |
| Number of Poles | 6 |
| Overall Length | 25.28 IN |
| Power Factor | 71 |
| Product Family | Super-E Chemical Processing |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | C-Face |
| 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 | 1180 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

NP3995ABAL

| | | | | | | | | | | | |
|----------------------------------|-----------------------------|--------------|-------------------------|----------------|-------------|------------------------------|------------|-----------------------|----------------------|-----------|--------|
| CAT # | CECP2276T | | SER | | CC | 010A | | | | | |
| SPEC | 09H180X827 | | RATING | 40C AMB-CONT | | | | | | | |
| HZ | VOLTS | AMPS | RPM | HP | CODE | SF | DES | PF | NEMA NOM. EFF | | |
| 60 | 230/460 | 21.4/10.7 | 1180 | 7.5 | J | 1.15 | A | 71 % | 91 % | | |
| | | | | | | | | % | % | | |
| PH | 3 | CL | F | MAX RPM | 1800 | MAX CORR KVAR | 4.15 | USABLE AT 208V | N/A | | |
| IP55 | | FR | 254TC | ENCL | TEFC | DE BRG | 6309 | ODE BRG | 6309 | | |
| GREASE | POLYREX EM | | | MTR WT | 305 | LBS | | | | | |
| USABLE AT | 50HZ 5HP 190/380V 18.6/9.3A | | | SF1.0 | | | | | | | |
| CL I DIV 2 GRPS A,B,C,D | | | CL I ZONE 2 GRPS | | | IIA,IIB,IIC | | TEMP T | 160 | C | |
| 1.0 SF ON PWM INVERTER | | POWER | INV TEMP CL | 180 | C | | | | | | |
| CHP | 60-90 | HZ | 1.5:1 | CT | 1.0-60 | HZ | 60:1 | VT | 0-60 | HZ | 1000:1 |
| SPACE HEATER LEADS H1-H2: | | | TIE LIKE NUMBERS | | | TOGETHER | | | | | |
| V | | A | | W | | MAX SPACE HEATER TEMP | | | | | |

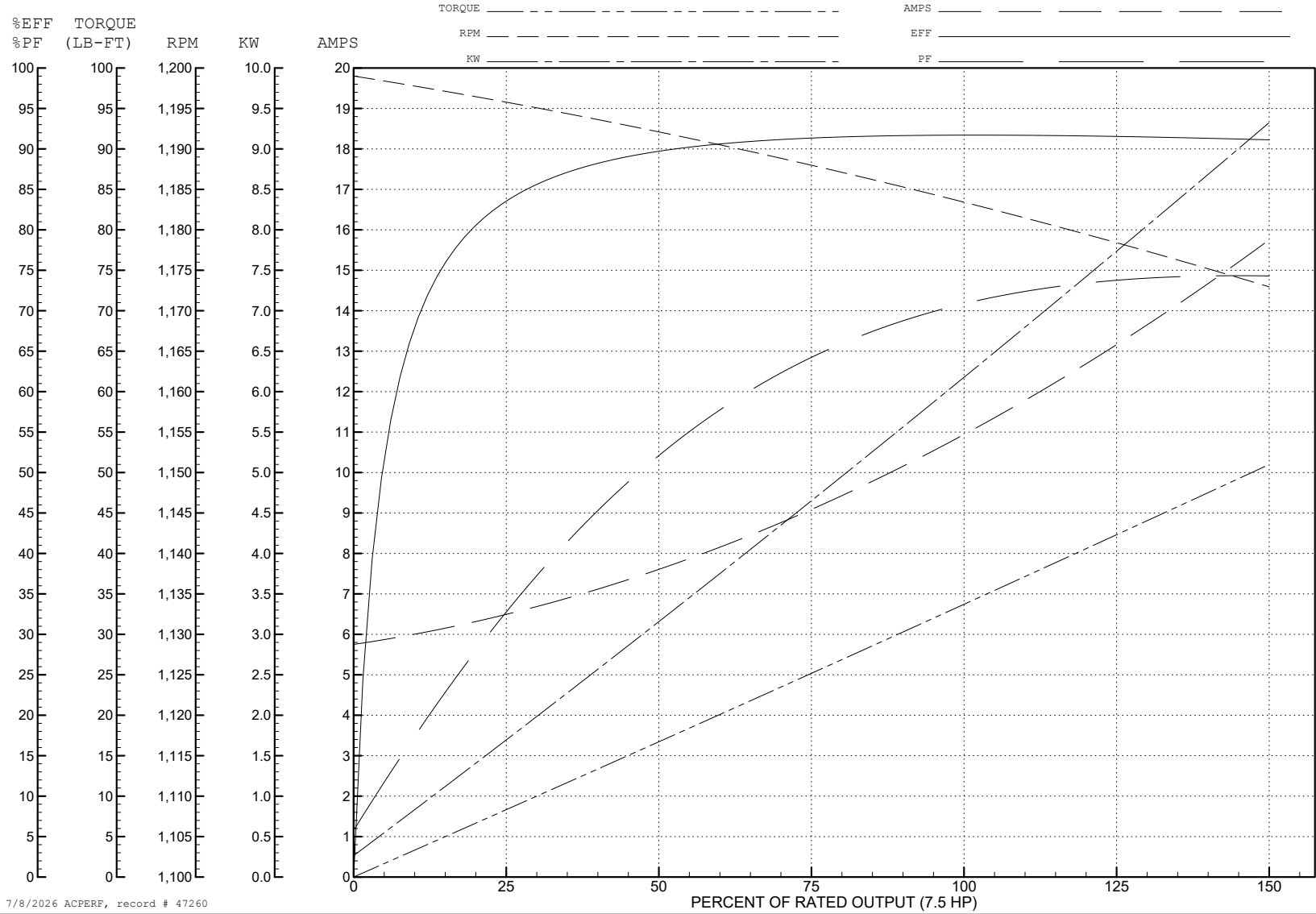
ABB Motors and Mechanical Inc.

WINDING # 09WGX827

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1180 RPM 460 V 0954M

TORQUES (LB-FT): PO=99.2 PU=39.4 LR=57.8 LRA=69.7



7/8/2026 ACPERF, record # 47260

CD0005



LOW VOLTAGE
(2Y)



HIGH VOLTAGE
(1Y)



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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS