

ABB BALDOR RELIANCE III

Customer information packet

CSPM31155

2HP, 3450RPM, 3PH, 60HZ, 56C, 3524M, OPEN, F1, N

Class - None

Division - Not Applicable

Specifications

| | |
|---------------------------------------|---|
| Enclosure | OPEN |
| Frame | 56C |
| Frame Material | Steel |
| Frequency | 60.00 Hz |
| Haz Area Class and Group | None |
| Haz Area Division | Not Applicable |
| Motor Letter Type | Three Phase |
| Output @ Frequency | 2.000 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ |
| Voltage @ Frequency | 230.0 V @ 60 HZ 460.0 V @ 60 HZ |
| Agency Approvals | NEMA PREMIUM 4 WEEE |
| 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 | 2.500 A @ 460.0 V 5.000 A @ 230.0 V 5.500 A @ 208.0 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 |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 2.5 a |

Part Detail

| | |
|---------------------|------------|
| Revision | C |
| Type | AC |
| Mech. spec. | 35E6394 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 35WGS095 |
| Layout | 35LYE6394 |
| Eff. date | 11-19-2025 |
| CD Diagram | CD0005 |
| Poles | 02 |
| Leads | 9#18 |
| Proprietary | False |
| Created date | 01-09-2024 |

| | |
|--------------------------------------|---------------------|
| Insulation Class | F |
| Inverter Code | Inverter Ready |
| KVA Code | K |
| Lifting Lugs | No Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Motor Lead Quantity/Wire Size | 9 @ 18 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3524M |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 12.07 IN |
| Power Factor | 90 |
| Product Family | General Purpose |
| 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 | 0.625 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 3450 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

NP4423A01A01L

| | | | | | |
|--------------------|----------------------|----------------------|------------|-------------|-----------|
| CAT # | CSPM31155 | WGT | 43 | LBS | |
| SPEC | 35E6394S095 | ENCL | OPEN | | |
| SER # | | CC | 010A | IP | 23 |
| HP | 2 | MAG CUR | | | |
| VOLTS | 230/460 | NEMA NOM. EFF | | 86.5 | |
| AMPS | 5/2.5 | PF | 90 | | |
| RATING | 40C AMB-CONT | | | | |
| RPM | 3450 | MAX RPM | | | |
| FRAME | 56C | HZ | 60 | CODE | K |
| | | CLASS | | F | |
| SER.F. | 1.15 | SF AMP | | PH | 3 |
| | | DES | | B | |
| DE | 6205 | ODE | 6203 | | |
| LUBRICATION | POLYREX EM | | | | |
| ID LOGO | INVERTER TYPE | VPWM | CHP | 60 | TO |
| | | | | 90 | 1.5:1 |
| ID LOGO | WK2 | 0.07 | CT | 6 | TO |
| | | | | 60 | 10:1 |
| ID LOGO | SL HZ | | VT | 3 | TO |
| | | | | 60 | 20:1 |
| | | | | | |
| | | | | | |
| | | | | | |
| YR | | QR | | | |

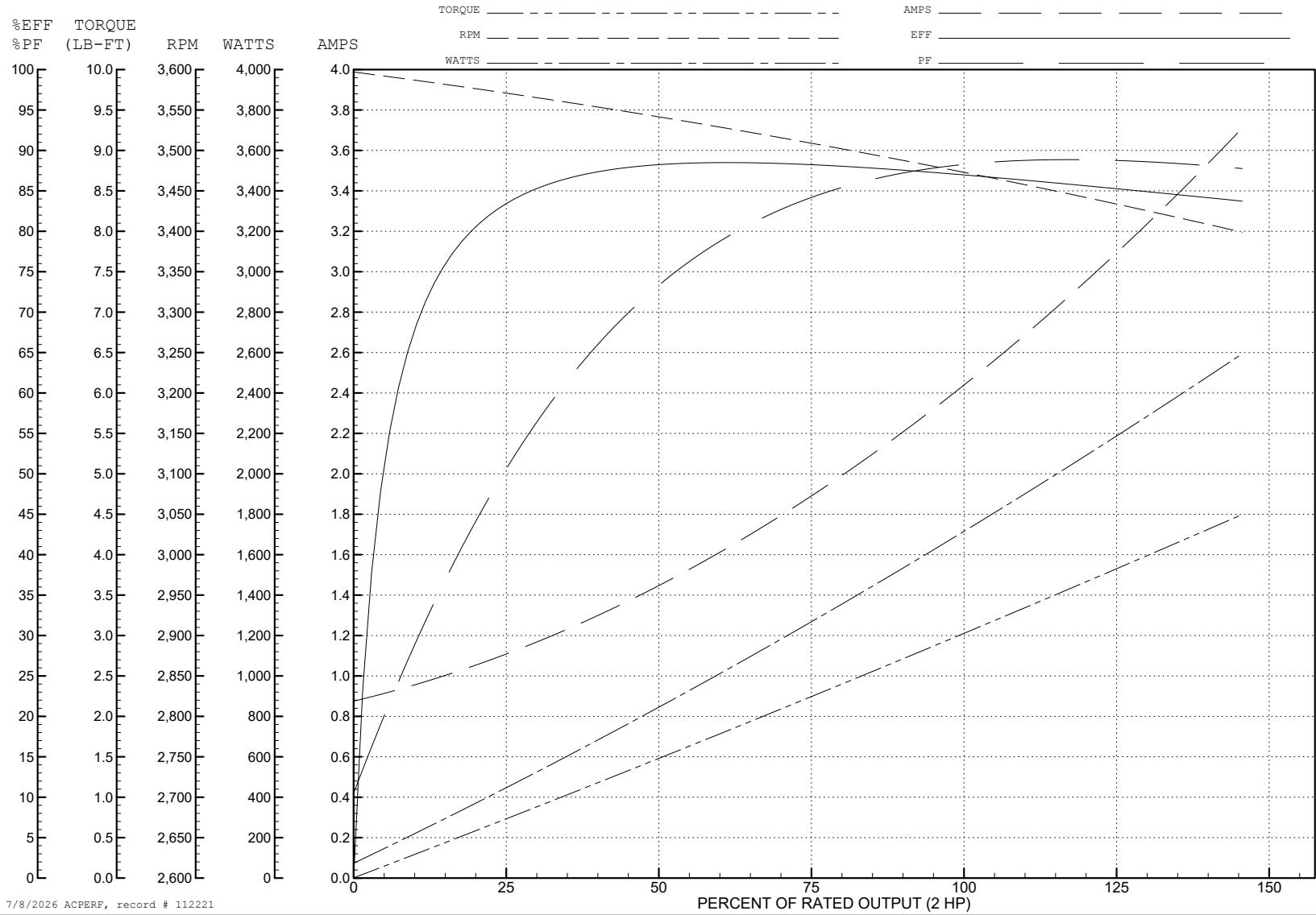
ABB Motors and Mechanical Inc.

WINDING # 35WGS095

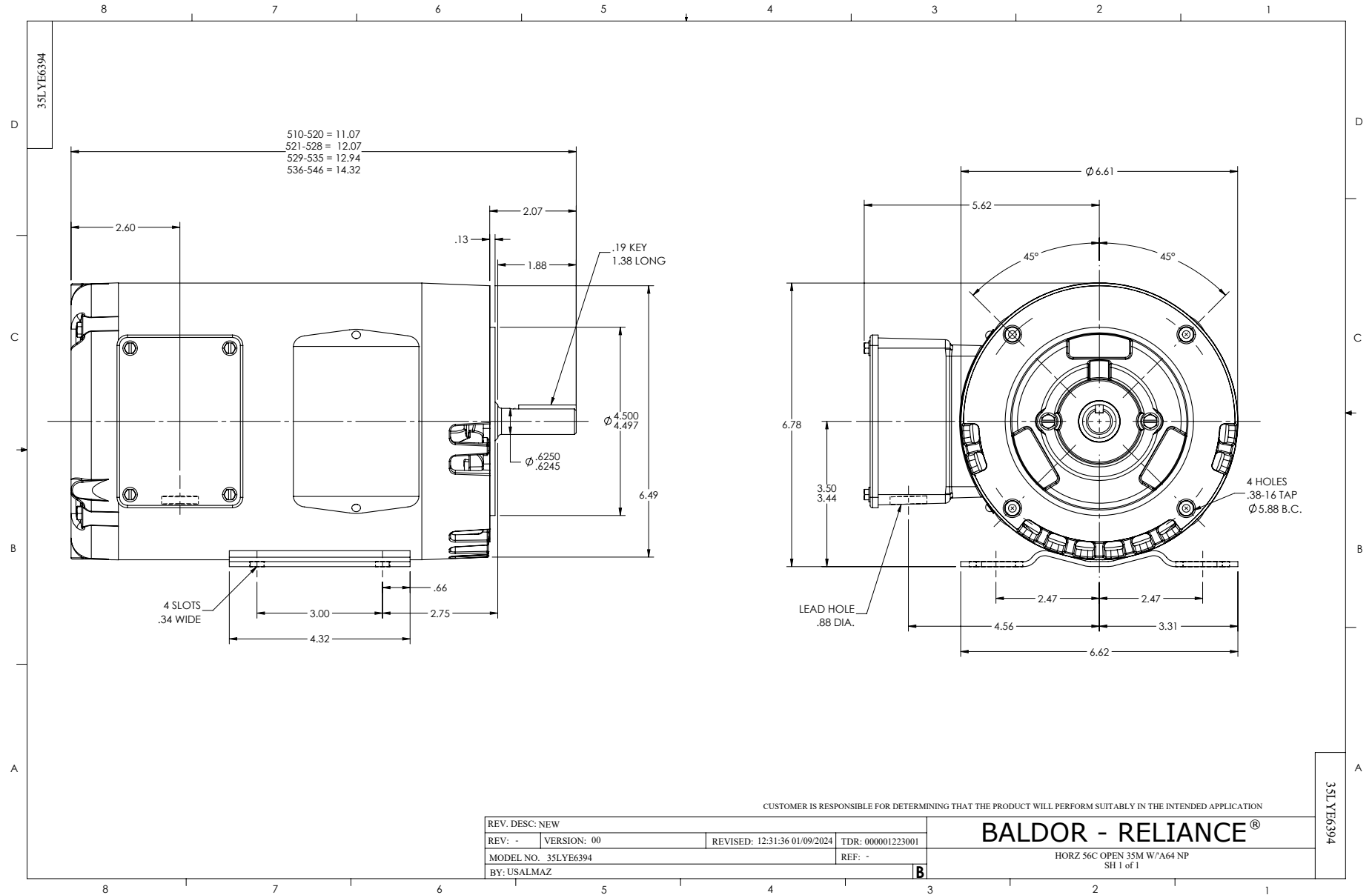
Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 3450 RPM 460 V 3524M

TORQUES (LB-FT): PO=11 PU=7.6 LR=9.8 LRA=22



7/8/2026 ACPERF, record # 112221



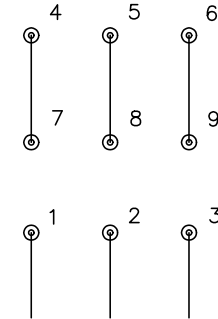
CD0005



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

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|---|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: E | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| S00000 | | FILE: AAA00005140 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS