

ABB BALDOR RELIANCE III



Customer information packet

EJPM3616T

7.5HP, 3450RPM, 3PH, 60HZ, 184JP, 3646M, TEFC

Class - None

Division - Not Applicable

Specifications

| | |
|---------------------------------------|---|
| Enclosure | TEFC |
| Frame | 184JP |
| 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 | 7.500 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ |
| Voltage @ Frequency | 460.0 V @ 60 HZ 230.0 V @ 60 HZ |
| Agency Approvals | CSA CSA EEV 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 |
| Current @ Voltage | 19.400 A @ 230.0 V 9.700 A @ 460.0 V 19.400 A @ 208.0 V |
| Design Code | A |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 89.5 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Face Code | Standard |
| Front Shaft Indicator | None |

Part Detail

| | |
|---------------------|------------|
| Revision | K |
| Type | AC |
| Mech. spec. | 36R059 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 36WGR431 |
| Layout | 36LYR059 |
| Eff. date | 05-12-2026 |
| CD Diagram | CD0005 |
| Poles | 02 |
| Leads | 9#16 |
| Proprietary | False |
| Created date | 05-19-2015 |

| | |
|--------------------------------------|---------------------|
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 9.7 a |
| Insulation Class | F |
| Inverter Code | Inverter Ready |
| KVA Code | S |
| Lifting Lugs | No Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Motor Lead Exit | Ko Box |
| Motor Lead Quantity/Wire Size | 9 @ 16 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3646M |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 22.61 IN |
| Power Factor | 79 |
| Product Family | General Purpose |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | C-Face |
| Pulley Shaft Indicator | Tapped & Key |
| Rodent Screen | None |
| Service Factor | 1.15 |
| Shaft Diameter | 0.875 IN |
| Shaft Extension Location | Pulley End |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | Shaft 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

NP3441LUA

| | | | | | | | |
|----------------------------------|-------------------------------|-------------|------|------------|---|--------------|-------|
| CAT.NO. | EJPM3616T | | | | | | |
| SPEC | 36R059R431G1 | | | | | | |
| HP | 7.5 | | | | | | |
| VOLTS | 230/460 | | | | | | |
| AMPS | 19.4/9.7 | | | | | | |
| RPM | 3450 | | | | | | |
| FRAME | 184JP | HZ | 60 | PH | 3 | | |
| SF | 1.15 | CODE | S | DES | A | CLASS | F |
| NEMA NOM. EFF | 89.5 | PF | 79 | | | | |
| RATING | 40C AMB-CONT | | | | | | |
| CC | 010A | | | | | | |
| ENCL | TEFC | SER | | | | | |
| DE | 6207 | ODE | 6205 | | | | |
| VPWM INVERTER READY | | | | | | | |
| CT6-60H(10:1)VT3-60H(20:1 | 50Hz7.5HP 190/380V 22.6/11.3A | | | | | | SF1.0 |

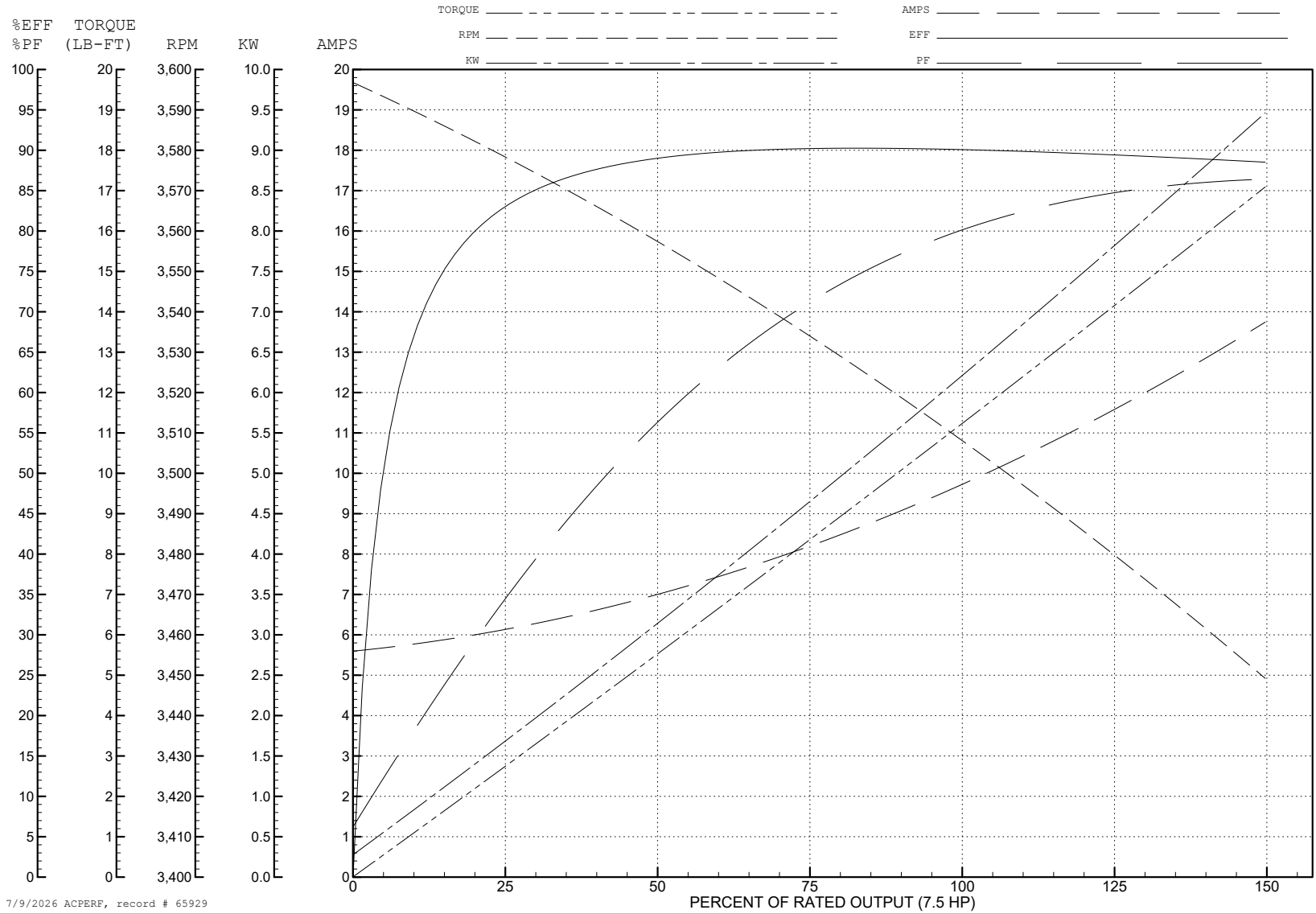
ABB Motors and Mechanical Inc.

WINDING # 36WGR431

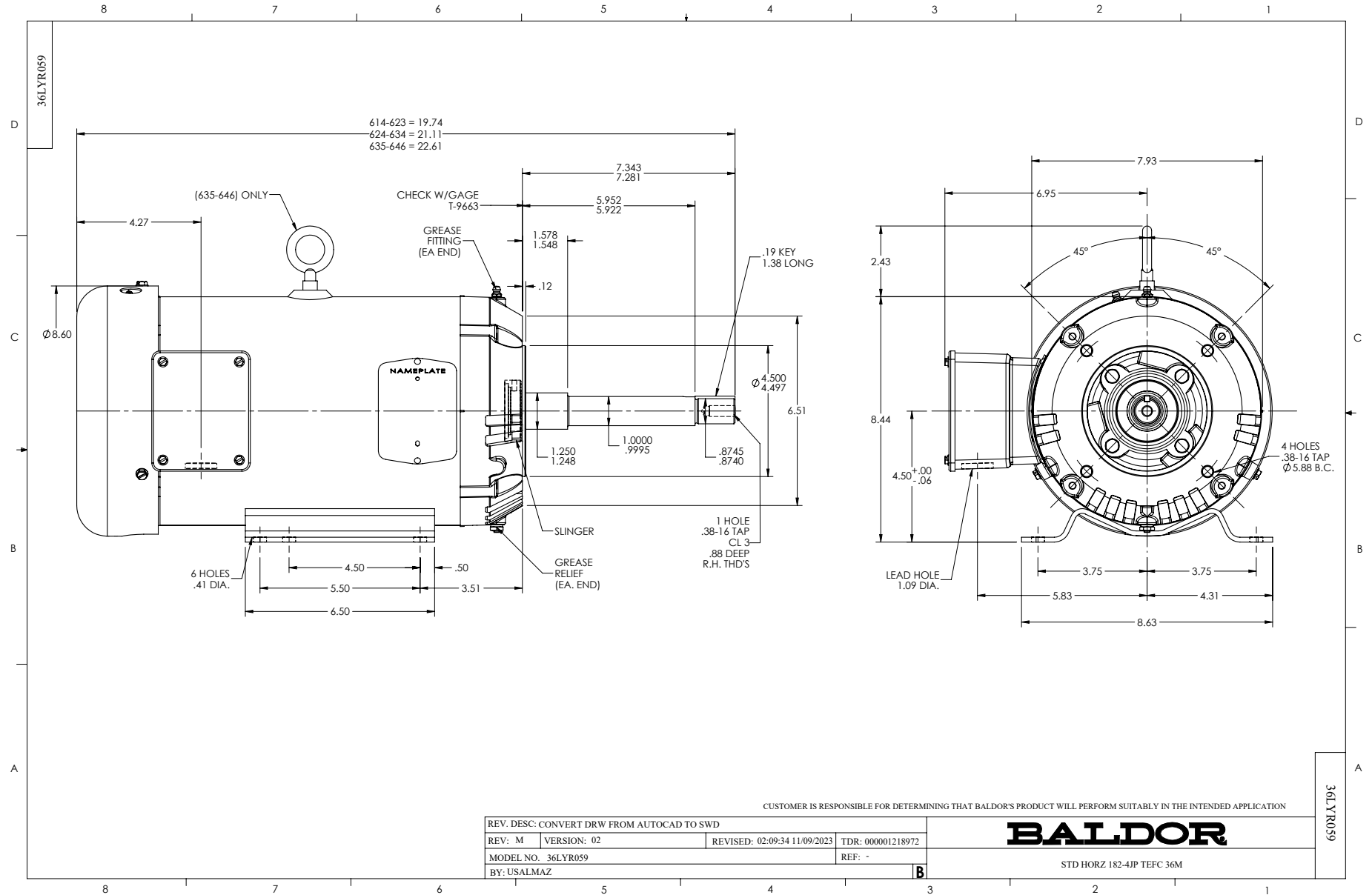
Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 3450 RPM 460 V 3646M

TORQUES (LB-FT): PO=97.6 PU=73.1 LR=88.3 LRA=155



7/9/2026 ACPERF, record # 65929



CD0005



LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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