



Customer information packet

EFM3711T-G

10HP, 3490RPM, 3PH, 60HZ, 215T, 3730M, TEFC, F2

Class - None

Division - Not Applicable

Specifications

| | |
|--------------------------------|--|
| Enclosure | TEFC |
| Frame | 215T |
| 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 | 10.000 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 EEV NEMA PREMIUM UR |
| Ambient Temperature | 40 °C |
| Auxillary Box | No Auxillary Box |
| Auxillary Box Lead Termination | None |
| Base Indicator | Rigid |
| Bearing Grease Type | Polyrex EM (-20F +300F) |
| Blower | None |
| Current @ Voltage | 23.200 A @ 230.0 V 24.900 A @ 208.0 V 11.600 A @ 460.0 V |
| Design Code | B |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 90.2 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Shaft Indicator | None |
| Heater Indicator | No Heater |

Part detail

| | |
|--------------|------------|
| Revision | B |
| Type | AC |
| Mech. spec. | 37M820 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 37WGS864 |
| Layout | 37LYM820 |
| Eff. date | 05-02-2024 |
| CD Diagram | CD0005 |
| Poles | 02 |
| Leads | 9#14 |
| Proprietary | False |
| Created date | 03-31-2023 |

| | |
|-------------------------------|-----------------------|
| High Voltage Full Load Amps | 11.6 a |
| Insulation Class | H |
| Inverter Code | Inverter Ready |
| KVA Code | G |
| Lifting Lugs | Standard Lifting Lugs |
| Locked Bearing Indicator | Locked Bearing |
| Motor Lead Quantity/Wire Size | 9 @ 14 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3730M |
| Mounting Arrangement | F2 |
| Number of Poles | 2 |
| Overall Length | 17.89 IN |
| Power Factor | 88 |
| Product Family | General Purpose |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | Standard |
| Pulley Shaft Indicator | Standard |
| Rodent Screen | None |
| RoHS Status | ROHS COMPLIANT |
| Service Factor | 1.15 |
| Shaft Diameter | 1.375 IN |
| Shaft Ground Indicator | Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 3490 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. | EFM3711T-G | | | | | | |
| SPEC | 37M820S864 | | | | | | |
| HP | 10 | | | | | | |
| VOLTS | 230/460 | | | | | | |
| AMPS | 23.2/11.6 | | | | | | |
| RPM | 3490 | | | | | | |
| FRAME | 215T | | HZ | 60 | | PH | 3 |
| SF | 1.15 | CODE | G | DES | B | CLASS | H |
| NEMA NOM. EFF | 90.2 | PF | 88 | | | | |
| RATING | 40C AMB-CONT | | | | | | |
| CC | 010A | | | | | | |
| ENCL | TEFC | SER | | | | | |
| DE | 6307 | ODE | 6206 | | | | |
| VPWM INVERTER READY | SFA 21.6/10.8 | | | | | | |
| CT6-60H(10:1)VT3-60H(20:1 | 50HZ 10HP 190/380V 28.2/14.1A | | | | | | SF1.0 |

AC Induction Motor Performance Data

Record # 53400

Typical performance - not guaranteed values

| Winding: 37WGS864-R029 | | Type: 3730M | Enclosure: TEFC | |
|------------------------|-------------------|--|--------------------------|------------|
| Nameplate Data | | 460 V, 60 Hz: High Voltage Connection | | |
| Rated Output (HP) | 10 | Full Load Torque | 15 LB-FT | |
| Volts | 230/460 | Start Configuration | direct on line | |
| Full Load Amps | 23.2/11.6 | Breakdown Torque | 44.8 LB-FT | |
| R.P.M. | 3490 | Pull-up Torque | 21.9 LB-FT | |
| Hz | 60 Phase | 3 | Locked-rotor Torque | 20.5 LB-FT |
| NEMA Design Code | B KVA Code | G | Starting Current | 68.9 A |
| Service Factor (S.F.) | 1.15 | No-load Current | 4.68 A | |
| NEMA Nom. Eff. | 90.2 Power Factor | 88 | Line-line Res. @ 25°C | 1.05 Ω |
| Rating - Duty | 40C AMB-CONT | Temp. Rise @ Rated Load | 79°C | |
| S.F. Amps | | Temp. Rise @ S.F. Load | 98°C | |
| | | Locked-rotor Power Factor | 33.7 | |
| | | Rotor inertia | 0.273 LB-FT ² | |

Load Characteristics 460 V, 60 Hz, 10 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor | 54 | 74 | 83 | 87 | 88 | 89 | 88 |
| Efficiency | 77.2 | 85.2 | 87.6 | 88.3 | 88.2 | 87.6 | 90 |
| Speed | 3577 | 3557 | 3536 | 3514 | 3490 | 3463 | 3464 |
| Line amperes | 5.61 | 7.42 | 9.69 | 12.2 | 15 | 18 | 13.5 |

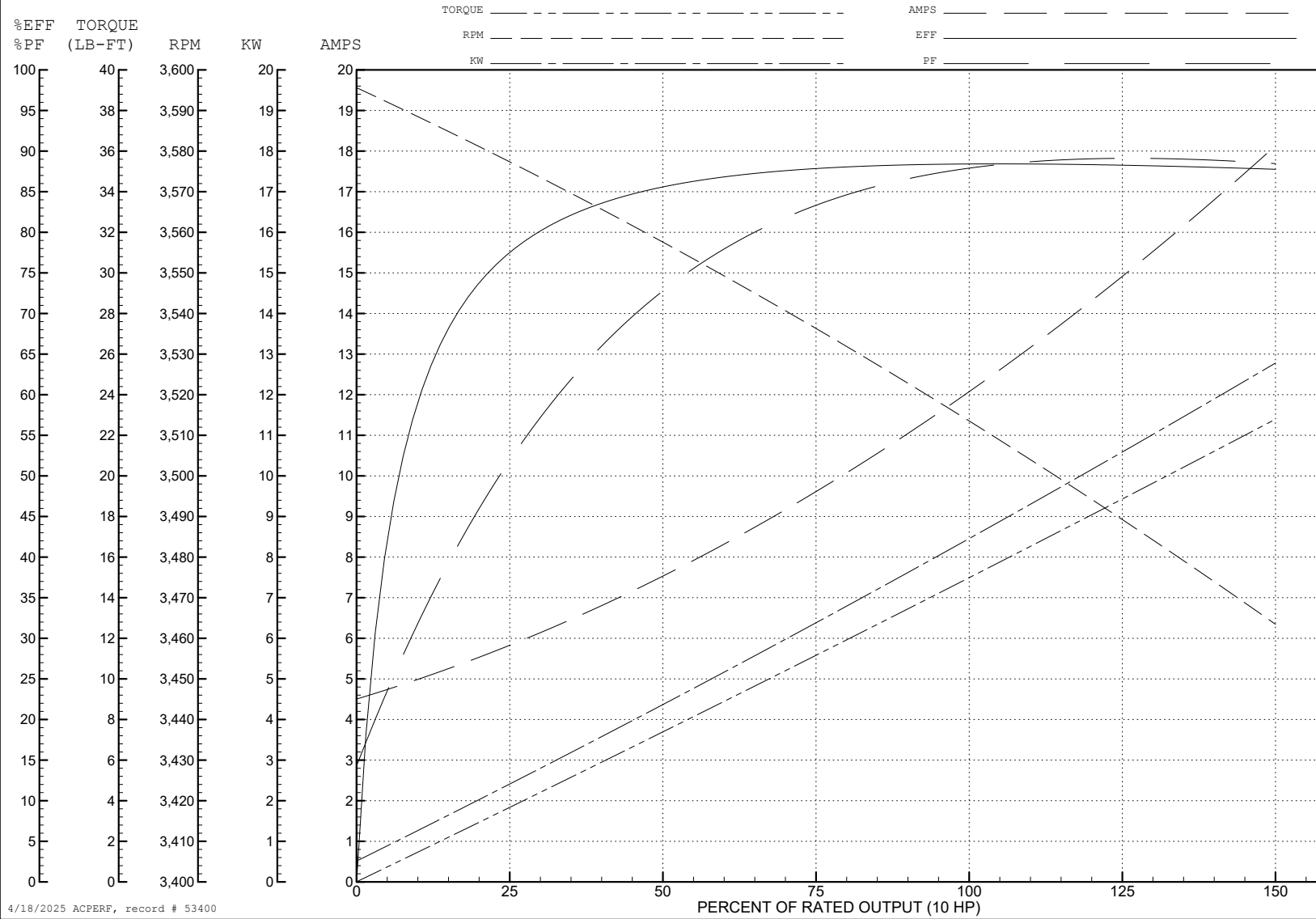
ABB Motors and Mechanical Inc.

WINDING # 37WGS864

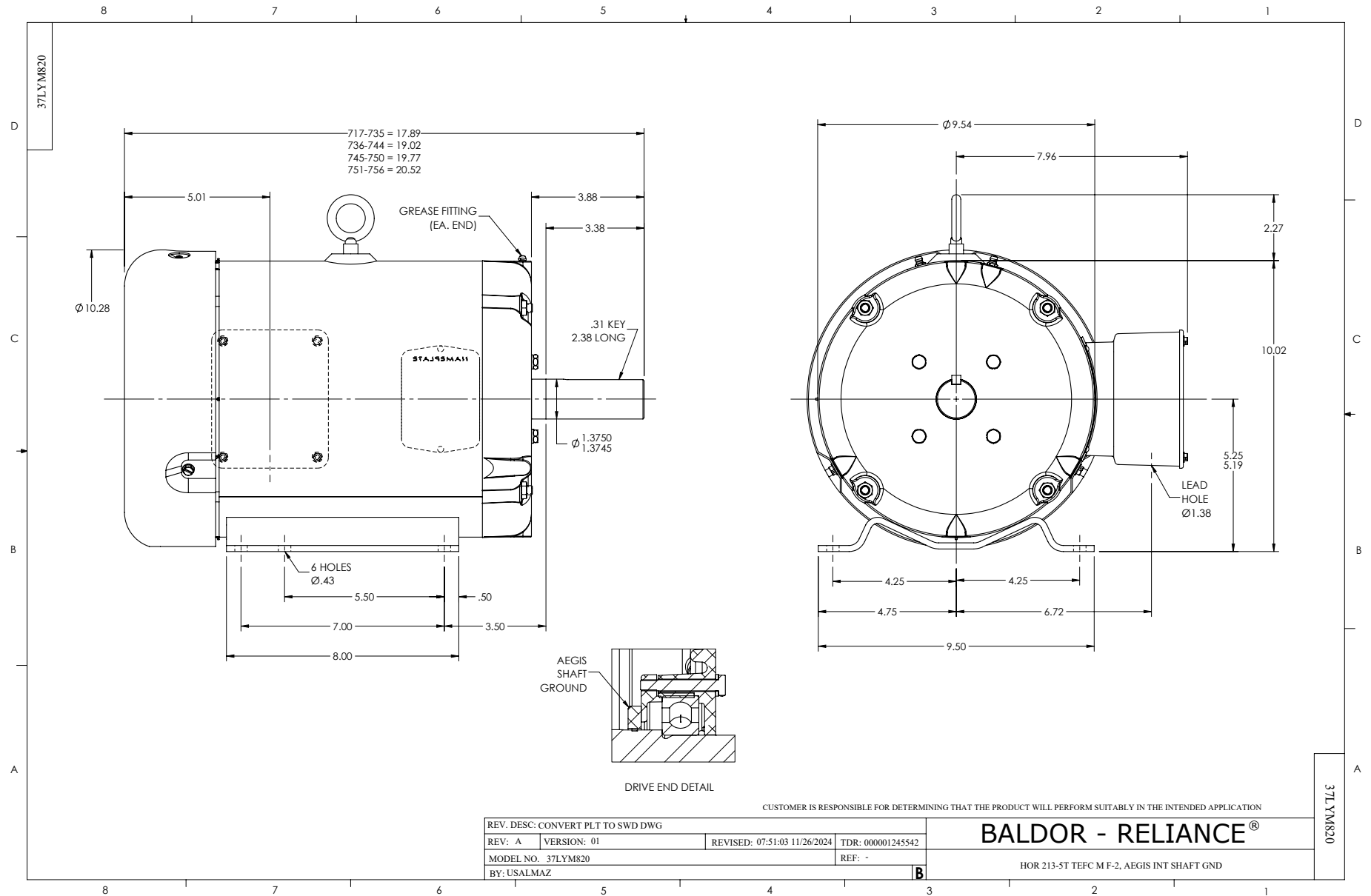
Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 3490 RPM 460 V 3730M

TORQUES (LB-FT): PO=44.8 PU=21.9 LR=20.5 LRA=68.9



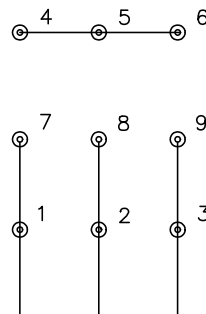
4/18/2025 ACPERF, record # 53400



CD0005

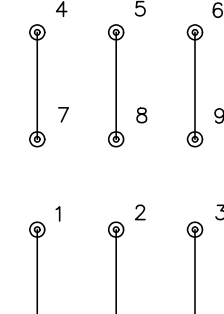


LOW VOLTAGE
(2Y)



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 |
| S00000 | | FILE: AAA00005140 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS