

BALDOR • RELIANCE

Customer information packet

L3708T-50

5/3.7KW, 1450RPM, 1PH, 50HZ, 213T, 3740LC, TEF

Class - None

Division - Not Applicable

Specifications

| | |
|--------------------------------|--|
| Enclosure | TEFC |
| Frame | 213T |
| Frame Material | Steel |
| Frequency | 50.00 Hz |
| Haz Area Class and Group | None |
| Haz Area Division | Not Applicable |
| Motor Letter Type | Cap Start, Cap Run |
| Output @ Frequency | 3.700 KW @ 50 HZ |
| Phase | 1 |
| Synchronous Speed @ Frequency | 1500 RPM @ 50 HZ |
| Voltage @ Frequency | 220.0 V @ 50 HZ |
| Agency Approvals | CE CURUS UKCA WEEE C UR 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 |
| Current @ Voltage | 20.400 A @ 220.0 V |
| Design Code | - |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 86.3 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Shaft Indicator | None |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 20.4 a |

Part detail

| | |
|--------------|---------------------|
| Revision | E |
| Type | AC |
| Mech. spec. | 37C001 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 37WGQ077 |
| Layout | 37LYC001 |
| Eff. date | 04-10-2025 |
| CD Diagram | CD0017A02 |
| Poles | 04 |
| Leads | 2#12 A PH,2#14 B PH |
| Proprietary | False |
| Created date | 03-09-2023 |

| | |
|--------------------------------------|-----------------------|
| Insulation Class | F |
| Inverter Code | Not Inverter |
| IP Rating | NONE |
| KVA Code | G |
| Lifting Lugs | Standard Lifting Lugs |
| Locked Bearing Indicator | No Locked Bearing |
| Motor Lead Quantity/Wire Size | 2 @ 12 AWG, A PH |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3740LC |
| Mounting Arrangement | F1 |
| Number of Poles | 4 |
| Overall Length | 19.02 IN |
| Power Factor | 96 |
| 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 | 1.00 |
| Shaft Diameter | 1.375 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 1450 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

| NP1372L | | | | | | | | | | |
|-----------------------|----------------------------|-------------|-----------------|------------|---|-----------|---|--|--|--|
| CAT.NO. | L3708T-50 | | | | | | | | | |
| SPEC. | 37C001Q077G1 | | | | | | | | | |
| HP | 5/3.7KW | | | | | | | | | |
| VOLTS | 220 | | | | | | | | | |
| AMP | 20.4 | | | | | | | | | |
| R.P.M. (1/MIN) | 1450 | | | | | | | | | |
| FRAME | 213T | | HZ | 50 | | PH | 1 | | | |
| SER.F. | 1.00 | CODE | G | DES | - | CL | F | | | |
| NEMA-NOM-EFF | 86.3 | PF | 96 | | | | | | | |
| RATING | 40C AMB-S1 CONT | | | | | | | | | |
| CC | | | IP44 IC411 61KG | | | | | | | |
| DE | 6307 | | ODE | 6206 | | | | | | |
| ENCL | TEFC | SN | | | | | | | | |
| | IE2-50HZ 86 (75%),83 (50%) | | | | | | | | | |

Accessories

| Part number | Description | Multiplier |
|--------------------|--------------------|-------------------|
| 37-3301 | C FACE KIT | P1 |

AC Induction Motor Performance Data

Record # 101593

Typical performance - not guaranteed values

| Winding: 37WGQ077-R003 | | Type: 3740LC | | Enclosure: TEFC | |
|------------------------|-------------------|---------------------|---|---------------------------------|--|
| Nameplate Data | | | 220 V, 50 Hz: Single Voltage Motor | | |
| Rated Output (KW) | 3.7 | Full Load Torque | 17.78 LB-FT | | |
| Volts | 220 | Start Configuration | direct on line | | |
| Full Load Amps | 20.4 | Breakdown Torque | 56 LB-FT | | |
| R.P.M. | 1450 | Pull-up Torque | 24.2 LB-FT | | |
| Hz | 50 Phase | 1 | Locked-rotor Torque | 35.6 LB-FT | |
| NEMA Design Code | - KVA Code | G | Starting Current | 135 A | |
| Service Factor (S.F.) | | 1 | No-load Current | 4.34 A | |
| NEMA Nom. Eff. | 86.3 Power Factor | 96 | Line-line Res. @ 25°C | 0.39593 Ω A Ph 1.2526 Ω B Ph | |
| Rating - Duty | | 40C AMB-CONT | Temp. Rise @ Rated Load | 60°C | |

Load Characteristics 220 V, 50 Hz, 3.7 KW

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|-----------------|--------|--------|--------|--------|--------|--------|
| Power Factor | 86 | 93 | 95 | 96 | 96 | 95 |
| Efficiency | 71.6 | 83.1 | 86.4 | 86.8 | 85.6 | 83.2 |
| Speed | 1491.8 | 1483.6 | 1474.9 | 1464.8 | 1452.8 | 1437.9 |
| Line amperes | 6.88 | 10.9 | 15.3 | 20.3 | 25.7 | 32 |

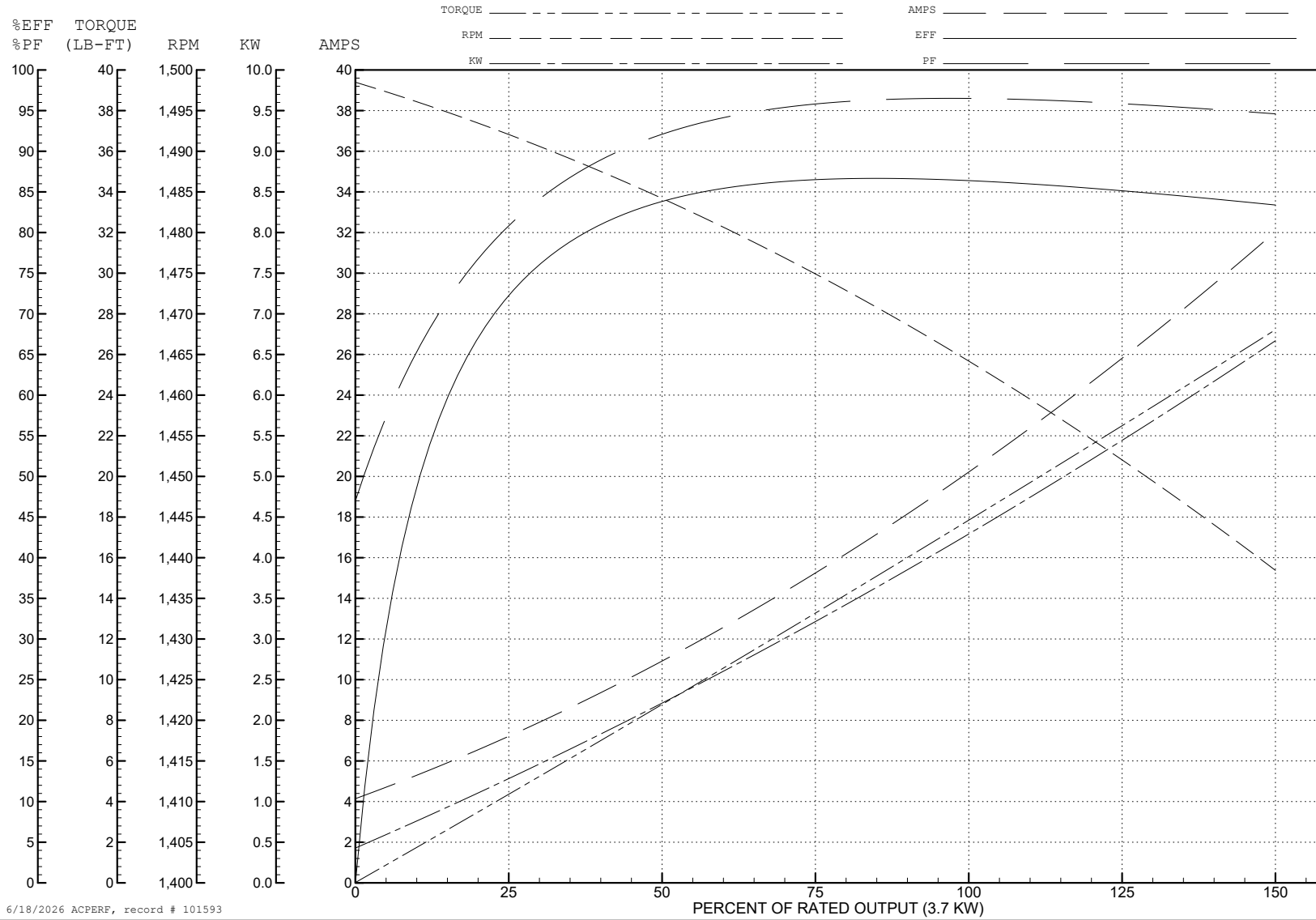
ABB Motors and Mechanical Inc.

WINDING # 37WGQ077

3.7 KW 1 PH 50 HZ 1450 RPM 220 V 3740LC

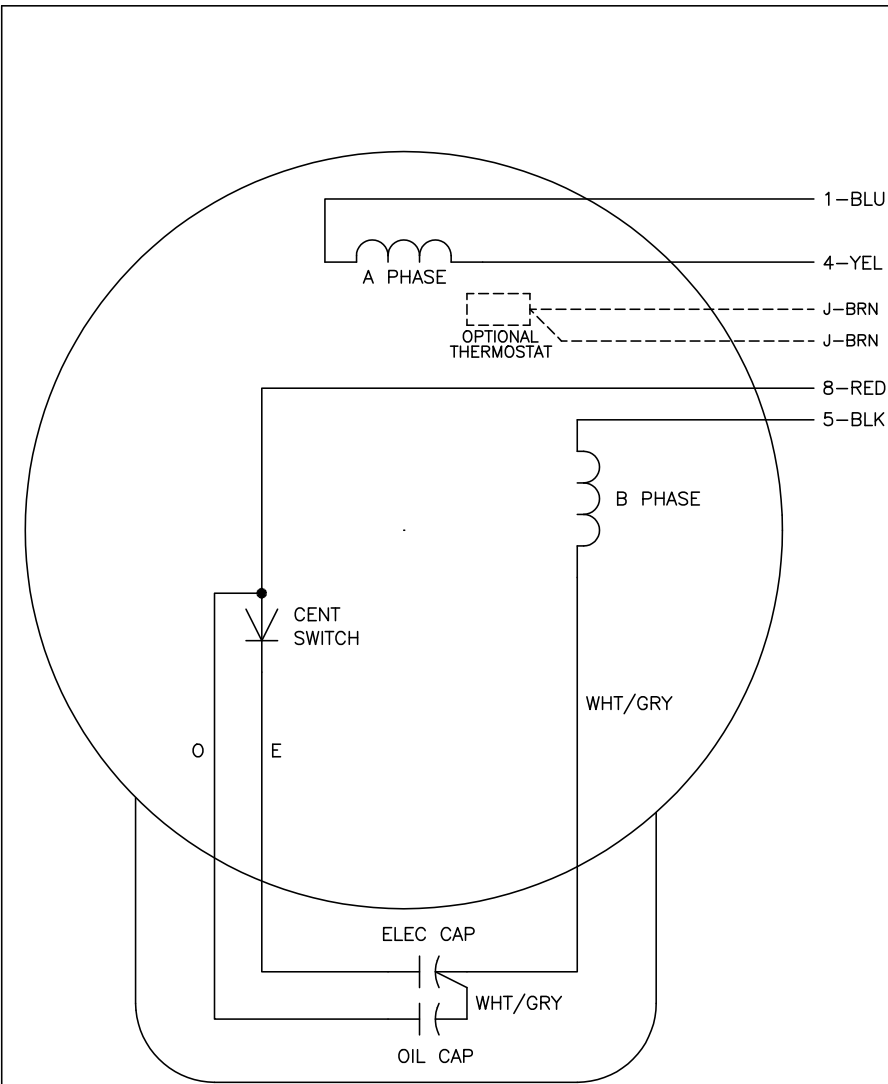
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=56 PU=24.2 LR=35.6 LRA=135



6/18/2026 ACPERF, record # 101593

CD0017A02



| | LINE A | LINE B |
|-----|--------|--------|
| STD | 1,8 | 4,5 |
| OPP | 1,5 | 4,8 |

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0017A02

| | | | |
|---|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: B | BY: JLP | REVISED: 04/09/99 11:30 | TDR: 0178636 |
| CD0017A02 | | FILE: AAA00007514 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, 4 LEADS