

BALDOR • RELIANCE

Customer information packet

L1206-50

.33/KW .25, 1440RPM, 1PH, 50HZ, 48, 3418LC, OP

Class - None

Division - Not Applicable

Specifications

| | |
|--------------------------------|------------------------------------|
| Enclosure | OPEN |
| Frame | 48 |
| 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 | .330 HP @ 50 HZ |
| Phase | 1 |
| Synchronous Speed @ Frequency | 1500 RPM @ 50 HZ |
| Voltage @ Frequency | 110.0 V @ 50 HZ 220.0 V @ 50 HZ |
| Agency Approvals | CURUSEEV CE WEEE |
| 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 |
| Design Code | - |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Shaft Indicator | None |
| Heater Indicator | No Heater |
| Insulation Class | B |
| Inverter Code | Not Inverter |
| Lifting Lugs | No Lifting Lugs |
| Locked Bearing Indicator | No Locked Bearing |

Part detail

| | |
|--------------|------------|
| Revision | B |
| Type | AC |
| Mech. spec. | 34F351 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 34WGR753 |
| Layout | 34LYF351 |
| Eff. date | 10-16-2023 |
| CD Diagram | CD0055 |
| Poles | 04 |
| Leads | 6#18 |
| Proprietary | False |
| Created date | 04-26-2023 |

| | |
|-------------------------------|---------------------|
| Motor Lead Quantity/Wire Size | 6 @ 18 AWG |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3418LC |
| Mounting Arrangement | F1 |
| Number of Poles | 4 |
| Overall Length | 9.76 IN |
| 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 | 1.35 |
| Shaft Diameter | 0.500 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 1425 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

NP4310L

| | | | | | |
|-----------------------|----------------------------|-----------------------|------|--------------|----|
| CAT.NO. | L1206-50 | | | | |
| SPEC. | 34F351R753 | | | | |
| HP | .33/KW .25 | PH | 1 | | |
| VOLTS | 110/220 | | | | |
| AMPS | 4/2 | | | | |
| R.P.M. (1/MIN) | 1440 | | | | |
| FRAME | 48 | HZ | 50 | I.P. | 23 |
| SER.F. | 1.35 | CODE | K | DES. | - |
| | | | | CLASS | B |
| F.L. AVG. EFF. | 68.5 | P.F. | 81 | | |
| CC | | USABLE AT 208V | N/A | | |
| RATING | 40C AMB-S1 CONT | WT. | 11KG | | |
| DE | 6203 | ODE | 6203 | | |
| ENCL | OPEN | SN | | | |
| | SFA IC01 | | | | |
| | IE2-50HZ 67 (75%),59 (50%) | | | | |

AC Induction Motor Performance Data

Record # 101558

Typical performance - not guaranteed values

| Winding: 34WGR753-R001 | | Type: 3418LC | Enclosure: OPEN | |
|------------------------|-------------------|---------------------|--|--------------------------------|
| Nameplate Data | | | 220 V, 50 Hz: High Voltage Connection | |
| Rated Output (KW) | .25 | Full Load Torque | 1.219 LB-FT | |
| Volts | 110/220 | Start Configuration | direct on line | |
| Full Load Amps | 4/2 | Breakdown Torque | 3.6 LB-FT | |
| R.P.M. | 1440 | Pull-up Torque | 3.51 LB-FT | |
| Hz | 50 Phase | 1 | Locked-rotor Torque | 4.85 LB-FT |
| NEMA Design Code | - KVA Code | K | Starting Current | 13.4 A |
| Service Factor (S.F.) | | 1.35 | No-load Current | 1.28 A |
| NEMA Nom. Eff. | 68.5 Power Factor | 81 | Line-line Res. @ 25°C | 7.0277 Ω A Ph 4.2595 Ω B Ph |
| Rating - Duty | | 40C AMB-CONT | Temp. Rise @ Rated Load | 33°C |
| S.F. Amps | | 5/2.5 | Temp. Rise @ S.F. Load | 43°C |

Load Characteristics 220 V, 50 Hz, 0.25 KW

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|--------|--------|--------|--------|--------|------|------|
| Power Factor | 51 | 65 | 75 | 81 | 86 | 88 | 87 |
| Efficiency | 42.3 | 59.1 | 67.6 | 71.3 | 72.3 | 71.9 | 72.1 |
| Speed | 1485.9 | 1475.4 | 1462.6 | 1448.8 | 1433.1 | 1415 | 1426 |
| Line amperes | 1.33 | 1.46 | 1.69 | 1.96 | 2.29 | 2.67 | 2.44 |

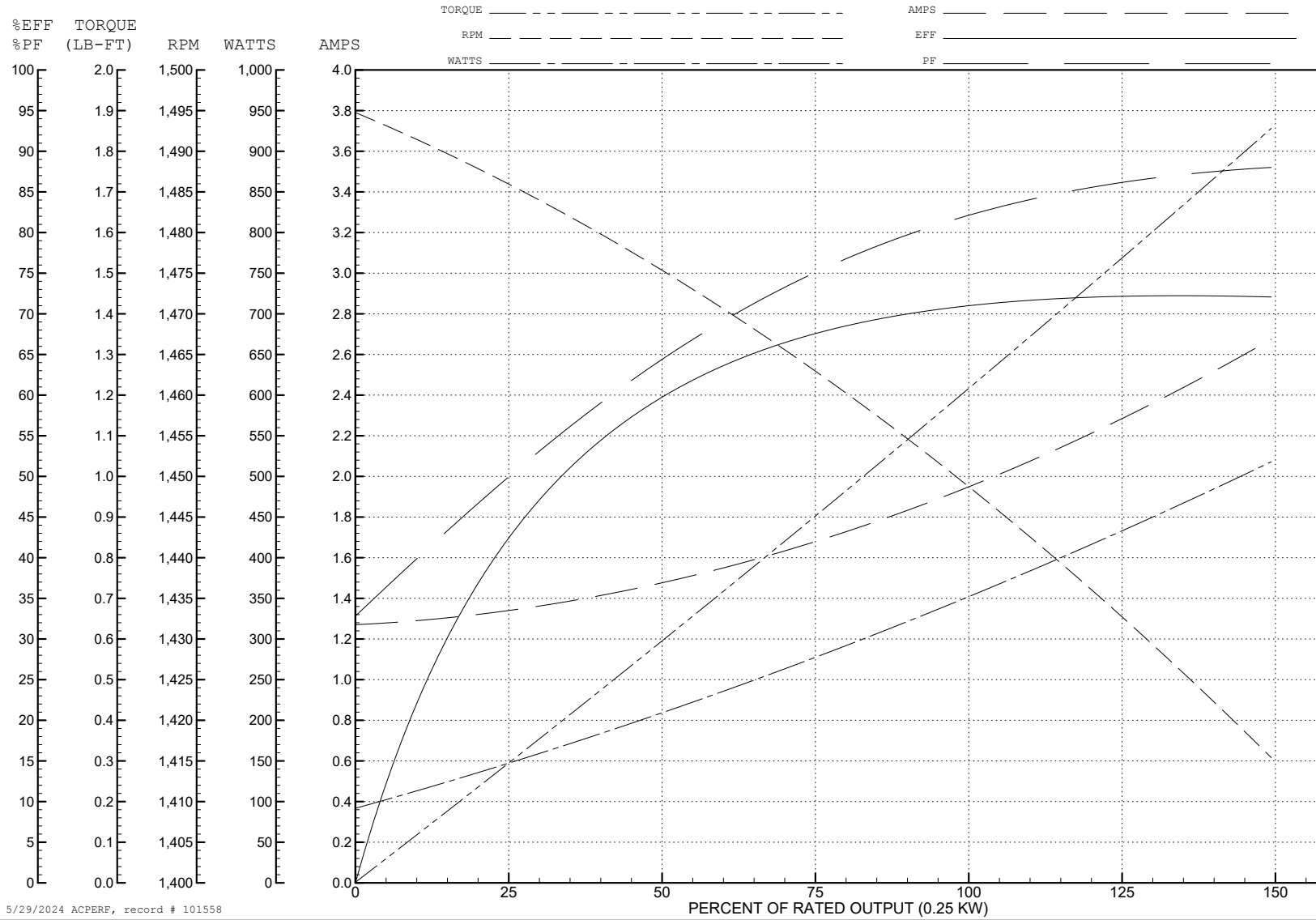
ABB Motors and Mechanical Inc.

WINDING # 34WGR753

0.25 KW 1 PH 50 HZ 1440 RPM 220 V 3418LC

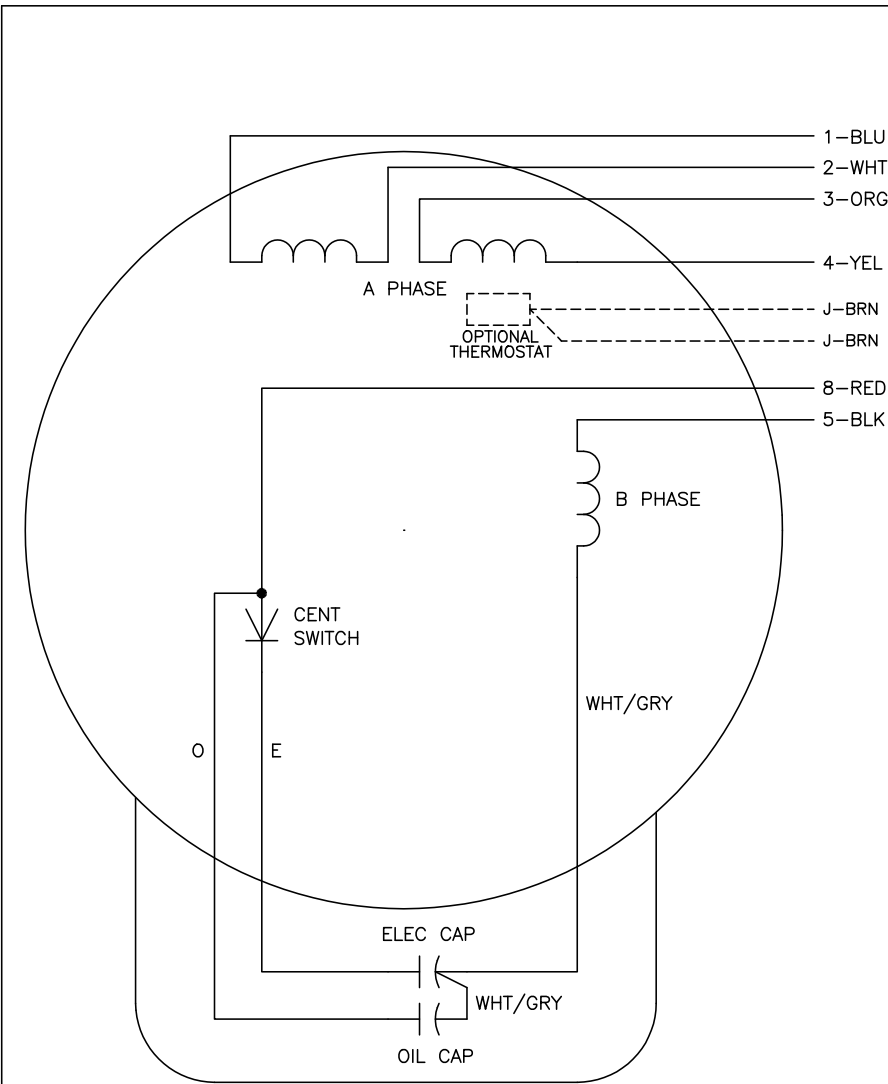
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=3.6 PU=3.51 LR=4.85 LRA=13.4



5/29/2024 ACPERF, record # 101558

CD0055



| | LINE A | LINE B | JOIN |
|----------|--------|--------|-------|
| HIGH STD | 1 | 4,5 | 2,3,8 |
| HIGH OPP | 1 | 4,8 | 2,3,5 |
| LOW STD | 1,3,8 | 2,4,5 | - |
| LOW OPP | 1,3,5 | 2,4,8 | - |

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.

| | | | |
|---|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: D | BY: JLP | REVISED: 04/08/99 1:17 | TDR: 0178636 |
| C00000 | | FILE: AAA00007414 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, 6 LEADS

CD0055