

BALDOR • RELIANCE

Customer information packet

L1313-50

1.5/1.1KW, 2920RPM, 1PH, 50HZ, 56, 3530LC, OPE

Class - None

Division - Not Applicable

Specifications

| | |
|--------------------------------|--|
| Enclosure | OPEN |
| Frame | 56 |
| 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 | 1.100 KW @ 50 HZ |
| Phase | 1 |
| Synchronous Speed @ Frequency | 3000 RPM @ 50 HZ |
| Voltage @ Frequency | 220.0 V @ 50 HZ |
| Agency Approvals | C UR US WEEE UKCA CURUS CE |
| 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 | 6.100 A @ 220.0 V |
| Design Code | - |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 82.5 % |
| Electrically Isolated Bearing | Not Electrically Isolated |
| Feedback Device | NO FEEDBACK |
| Front Shaft Indicator | None |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 6.1 a |

Part detail

| | |
|--------------|---------------------|
| Revision | D |
| Type | AC |
| Mech. spec. | 35M497 |
| Base | |
| Status | PRD/A |
| Elec. spec. | 35WGG779 |
| Layout | 35LYM497 |
| Eff. date | 05-14-2024 |
| CD Diagram | CD0017A02 |
| Poles | 02 |
| Leads | 2#16 A PH,2#18 B PH |
| Proprietary | False |
| Created date | 06-01-2023 |

| | |
|--------------------------------------|---------------------|
| Insulation Class | B |
| Inverter Code | Not Inverter |
| KVA Code | J |
| Lifting Lugs | No Lifting Lugs |
| Locked Bearing Indicator | No Locked Bearing |
| Motor Lead Quantity/Wire Size | 2 @ 16 AWG, A PH |
| Motor Lead Termination | Flying Leads |
| Motor Standards | NEMA |
| Motor Type | 3530LC |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 12.94 IN |
| Power Factor | 98 |
| 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 | 0.625 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 2920 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. | L1313-50 | | | | | | | | | |
| SPEC. | 35M497G779G1 | | | | | | | | | |
| HP | 1.5/1.1KW | | | | | | | | | |
| VOLTS | 220 | | | | | | | | | |
| AMP | 6.1 | | | | | | | | | |
| R.P.M. (1/MIN) | 2920 | | | | | | | | | |
| FRAME | 56 | HZ | 50 | PH | 1 | | | | | |
| SER.F. | 1.15 | CODE | J | DES | - | CL | B | | | |
| NEMA-NOM-EFF | 82.5 | PF | 98 | | | | | | | |
| RATING | 40C AMB-S1 CONT | | | | | | | | | |
| CC | IP22 KG23 IC01 | | | | | | | | | |
| DE | 6205 | ODE | 6203 | | | | | | | |
| ENCL | OPEN | SN | | | | | | | | |

Accessories

| Part number | Description | Multiplier |
|--------------------|--------------------|-------------------|
| 35-8764 | C FACE KIT | A8 |
| 35EP1604A01SP | D-FLANGE KIT | A8 |

AC Induction Motor Performance Data

Record # 101573

Typical performance - not guaranteed values

| Winding: 35WGG779-R001 | | Type: 3530LC | Enclosure: OPEN | |
|------------------------|----------|-------------------------|---|--|
| Nameplate Data | | | 220 V, 50 Hz: Single Voltage Motor | |
| Rated Output (KW) | 1.1 | Full Load Torque | 2.651 LB-FT | |
| Volts | 220 | Start Configuration | direct on line | |
| Full Load Amps | 6.1 | Breakdown Torque | 8.72 LB-FT | |
| R.P.M. | 2920 | Pull-up Torque | 7.73 LB-FT | |
| Hz | 50 | Locked-rotor Torque | 9.1 LB-FT | |
| NEMA Design Code | - | Starting Current | 51.1 A | |
| Service Factor (S.F.) | 1.15 | No-load Current | 1.07 A | |
| NEMA Nom. Eff. | 82.5 | Line-line Res. @ 25°C | 1.321 Ω A Ph 2.6733 Ω B Ph | |
| Rating - Duty | 40C | Temp. Rise @ Rated Load | 24°C | |
| S.F. Amps | AMB-CONT | Temp. Rise @ S.F. Load | 28°C | |

Load Characteristics 220 V, 50 Hz, 1.1 KW

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor | 94 | 97 | 98 | 98 | 98 | 98 | 98 |
| Efficiency | 65 | 77.7 | 83.2 | 83.7 | 83.6 | 81.7 | 83.6 |
| Speed | 2979.3 | 2961.6 | 2943.7 | 2921.8 | 2897.6 | 2868.6 | 2907 |
| Line amperes | 2.08 | 3.35 | 4.62 | 6.09 | 7.64 | 9.39 | 7.02 |

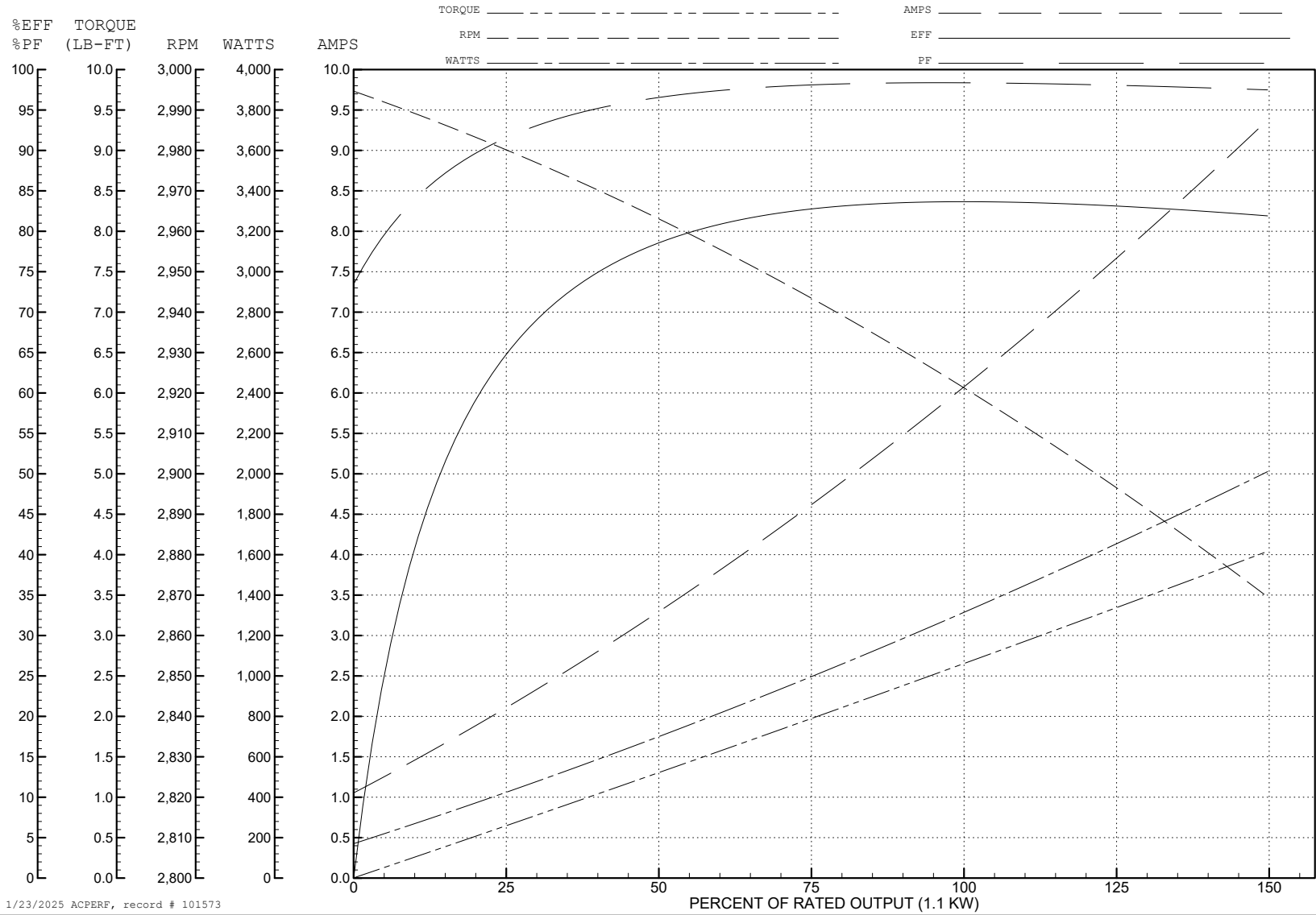
ABB Motors and Mechanical Inc.

WINDING # 35WGG779

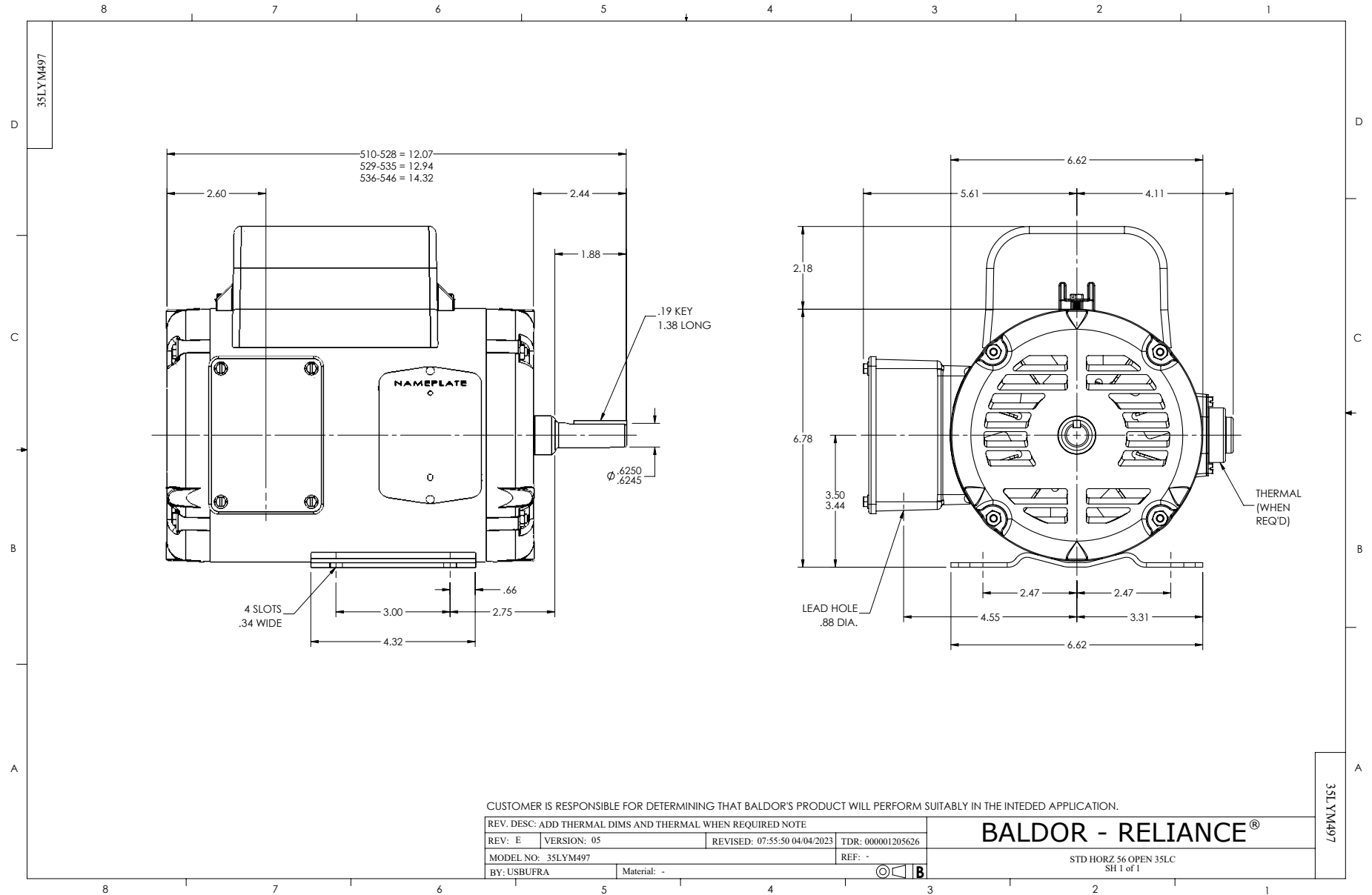
Typical performance - not guaranteed values.

1.1 KW 1 PH 50 HZ 2920 RPM 220 V 3530LC

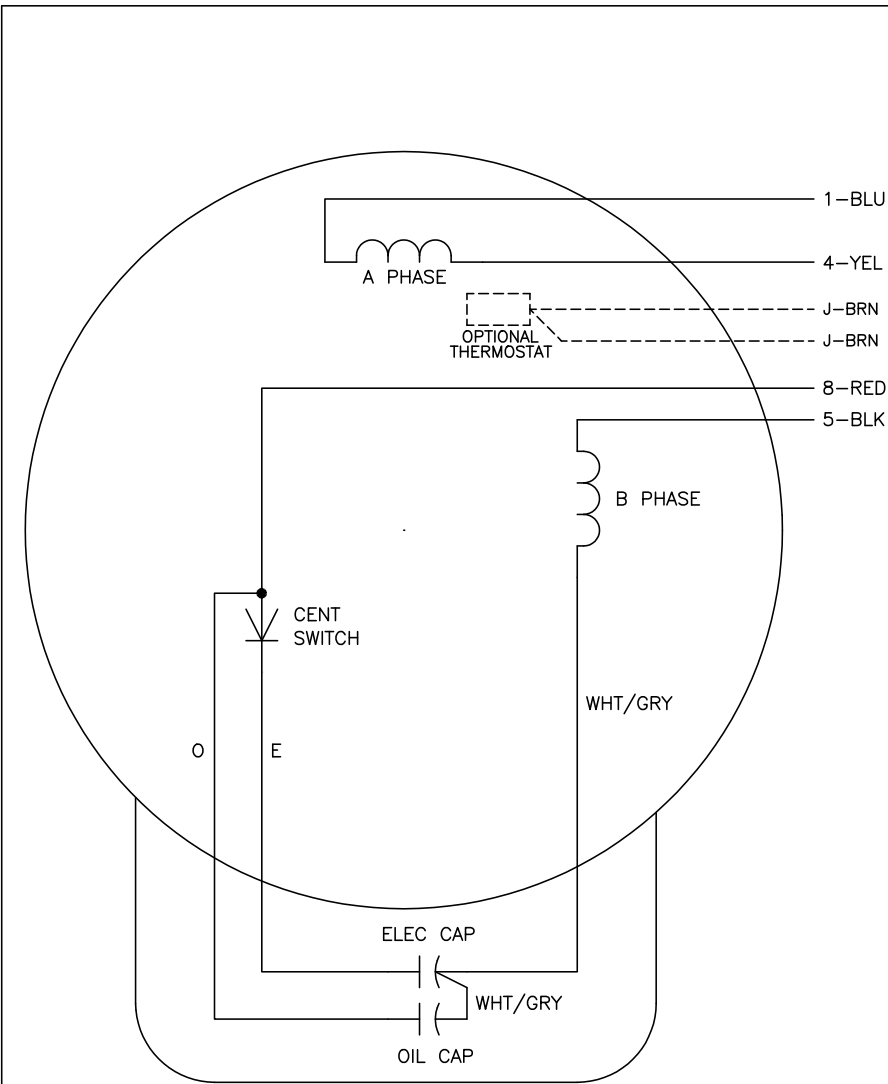
TORQUES (LB-FT): PO=8.72 PU=7.73 LR=9.1 LRA=51.1



1/23/2025 ACPERF, record # 101573



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