ABB BALDOR RELIANCE

# Customer information packet

## L1209-50

.5 /KW .37, 1440RPM, 1PH, 50HZ, 48, 3424LC, OP

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**Part Detail**

| | |
|---|---|
| **Revision** | F |
| **Type** | AC |
| **Mech. spec.** | 34F351 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | 34WGX075 |
| **Layout** | 34LYF351 |
| **Eff. date** | 12-31-2024 |
| **CD Diagram** | CD0055 |
| **Poles** | 04 |
| **Leads** | 6#18 |
| **Proprietary** | True |
| **Created date** | 02-16-2023 |

**Nameplate**

| | NP1372L | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **CAT.NO.** | L1209-50 | | | | | | | |
| **SPEC.** | 34F351X075G1 | | | | | | | |
| **HP** | .5 /KW .37 | | | | | | | |
| **VOLTS** | 110/220 | | | | | | | |
| **AMP** | 5.2/2.6 | | | | | | | |
| **R.P.M. (1/MIN)** | 1440 | | | | | | | |
| **FRAME** | 48 | **HZ** | 50 | | **PH** | 1 | | |
| **SER.F.** | 1.25 | **CODE** | K | **DES** | - | **CL** | B | |
| **NEMA-NOM-EFF** | 72.7 | **PF** | 89 | | | | | |
| **RATING** | 40C AMB-S1 CONT | | | | | | | |
| **CC** | | | IP23 15KG IC01 | | | | | |
| **DE** | 6203 | **ODE** | 6203 | | | | | |
| **ENCL** | OPEN | **SN** | | | | | | |
| | SFA 6.2/3.1 | | | | | | | |

**AC Induction Motor Performance Data**
Record # 101564
Typical performance - not guaranteed values

| **Winding:** 34WGX075-R001 | **Type:** 3424LC | **Enclosure:** OPEN |
|---|---|---|

| **Nameplate Data** | | | | **220 V, 50 Hz: High Voltage Connection** | |
|---|---|---|---|---|---|
| **Rated Output (KW)** | | | .37 | **Full Load Torque** | 1.809 LB-FT |
| **Volts** | | | 110/220 | **Start Configuration** | direct on line |
| **Full Load Amps** | | | 5.2/2.6 | **Breakdown Torque** | 5.01 LB-FT |
| **R.P.M.** | | | 1440 | **Pull-up Torque** | 4.58 LB-FT |
| **Hz** | 50 | **Phase** | 1 | **Locked-rotor Torque** | 5.62 LB-FT |
| **NEMA Design Code** | - | **KVA Code** | K | **Starting Current** | 18.7 A |
| **Service Factor (S.F.)** | | | 1.25 | **No-load Current** | 1.35 A |
| **NEMA Nom. Eff.** | 72.7 | **Power Factor** | 89 | **Line-line Res. @ 25ºC** | 4.8685 Ω A Ph<br>4.0366 Ω B Ph |
| **Rating - Duty** | | | 40C AMB-CONT | **Temp. Rise @ Rated Load** | 43°C |
| **S.F. Amps** | | | 6.2/3.1 | **Temp. Rise @ S.F. Load** | 51°C |

**Load Characteristics 220 V, 50 Hz, 0.37 KW**

| **% of Rated Load** | **25** | **50** | **75** | **100** | **125** | **150** | **S.F.** |
|---|---|---|---|---|---|---|---|
| **Power Factor** | 65 | 78 | 85 | 89 | 92 | 93 | 92 |
| **Efficiency** | 43.9 | 61.4 | 69.7 | 73.2 | 74.3 | 73.7 | 74.3 |
| **Speed** | 1485.2 | 1474.4 | 1461.8 | 1448.3 | 1432.2 | 1413.8 | 1432 |
| **Line amperes** | 1.49 | 1.77 | 2.15 | 2.58 | 3.09 | 3.66 | 3.09 |

ABB Motors and Mechanical Inc.

WINDING # 34WGX075

0.37 KW 1 PH 50 HZ 1440 RPM 220 V 3424LC

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=5.01 PU=4.58 LR=5.62 LRA=18.7

