

**BALDOR • RELIANCE**

---

# Customer information packet

## L1209-50

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

**Part detail**

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

**Nameplate**

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

**AC Induction Motor Performance Data**

Record # 101564

Typical performance - not guaranteed values

Winding: 34WGX075-R001		Type: 3424LC	Enclosure: OPEN	
<b>Nameplate Data</b>			<b>220 V, 50 Hz: High Voltage Connection</b>	
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	Locked-rotor Torque	5.62 LB-FT	
NEMA Design Code	- KVA Code	Starting Current	18.7 A	
Service Factor (S.F.)	1.25	No-load Current	1.35 A	
NEMA Nom. Eff.	72.7 Power Factor	Line-line Res. @ 25°C	4.8685 Ω A Ph 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

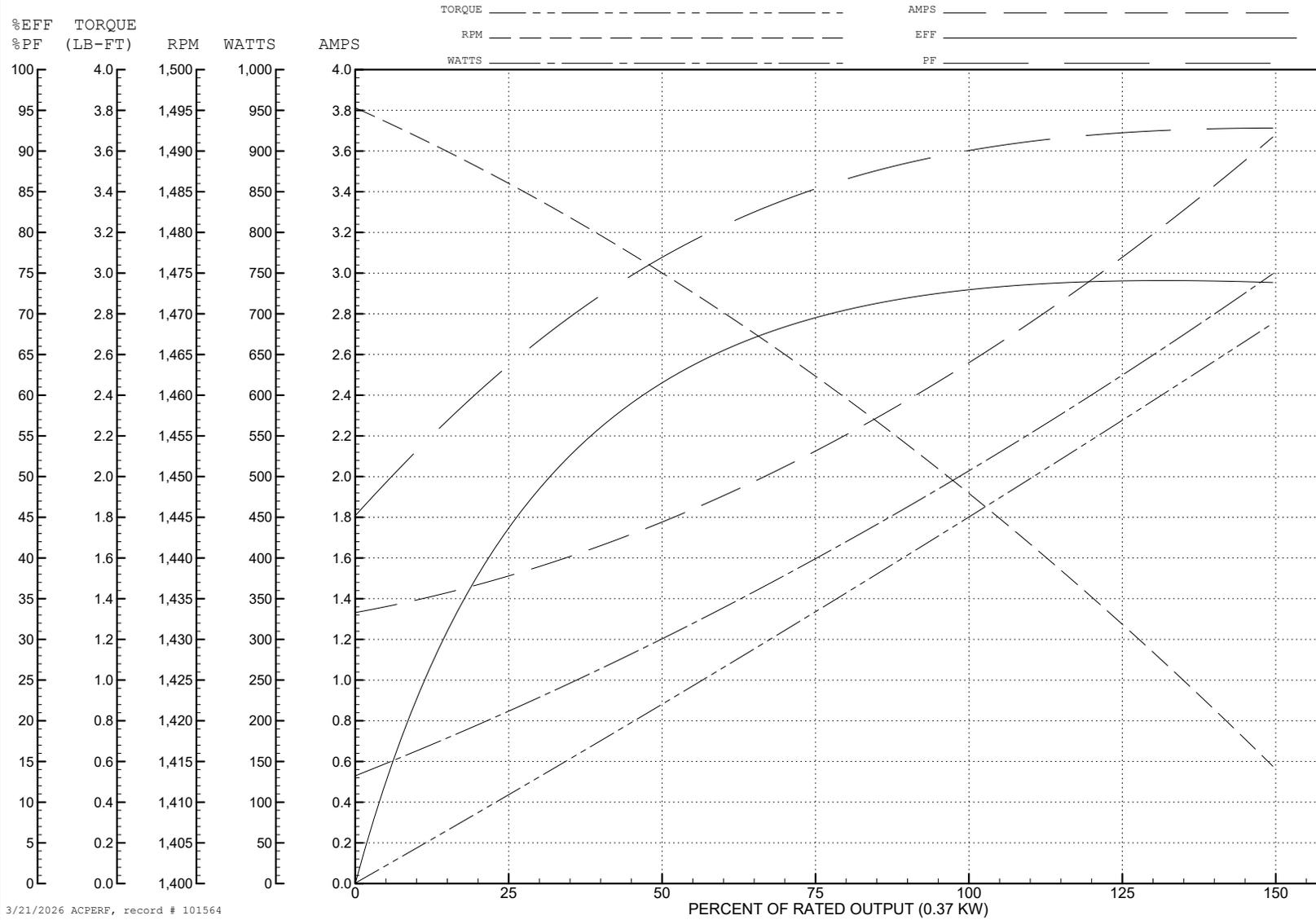
ABB Motors and Mechanical Inc.

WINDING # 34WGx075

Typical performance - not guaranteed values.

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

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



3/21/2026 ACPERF, record # 101564