

**BALDOR • RELIANCE**

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# 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

<b>Winding: 34WGX075-R001</b>		<b>Type: 3424LC</b>		<b>Enclosure: OPEN</b>	
<b>Nameplate Data</b>			<b>220 V, 50 Hz: High Voltage Connection</b>		
<b>Rated Output (KW)</b>	.37	<b>Full Load Torque</b>	1.809 LB-FT		
<b>Volts</b>	110/220	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	5.2/2.6	<b>Breakdown Torque</b>	5.01 LB-FT		
<b>R.P.M.</b>	1440	<b>Pull-up Torque</b>	4.58 LB-FT		
<b>Hz</b>	50 <b>Phase</b>	1	<b>Locked-rotor Torque</b>	5.62 LB-FT	
<b>NEMA Design Code</b>	- <b>KVA Code</b>	K	<b>Starting Current</b>	18.7 A	
<b>Service Factor (S.F.)</b>	1.25		<b>No-load Current</b>	1.35 A	
<b>NEMA Nom. Eff.</b>	72.7 <b>Power Factor</b>	89	<b>Line-line Res. @ 25°C</b>	4.8685 Ω A Ph 4.0366 Ω B Ph	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	43°C	
<b>S.F. Amps</b>	6.2/3.1		<b>Temp. Rise @ S.F. Load</b>	51°C	

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

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

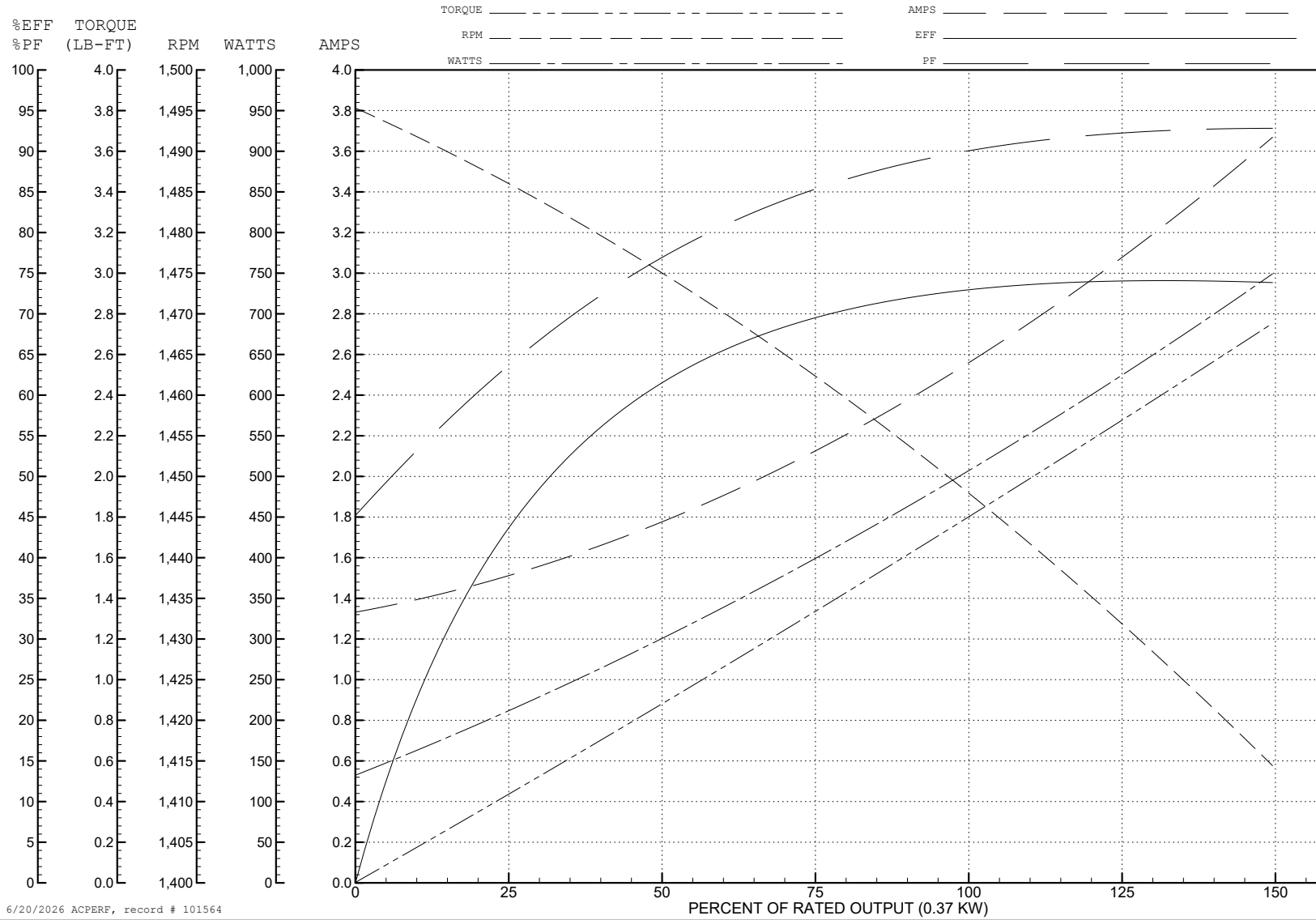
ABB Motors and Mechanical Inc.

WINDING # 34WX075

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



6/20/2026 ACPERF, record # 101564