

ABB BALDOR RELIANCE III

Customer information packet

L1209-50

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

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	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	
Rating - Duty		40C AMB-CONT	Line-line Res. @ 25°C		4.8685 Ω A Ph 4.0366 Ω B Ph	
S.F. Amps		6.2/3.1	Temp. Rise @ Rated Load		43°C	
			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 # 34WG075

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

