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 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

