

BALDOR® • RELIANCE

Product Information Packet

L5004A-C

.5HP,1725RPM,1PH,60HZ,56,3424L,XPFC,F1,N

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3424L	Elec. Spec:	34WGW369	CD Diagram:	CD0565
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	34-6864	Layout:	34LY6864
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	12-05-2007
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	03-06-2014
Leads:	6#18,1#16 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0301XPSL

NO.		CC	
SER.			
SPEC.	34-6864W369G1		
CAT.NO.	L5004A-C		
HP	.5	T. CODE	T3C
VOLTS	115/208-230		
AMPS	7.4/3.9-3.7		
RPM	1725		
HZ	60	PH	1
SER.F.	1.00	DES	N
RATING	40C AMB-CONT	CL	B
FRAME	56	CODE	J
USABLE AT 208V	3.9		
BLANK			

Parts List		
Part Number	Description	Quantity
SA165542	SA 34-6864W369G1	1.000 EA
RA153942	RA 34-6864W369G1	1.000 EA
TPMRJ38RX	THERMAL 1PH 0.75 AUT 120C	1.000 EA
EC1130A08SP	ELEC CAP 115V 1.125X2.750 X	2.000 EA
MJ5000A01	SEALANT, CHICO A COMPOUND	0.050 LB
35CB1005A01	CONDUIT BOX,MACH - GROUP "C" MTRS	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.014 GA
34EP3703A02	XP ENDPLATE, MACH	1.000 EA
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 EA
HA1025A13	WSHR,FELT,.38" THICK F-26 CLASS	1.000 EA
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3704A02	XP ENDPLATE, MACH	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB1501A01	CONDUIT BOX LID, MACH. - GROUP "C" MTRS	1.000 EA
RM1020A41	O-RING, -150 BUNA-N, .103 CS X 2.862 ID	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1359	ALUM XP CAUTION LABEL	1.000 EA
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
12XF0632A06	6-32X3/8 TY F HEX HD SLT	2.000 EA
NS2500A05	INSULATOR, AUTO THER PROT	1.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	5.000 EA
SP5036A02	STAT.SWITCH ASSY. MODEL 34-TYPE L OR S -	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	6.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	8.000 EA
HA3104A08	THRUBOLT-5/16-18X9.375 X X	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
NP0301XPSL	SS XP UL CSA CC CL-I GP-C&D CL-II GP-F&G	1.000 EA
35PA1007	PKG GRP, PRINT PK1034A06	1.000 EA

AC Induction Motor Performance Data

Record # 48773 - Typical performance - not guaranteed values

Winding: 34WGW369-R001	Type: 3424L	Enclosure: XPFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.5 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	7.4/3.9-3.7			Breakdown Torque	4.4 LB-FT
R.P.M.	1725			Pull-up Torque	4 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.1 LB-FT
NEMA Design Code	N	KVA Code	J	Starting Current	38.8 A
Service Factor (S.F.)	1			No-load Current	5.62 A
NEMA Nom. Eff.	64	Power Factor	66	Line-line Res. @ 25°C	0.913 Ω A Ph 2.88 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	61°C
				Locked-rotor Power Factor	89.3
				Rotor inertia	0.057 LB-FT ²

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	37	48	59	67	74	79
Efficiency	38.9	55.3	62.3	64.9	65.3	63.8
Speed	1781	1768	1753	1736	1717	1696
Line amperes	5.78	6.12	6.62	7.38	8.26	9.38

Performance Graph at 115V, 60Hz, 0.5HP Typical performance - Not guaranteed values





