

BALDOR® • RELIANCE

Product Information Packet

L3404

.25HP,1140RPM,1PH,60HZ,48,3421L,TEFC,F1

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3421L	Elec. Spec:	34WG5613	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34C051	Layout:	34LYC051
Frame:	48	Mounting:	F1	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-27-2015
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	L3404											
SPEC.	34C51-5613											
HP	.25											
VOLTS	115/230											
AMP	6.4/3.2											
RPM	1140											
FRAME	48				HZ	60				PH	1	
SER.F.	1.35			CODE	N	DES	N		CLASS	B		
NEMA-NOM-EFF	48			PF	53							
RATING	40C AMB-CONT											
CC				USABLE AT 208V							3.6	
DE	6203				ODE	6203						
ENCL	TEFC			SN								
	SFA 6.8/3.4											

Parts List		
Part Number	Description	Quantity
SA008583	SA 34C51-5613	1.000 EA
RA005030	RA 34C51-5613	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-3900T	C-FACE KIT	A8

AC Induction Motor Performance Data

Record # 6803 - Typical performance - not guaranteed values

Winding: 34WG5613-R001	Type: 3421L	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	1.13 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	6.4/3.2			Breakdown Torque	3.33 LB-FT
R.P.M.	1140			Pull-up Torque	2.83 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.5 LB-FT
NEMA Design Code	N	KVA Code	N	Starting Current	12.9 A
Service Factor (S.F.)	1.35			No-load Current	2.9 A
NEMA Nom. Eff.	48	Power Factor	53	Line-line Res. @ 25°C	8.08 Ω A Ph 6.68 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	77°C
S.F. Amps	6.8/3.4			Temp. Rise @ S.F. Load	90°C

Load Characteristics 230 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	39	47	53	59	65	63
Efficiency	21	35	43	48	51	52	51.5
Speed	1188	1170	1160	1145	1130	1110	1120
Line amperes	2.9	3	3.1	3.2	3.3	3.6	3.4

Performance Graph at 230V, 60Hz, 0.25HP Typical performance - Not guaranteed values





