

BALDOR® • RELIANCE

Product Information Packet

VL1313A

1.5HP,3450RPM,1PH,60HZ,56C,3432LC,OPEN

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3432LC	Elec. Spec:	34WGX598	CD Diagram:	CD0703
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34H551	Layout:	34LYH551
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	
Base:	N	Rotation:	ROS	Insulation:	B	Eff. Date:	06-03-2015
Leads:	4#16 A&J,2#18 B PH,1#14 #1TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	VL1313A									
SPEC.	34H551X598									
HP	1.5									
VOLTS	115/230									
AMP	13/6.5									
RPM	3450									
FRAME	56C				HZ 60				PH 1	
SER.F.	1.30			CODE H		DES -		CL B		
NEMA-NOM-EFF	78.5			PF 95						
RATING	40C AMB-CONT									
CC				USABLE AT 208V						
DE	6203			ODE 6203						
ENCL	OPEN			SN						
	SFA 17/8.5									

Parts List		
Part Number	Description	Quantity
SA044014	SA 34H551X598	1.000 EA
RA039469	RA 34H551X598	1.000 EA
OC3050C09	CYL OIL CAP 50MFD/240V	1.000 EA
EC1540A06SP	ELEC CAP, 540-648 MFD, 125V, 2.06D X 4.	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
34EP3202A02	FR ENDPLATE, MACH	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3400A05	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FH4500A02P	DRIPCOVER, MODEL 34	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 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
SP5068A03	34LC TERM PANEL STAT SWITCH #E-6" AND #O	1.000 EA
HA3100A38	THRUBOLT 10-32 X 9.375	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1010	PKG GRP, BLANK PK1008	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 7475 - Typical performance - not guaranteed values

Winding: 34WGX598-R001	Type: 3432LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	13/6.5			Breakdown Torque	6.2 LB-FT
R.P.M.	3450			Pull-up Torque	5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	6.7 LB-FT
NEMA Design Code	-	KVA Code	H	Starting Current	43.5 A
Service Factor (S.F.)	1.3			No-load Current	1.65 A
NEMA Nom. Eff.	78.5	Power Factor	95	Line-line Res. @ 25°C	1.58 Ω A Ph 1.44 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	38°C
S.F. Amps	17/8.5			Temp. Rise @ S.F. Load	53°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	81	90	93	95	95	95	95
Efficiency	60.5	76.2	77.7	78.5	77.2	75.3	76.8
Speed	3566	3534	3498	3455	3403	3343	3391
Line amperes	2.45	3.65	5	6.5	8.25	10.25	8.65

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values





