

BALDOR® • RELIANCE

Product Information Packet

VEL11306

.75HP,3450RPM,1PH,60HZ,56C,3428LC,OPEN,F

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3428LC	Elec. Spec:	34WGS943	CD Diagram:	CD0055
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34M524	Layout:	34LYM524
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	09-25-2014
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	01-19-2015
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3155L

CAT.NO.	VEL11306										
SPEC.	34M524S943G1										
HP	.75										
VOLTS	115/230										
AMP	6.3/3.3										
RPM	3450										
FRAME	56C				HZ	60			PH	1	
SER.F.	1.25		CODE	J	DES	N		CL	B		
F.L. AVG. EFF.	76.2			PF	95						
RATING	40C AMB-CONT										
CC					USABLE AT 208V						
DE	6203				ODE	6203					
ENCL	OPEN		SN								
	SFA 8.4/4.2										

Parts List		
Part Number	Description	Quantity
SA287540	SA 34M524S943G1	1.000 EA
RA273750	RA 34M524S943G1	1.000 EA
OC3030F11SP	CYL OIL CAP 30MFD/370V	1.000 EA
EC1400A03	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	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
34EP3200A03SP	FR ENDPLATE, MACH	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 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
34FH4000A11	DRIP COVER, STAMPED,PRIMER	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 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
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5051A03	MODEL 35 TORQ STATIONARY SWITCH LEAD ASS	1.000 EA
HA3100A22	THRUBOLT 10-32 X 10.125	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP3155L	ALUM SUPER-E UL CSA CC "SEMS"	1.000 EA
27PA1001	PKG GRP, PRINT PK1027A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 47427 - Typical performance - not guaranteed values

Winding: 34WGS943-R002	Type: 3428LC	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.14 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	6.3/3.3			Breakdown Torque	3.88 LB-FT
R.P.M.	3450			Pull-up Torque	2.07 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.92 LB-FT
NEMA Design Code	N	KVA Code	J	Starting Current	24.8 A
Service Factor (S.F.)	1.25			No-load Current	0.961 A
NEMA Nom. Eff.	76.2	Power Factor	95	Line-line Res. @ 25°C	2.4012 Ω A Ph 2.118 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	12°C
S.F. Amps	8.4/4.2			Temp. Rise @ S.F. Load	16°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	77	89	93	95	95	95	95
Efficiency	62.6	74.2	78.2	77.5	76.1	74.7	76.1
Speed	3567.6	3537.1	3504.2	3465	3419.8	3372.1	3420
Line amperes	1.23	1.84	2.51	3.32	4.21	5.14	4.21

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





