

BALDOR® • RELIANCE

Product Information Packet

VL3514T

1.5HP,1725RPM,1PH,60HZ,145TC,3532LC,TEFC

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3532LC	Elec. Spec:	35WGN568	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35EE006	Layout:	35LYEE006
Frame:	145TC	Mounting:	F1	Poles:	04	Created Date:	08-30-2012
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	09-08-2015
Leads:	4#16 A&J,2#18 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	VL3514T										
SPEC.	35EE006N568G1										
HP	1.5										
VOLTS	115/230										
AMP	12.4/6.2										
RPM	1725										
FRAME	145TC				HZ		60			PH	1
SER.F.	1.15		CODE		J	DES		L	CLASS		B
NEMA-NOM-EFF	80			PF		96					
RATING	40C AMB-CONT										
CC				USABLE AT 208V							6.8
DE	6205				ODE		6203				
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA250419	SA 35EE006N568G1	1.000 EA
RA237274	RA 35EE006N568G1	1.000 EA
OC3060C09	CYL OIL CAP 60MFD/240V	1.000 EA
EC1540A04	ELEC CAP, 540-648 MFD, 125V, 1.81D X 4.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	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
35FE3100M01	FREP TEFC ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801	CAPACITOR COVER, CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A46	PULLEY ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES PRIMED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 39613 - Typical performance - not guaranteed values

Winding: 35WGN568-R001	Type: 3532LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.48 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	12.4/6.2			Breakdown Torque	12.1 LB-FT
R.P.M.	1725			Pull-up Torque	8.43 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	13.8 LB-FT
NEMA Design Code	L	KVA Code	J	Starting Current	49.5 A
Service Factor (S.F.)	1.15			No-load Current	1.76 A
NEMA Nom. Eff.	80	Power Factor	96	Line-line Res. @ 25°C	1.69 Ω A Ph 1.5344 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	82°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	83	91	95	96	96	96	96
Efficiency	58.3	74.3	79.3	81.2	80.3	77.8	80.7
Speed	1786.8	1773.6	1758.8	1742.3	1721.1	1696.6	1730
Line amperes	2.41	3.53	4.78	6.21	7.86	9.72	7.2

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





