

BALDOR® • RELIANCE

Product Information Packet

L3514T

1.5HP,1755RPM,1PH,60HZ,145T,3526LC,TEFC

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3526LC	Elec. Spec:	35WGP244	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35EE001	Layout:	35LYEE001
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	12-22-2009
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	03-17-2016
Leads:	4#16 A PH,2#18 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	L3514T												
SPEC.	35EE001P244												
HP	1.5												
VOLTS	115/208-230												
AMP	14/7.3-7												
RPM	1755												
FRAME	145T				HZ		60			PH	1		
SER.F.	1.15		CODE		K	DES		L	CLASS		F		
NEMA-NOM-EFF	78.5			PF		88			CLASS				
RATING	40C AMB-CONT												
CC					USABLE AT 208V								
DE	6205				ODE		6203						
ENCL	TEFC		SN										

Parts List		
Part Number	Description	Quantity
SA189068	SA 35EE001P244	1.000 EA
RA176787	RA 35EE001P244	1.000 EA
OC3070C09	AEROVOX #Z24P247OM22A1 OIL CAP 70MFD/240	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	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
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35PE3101A01	PUEP ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	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
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 23720 - Typical performance - not guaranteed values

Winding: 35WGP244-R001	Type: 3526LC	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	14.0/7.0			Breakdown Torque	13.9 LB-FT
R.P.M.	1755			Pull-up Torque	9 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	12.4 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	56.1 A
Service Factor (S.F.)	1.15			No-load Current	3.75 A
NEMA Nom. Eff.	78.5	Power Factor	88	Line-line Res. @ 25°C	1.58 Ω A Ph 1.29 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	77°C
S.F. Amps				Temp. Rise @ S.F. Load	95°C

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	57	73	83	88	91	93	90
Efficiency	51.3	69	76.6	79	79.2	76.5	79.1
Speed	1790	1779	1767	1755	1741	1721	1747
Line amperes	4.02	4.8	5.7	6.99	8.37	10.3	7.82

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





