

BALDOR® • RELIANCE

Product Information Packet

WDL3514T

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

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3532LC	Elec. Spec:	35WGN568	CD Diagram:	CD0055
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E2676	Layout:	35LYE2676
Frame:	145T	Mounting:	F1	Poles:	04	Created Date:	05-20-2014
Base:	RG	Rotation:	FOS	Insulation:	F	Eff. Date:	01-04-2017
Leads:	4#16 A&J,2#18 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L

CAT.NO.	WDL3514T										
SPEC.	35E2676N568G1										
HP	1.5										
VOLTS	115/230										
AMP	12.4/6.2										
RPM	1725										
FRAME	145T					HZ	60			PH	1
SER.F.	1.15				CODE	J	DES	L		CLASS	F
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
SA281291	SA 35E2676N568G1	1.000 EA
RA267745	RA 35E2676N568G1	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
35CB3003A02W	CONDUIT BOX W/.50 NPT LEAD HOLE, MACH WH	1.000 EA
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3100M02W	FREP TEFC 203 BRG WHITE POWDERCOAT	1.000 EA
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801W	CAPACITOR COVER, CAST W/WHITE EPOXY	1.000 EA
35GS3006	1/16"WHT CAPAC.BOX GASK.	1.000 EA
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 EA
HA7010	CAPACITOR RETENTION CLAMP	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A87MW	PU ENCL 205 BRG W/LOCKED BRG, SEAL & (4)	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HA4066A01	PUSH IN T-DRAIN FITTING (BLACK)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
XY1032S02	10-32 HEX NUT R.H. S STL	4.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
35CB4516	CONDUIT BOX LID, PRIMER	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B39SP	V-RING SLINGER 0.550 X 0.790 X .18 VITON	1.000 EA
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
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
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025Z02	ACTIVATOR WILKOFASST 060.02HF	0.010 GA
MG1025W01	WILKOFASST, 781.01, SIGNAL WHITE #9003	0.017 GA
HA3100S05	THRUBOLT - 10-32 X 10.125 302 OR 303	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA

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LB1119N	WARNING LABEL	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 39616 - Typical performance - not guaranteed values

Winding: 35WGN568-R002	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





