

BALDOR® • RELIANCE

Product Information Packet

CWDL3509

1HP,3450RPM,1PH,60HZ,56C,3520L,TEFC,F1

Part Detail							
Revision:	AG	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520L	Elec. Spec:	35WGX964	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35T985	Layout:	35LYT985
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-14-2016
Leads:	4#16 A PH,2#18 B PH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L

CAT.NO.	CWDL3509											
SPEC.	35T985X964G1											
HP	1											
VOLTS	115/230											
AMP	11.8/5.9											
RPM	3450											
FRAME	56C				HZ		60		PH	1		
SER.F.	1.25		CODE		K		DES		N		CLASS	F
NEMA-NOM-EFF	68			PF		82						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								6.1
DE	6205			ODE		6203						
ENCL	TEFC		SN									
	SFA 14/7											

Parts List		
Part Number	Description	Quantity
SA111053	SA 35T985X964G1	1.000 EA
RA102432	RA 35T985X964G1	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET W/LIP, 1.12 LEAD 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
35EP3100M04MW	FREP TEFC,"O" DRILLS,NO GR SR, MACH.WHITE	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	4.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GR SR W/3 HOLES - PRIMED	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
35CB4522	35 LIPPED CB LID PRIMED	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

Parts List (continued)		
Part Number	Description	Quantity
HW1003S08	WASHER, #8 EX TH LK, SS	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	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
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025W01	WILKOFASST, 781.01, SIGNAL WHITE #9003	0.017 GA
HA3100S08	THRUBOLT 7.375LG SS	4.000 EA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
35GS1016A03	GASKET, CAPAC BOX FOR 35CB4802 WD MOTORS	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 20606 - Typical performance - not guaranteed values

Winding: 35WGX964-R004	Type: 3520L	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	1.5 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	11.8/5.9			Breakdown Torque	4.25 LB-FT
R.P.M.	3450			Pull-up Torque	3.5 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	4.75 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	38 A
Service Factor (S.F.)	1.25			No-load Current	3.2 A
NEMA Nom. Eff.	68	Power Factor	82	Line-line Res. @ 25°C	2 Ω A Ph 1.77 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
S.F. Amps	14/7			Temp. Rise @ S.F. Load	90°C

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	64	72	80	84	86	84
Efficiency	50	61	67	68	67	64.5	67
Speed	3560	3525	3485	3450	3400	3340	3400
Line amperes	3.5	4.2	5	5.9	7	8.4	7

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values





