

# **BALDOR**® • *RELIANCE*

## **Product Information Packet**

# **CWDL3513**

**1.5HP,3450RPM,1PH,60HZ,56C,3524L,TEFC,F1**

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Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524L	Elec. Spec:	35WGY748	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35T985	Layout:	
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	06-22-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-04-2012
Leads:	4#16 A PH,2#18 B PH	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1496L									
CAT.NO.	CWDL3513								
SPEC.	35T985Y748G1								
HP	1.5								
VOLTS	115/230								
AMP	16/8								
RPM	3450								
FRAME	56C	HZ	60	PH	1				
SER.F.	1.15	CODE	J	DES	L	CLASS	F		
NEMA-NOM-EFF	70	PF	85						
RATING	40C AMB-CONT								
CC				USABLE AT 208V	8.4				
DE	6205	ODE	6203						
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA111054	SA 35T985Y748G1	1.000 EA
RA102433	RA 35T985Y748G1	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 GRSSR, MACH.WHITE	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49SP	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 GRSSR W/3 HOLES - W/AUTOPHERETI	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
35CB4522	35 LIPPED CB LID AUTOPHORETIC	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

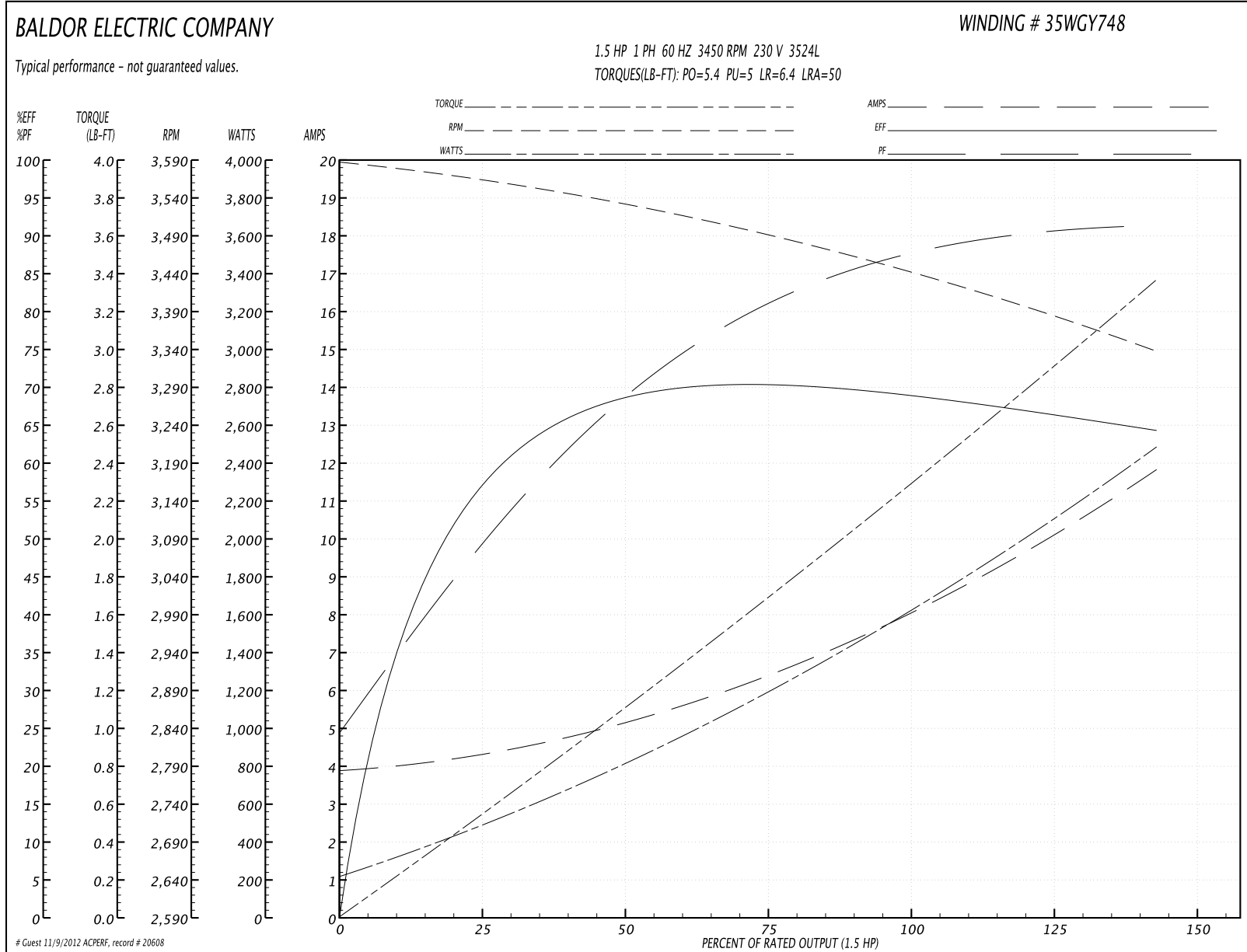
Parts List (continued)		
Part Number	Description	Quantity
HW1003S08	WASHER, #8 EX TH LK, SS	4.000 EA
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 EA
HW4600B46SP	SEAL 0.875 X 1.420 X 0.240 FACE SEALING	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A01	46-665 RED SEALER	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
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025W01	PAINT- 781-01 WILKOFASST WHITE EPOXY	0.017 GA
HA3100S11	THRUBOLT - 10-32 X 8.500 W	4.000 EA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
35GS1016A02	GASKET-1/16 THK WHITE RUBBER USED W/HOSE	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA

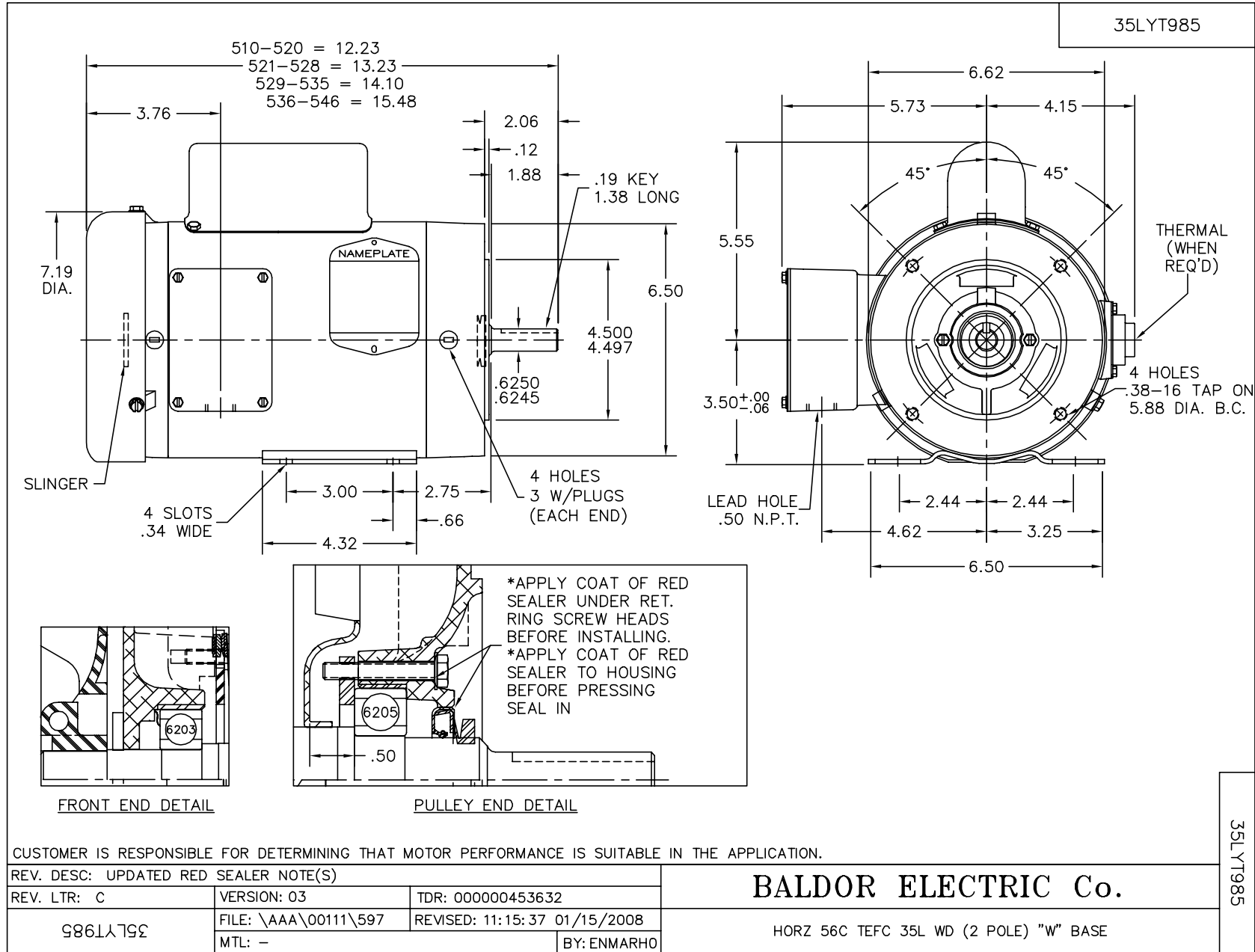
**Performance Data at 230V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)**

General Characteristics			
Full Load Torque:	2.25 LB-FT	Start Configuration:	DOL
No-Load Current:	3.9 Amps	Break-Down Torque:	5.4 LB-FT
Line-line Res. @ 25°C.:	1.58 Ohms A Ph / 1.29 Ohms B Ph	Pull-Up Torque:	5.0 LB-FT
Temp. Rise @ Rated Load:	80 C	Locked-Rotor Torque:	6.4 LB-FT
Temp. Rise @ S.F. Load:	90 C	Starting Current:	50.0 Amps

Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	50.0	68.0	78.0	85.0	89.0	90.0	87.0
Efficiency:	56.0	68.0	70.0	70.0	67.0	64.0	69.5
Speed:	3560.0	3530.0	3490.0	3450.0	3395.0	3335.0	3430.0
Line Amperes:	4.3	5.2	6.3	8.0	9.8	11.8	9.0

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





CD0001



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, 6 LEADS

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