

BALDOR® • *RELIANCE*

Product Information Packet

VWDL3504

.5HP, 1725RPM, 1PH, 60HZ, 56C, 3520L, TEFC, F1

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Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520L	Elec. Spec:	35WGN406	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35S583	Layout:	
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	09-17-2012
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-05-2012
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1496L

CAT.NO.	VWDL3504						
SPEC.	35S583N406G1						
HP	.5						
VOLTS	115/230						
AMP	7.4/3.7						
RPM	1725						
FRAME	56C	HZ	60	PH	1		
SER.F.	1.25	CODE	M	DES	N	CLASS	F
NEMA-NOM-EFF	68	PF	65				
RATING	40C AMB-CONT						
CC		USABLE AT 208V	4.1				
DE	6205	ODE	6203				
ENCL	TEFC	SN					
	SFA 8.2/4.1						

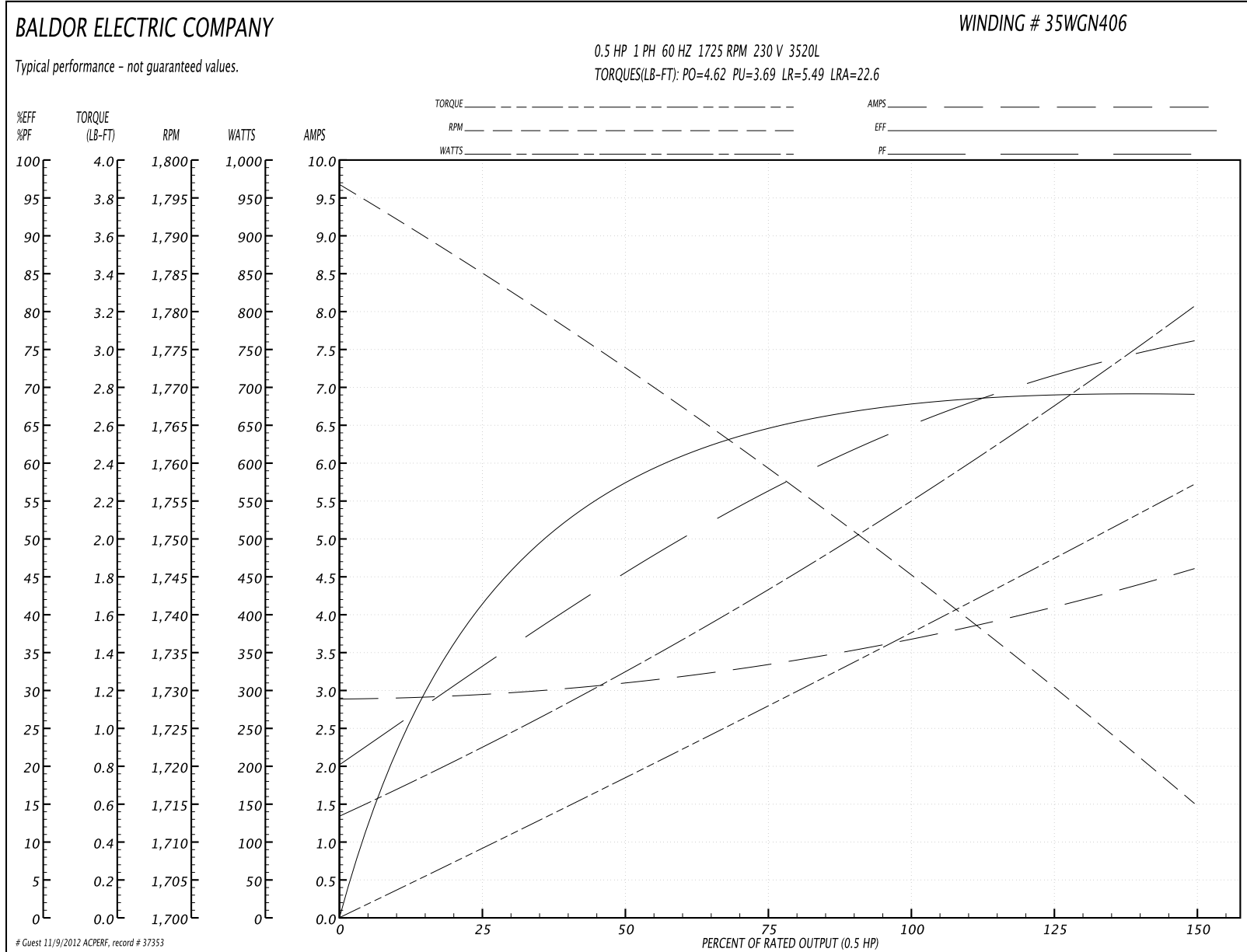
Parts List		
Part Number	Description	Quantity
SA251234	SA 35S583N406G1	1.000 EA
RA238076	RA 35S583N406G1	1.000 EA
EC1400A03SP	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01W	35 CB .50 NPT @ 6, MACH WHITE EPOXY	1.000 EA
35GS1039	05 MOLDED GASKET 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 GRSR, MACH.WHITE	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	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
HW4600B49SP	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
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GRSR 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

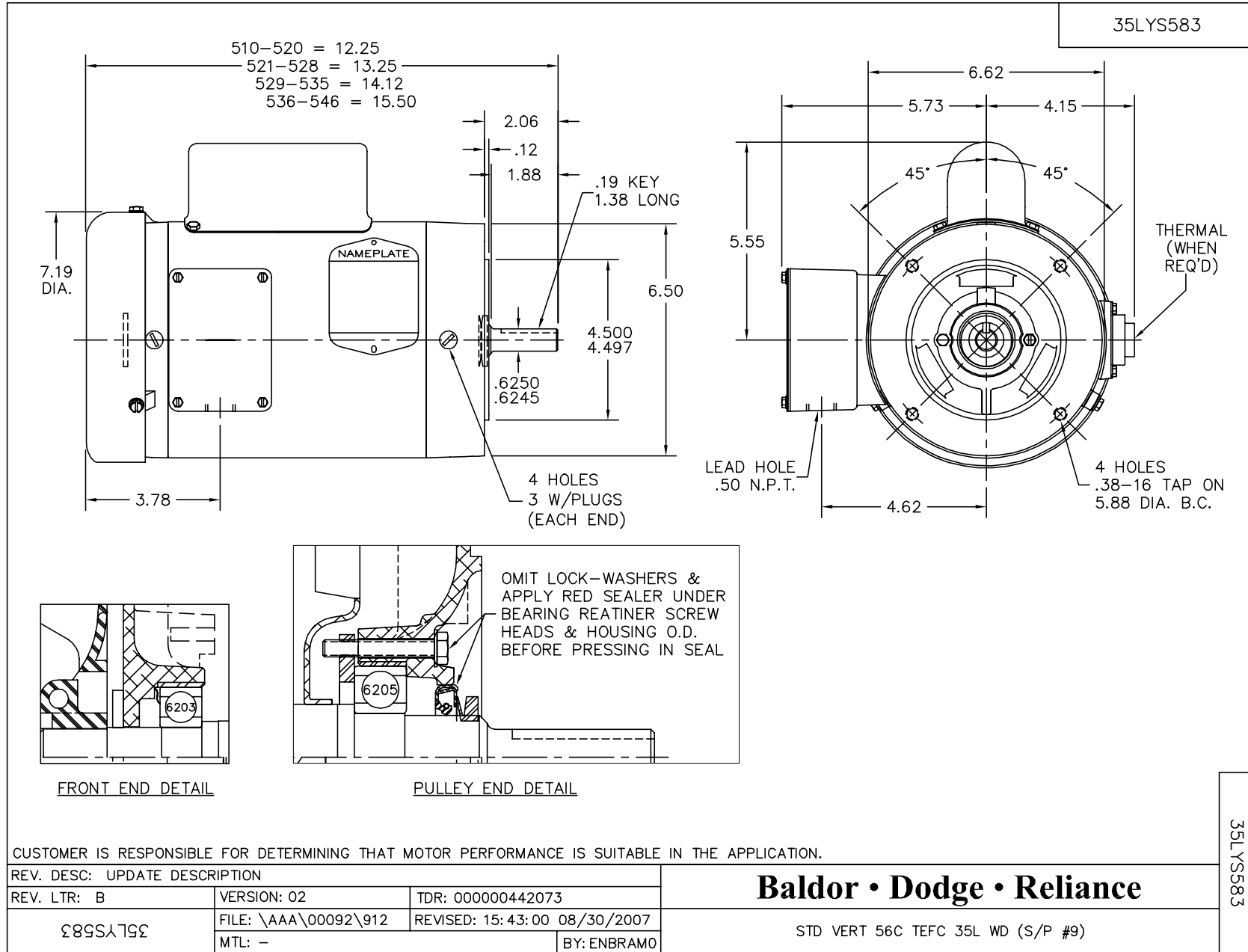
Parts List (continued)		
Part Number	Description	Quantity
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HA1005A05SP	SLINGER, OD 1.50, ID .659, 203 BRG	1.000 EA
HW4600B46SP	SEAL 0.875 X 1.420 X 0.240 FACE SEALING	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ5001A01	46-665 RED SEALER	0.001 QT
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
MG1025W11	PAINT- 781-101 WILKOFASST WHITE EPOXY	0.017 GA
MG1025Z20	ACTIVATOR WILKOFASST 060.32	0.010 GA
35GS1016A03	GASKET, CAPAC BOX FOR 35CB4802 WD MOTORS	1.000 EA
HA3100S08	THRUBOLT 7.375LG SS	4.000 EA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	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
PK3082	STYROFOAM CRADLE	1.000 EA

Performance Data at 230V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	1.51 LB-FT			Start Configuration:	DOL		
No-Load Current:	2.89 Amps			Break-Down Torque:	4.62 LB-FT		
Line-line Res. @ 25°C.:	4.0781 Ohms A Ph / 2.4038 Ohms B Ph			Pull-Up Torque:	3.69 LB-FT		
Temp. Rise @ Rated Load:	67 C			Locked-Rotor Torque:	5.49 LB-FT		
Temp. Rise @ S.F. Load:	80 C			Starting Current:	22.6 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	34.0	46.0	56.0	65.0	71.0	76.0	71.0
Efficiency:	41.6	57.1	64.6	68.0	69.0	69.0	69.0
Speed:	1783.2	1772.0	1759.8	1745.9	1730.5	1714.5	1730.0
Line Amperes:	2.95	3.09	3.35	3.69	4.1	4.61	4.1

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





CD0001



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.

CD0001

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