

BALDOR® • RELIANCE

Product Information Packet

VFDL3514M

1.5HP,1725RPM,1PH,60HZ,56C,3532LC,TEFC,F

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Part Detail

Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3532LC	Elec. Spec:	35WGN451	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35L597	Layout:	
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	08-30-2012
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	10-09-2012
Leads:	4#16 A&J,2#18 B PH,1#	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1280L

CAT.NO.	VF DL3514M									
SPEC.	35L597N451G1									
HP	1.5									
VOLTS	115/208-230									
AMP	12.4/6.8-6.2									
RPM	1725									
FRAME	56C	HZ			60	PH	1			
SER.F.	1.00	CODE			J	DES	L	CL	B	
NEMA-NOM-EFF	80	PF			96					
RATING	40C AMB-CONT									
CC		USABLE AT 208V								
DE	6205	ODE			6203					
ENCL	TEFC	SN								

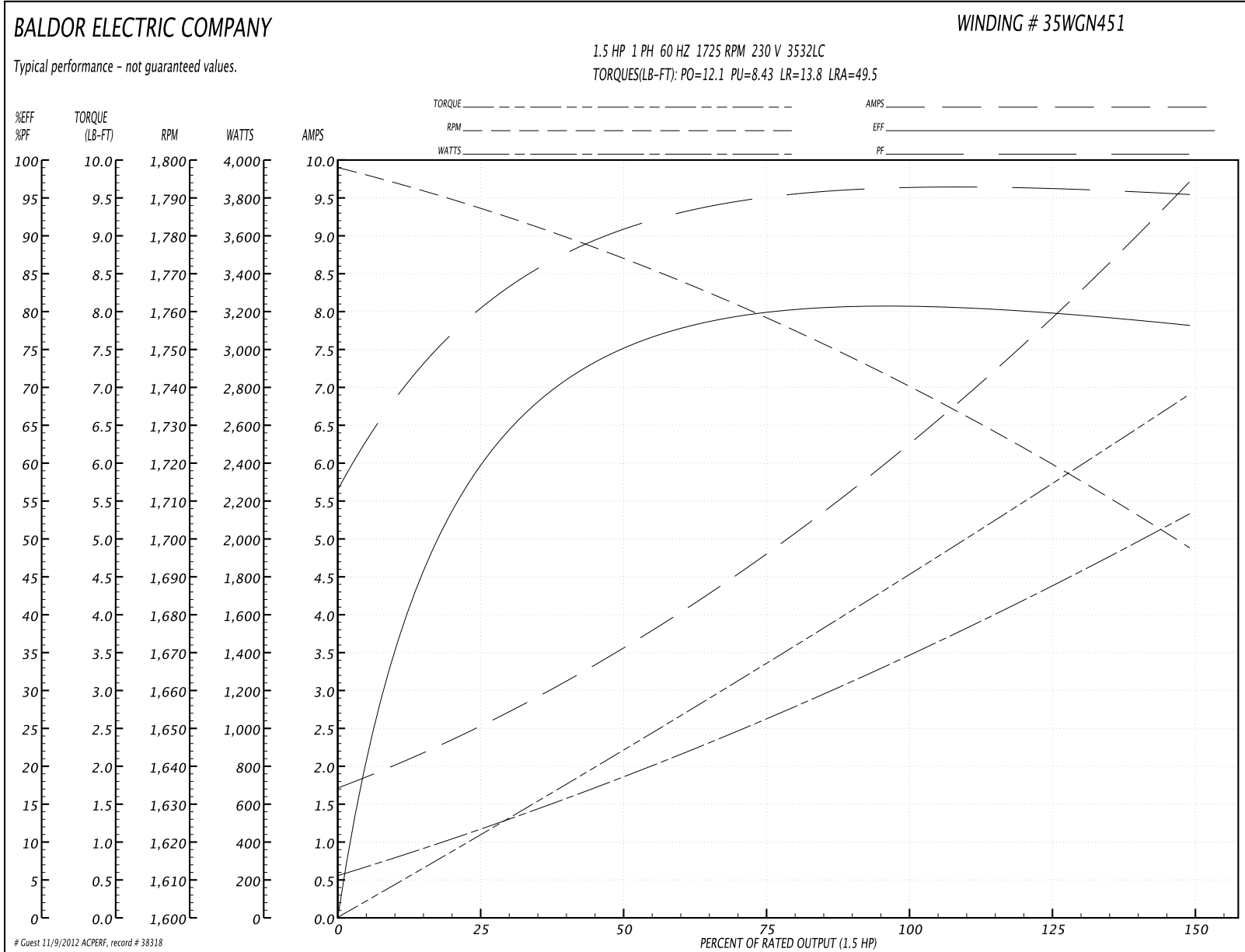
Parts List		
Part Number	Description	Quantity
SA250405	SA 35L597N451G1	1.000 EA
RA237260	RA 35L597N451G1	1.000 EA
OC3060C09	CYL OIL CAP 60MFD/240V	1.000 EA
TPCRD3707	THERMAL 1PH 1.00 MAN SPL LOW TEMP WELD	1.000 EA
EC1540A04	ELEC CAP, 540-648 MFD, 125V, 1.81D X 4.	1.000 EA
WD3006A01	RSS-2-103JT 2W 10K RES. METAL OXIDE 5%	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007A58	35 CB .88 DIA @ 6, 1.00 MTO W/BOOT @ 3 (	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
NS2500A02	INSULATOR, MAN THER PROT	1.000 EA
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 EA
HA6015A11	EARED 1" THERMAL RETAINER (PLATED)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 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
35EP3100M02	FREP TEFC 203 BRG W/O GRSR (RAISED FH MT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB3801SP	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

Parts List (continued)		
Part Number	Description	Quantity
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	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
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
HW2501D13SP	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
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025Z20	ACTIVATOR WILKOFAS T 060.32	0.010 GA
MG1025C02	PAINT, 787.105 LITE TAN EPOXY (USE W/MG1	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
SP5181A01	MODEL 35 LC TORQ STAT SWITCH LEAD ASSY	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,LAMP THRU HTR H	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

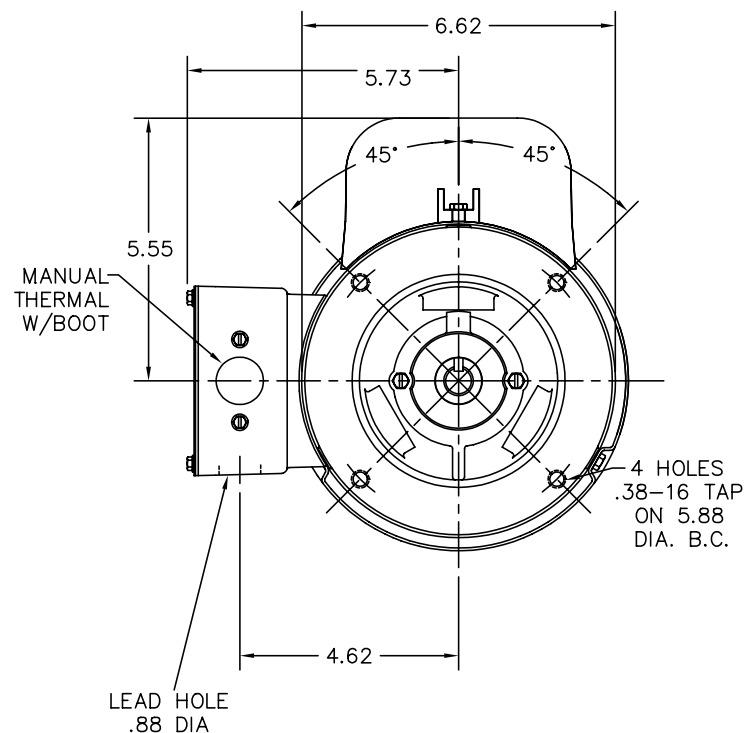
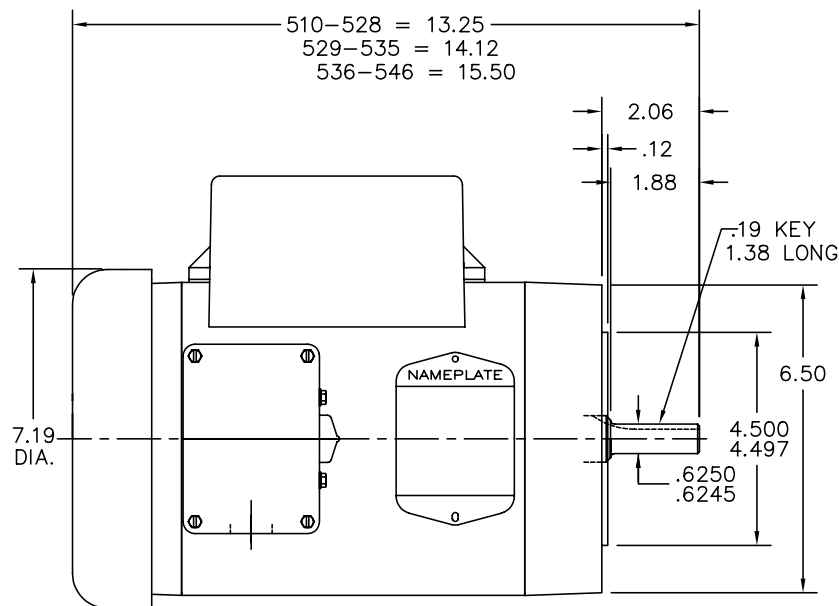
Performance Data at 230V, 60Hz, 1.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		4.48 LB-FT		Start Configuration:		DOL	
No-Load Current:		1.76 Amps		Break-Down Torque:		12.1 LB-FT	
Line-line Res. @ 25°C.:		1.69 Ohms A Ph / 1.5344 Ohms B Ph		Pull-Up Torque:		8.43 LB-FT	
Temp. Rise @ Rated Load:		69 C		Locked-Rotor Torque:		13.8 LB-FT	
Temp. Rise @ S.F. Load:				Starting Current:		49.5 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	83.0	91.0	95.0	96.0	96.0	96.0	0.0
Efficiency:	58.3	74.3	79.3	81.2	80.3	77.8	0.0
Speed:	1786.8	1773.6	1758.8	1742.3	1721.1	1696.6	0.0
Line Amperes:	2.41	3.53	4.78	6.21	7.86	9.72	0.0

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



35LYL597



FARM DUTY MOTOR

CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL		AMB							
H.P.		MTG		TYPE		R.P.M.		VOLTS		ENCL		PHASE		FREQ		FRAME	
REV. DESC: CHG'D CONDUIT BOX AND LID (SEE EC09)										BALDOR ELECTRIC Co.							
REV. LTR: B		BY: JED		REVISED: 04/21/99 8:12		TDR: 0171813											
76971595				FILE: AAA00014227		MDL: —		VERT 56C TEFC 35LC, 1" MTO IN KO BOX (FARM DUTY)									
				MTL: —													

35LYL597

CD0320

