

BALDOR® • RELIANCE

Product Information Packet

VBL3597-D

.75HP,1725RPM,1PH,60HZ,56C,3520L,TEFC,F3

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520L	Elec. Spec:	35WGX935	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X147	Layout:	35LYX147
Frame:	56C	Mounting:	F3	Poles:	04	Created Date:	01-28-2008
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	09-10-2013
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1372L									
CAT.NO.	VBL3597-D								
SPEC.	35X147X935G1								
HP	.75								
VOLTS	115/208-230								
AMP	11/6-5.5								
RPM	1725								
FRAME	56C	HZ			60	PH	1		
SER.F.	1.15	CODE			N	DES	N	CL	F
NEMA-NOM-EFF	68	PF			64				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			6				
DE	6205	ODE			6203				
ENCL	TEFC	SN							
	IP44								

Parts List		
Part Number	Description	Quantity
SA174485	SA 35X147X935G1	1.000 EA
RA162616	RA 35X147X935G1	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
35CB4007	KOBX, AUTOPHORETIC (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3120A01	SPL FREP TEFC 203 BRG	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
WD4101A13	STEEL CAPLUG,BP-1 1/8, PLUG D3561S	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
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
35FH3004A01	FAN COVER ASSY, BRAKE MTG	1.000 EA
51XN1032A32	10-32 X 2 HX WS SL SR	4.000 EA
HW1001A10	WASHER, #10 SPLT LK, ZN X	4.000 EA
35FN3003A01	EXFN, PLASTIC, 5.88 OD, .626 ID	1.000 EA
10XN3816K64	3/8-16X4 HX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
BR2006B01	DBSC SPLINED HUB 5/8 BOR	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 EA
35CB4519	CB LID RAW & UNPRIMED, REL# 79097-50-B	1.000 EA
35GS3019	GASKET, FOR KOBX LID 35CB4519	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
LB1419	CONNECTION LABEL	1.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.017 GA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
35GS3001A02	GASKET, CA COVER, 5.38 LONG .06 CS301	1.000 EA
SP5051A24	MODEL 35 TORQ STATIONARY SWITCH FOR "L"	1.000 EA
HA3100A11	THRUBOLT 10-32 X 6.750	4.000 EA
46BK0104A01	DBSC-VP-3-MA-115/230 VAC	1.000 EA
LB1119N	WARNING LABEL	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
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 36883 - Typical performance - not guaranteed values

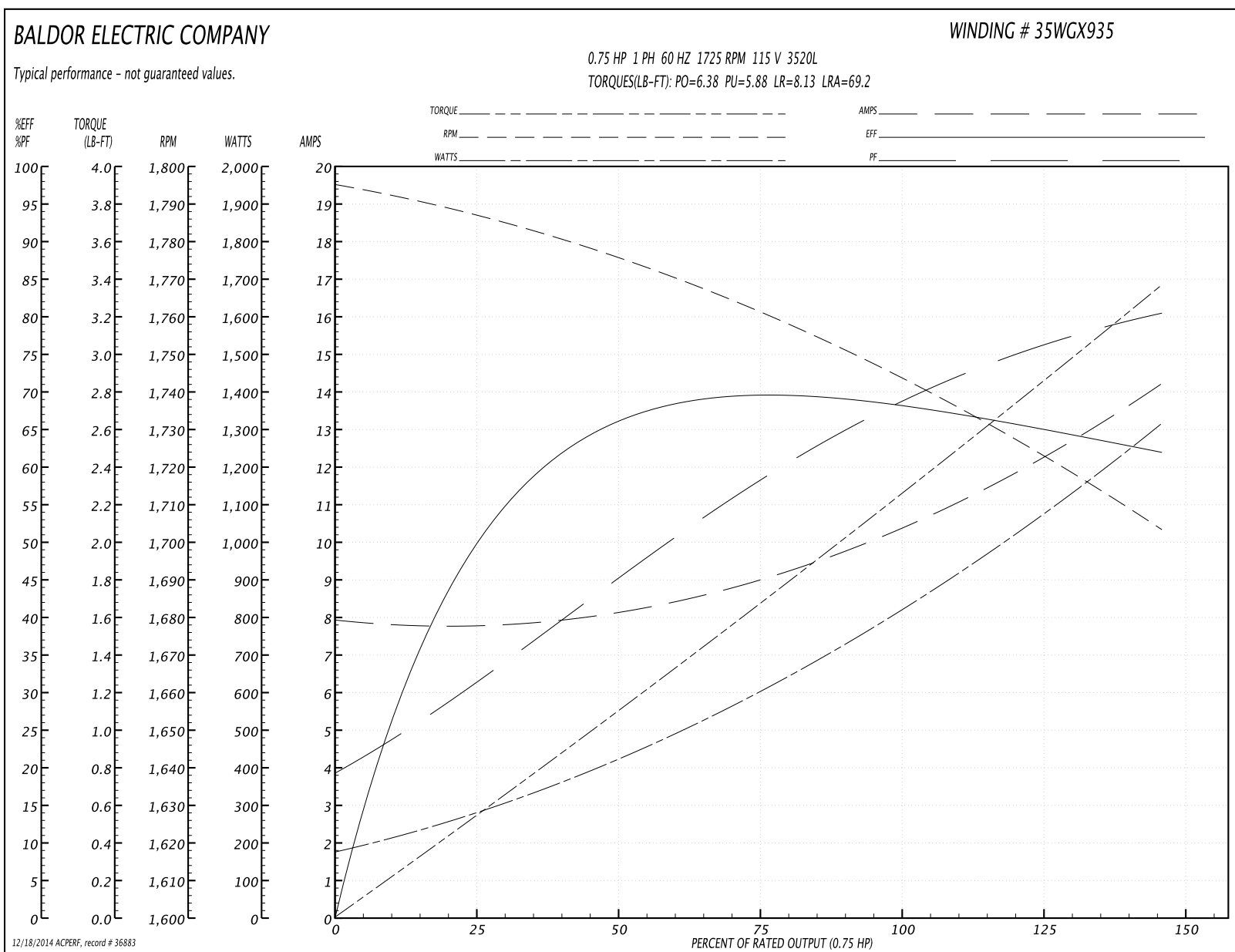
Winding: 35WGX935-R011	Type: 3520L	Enclosure: TEFC
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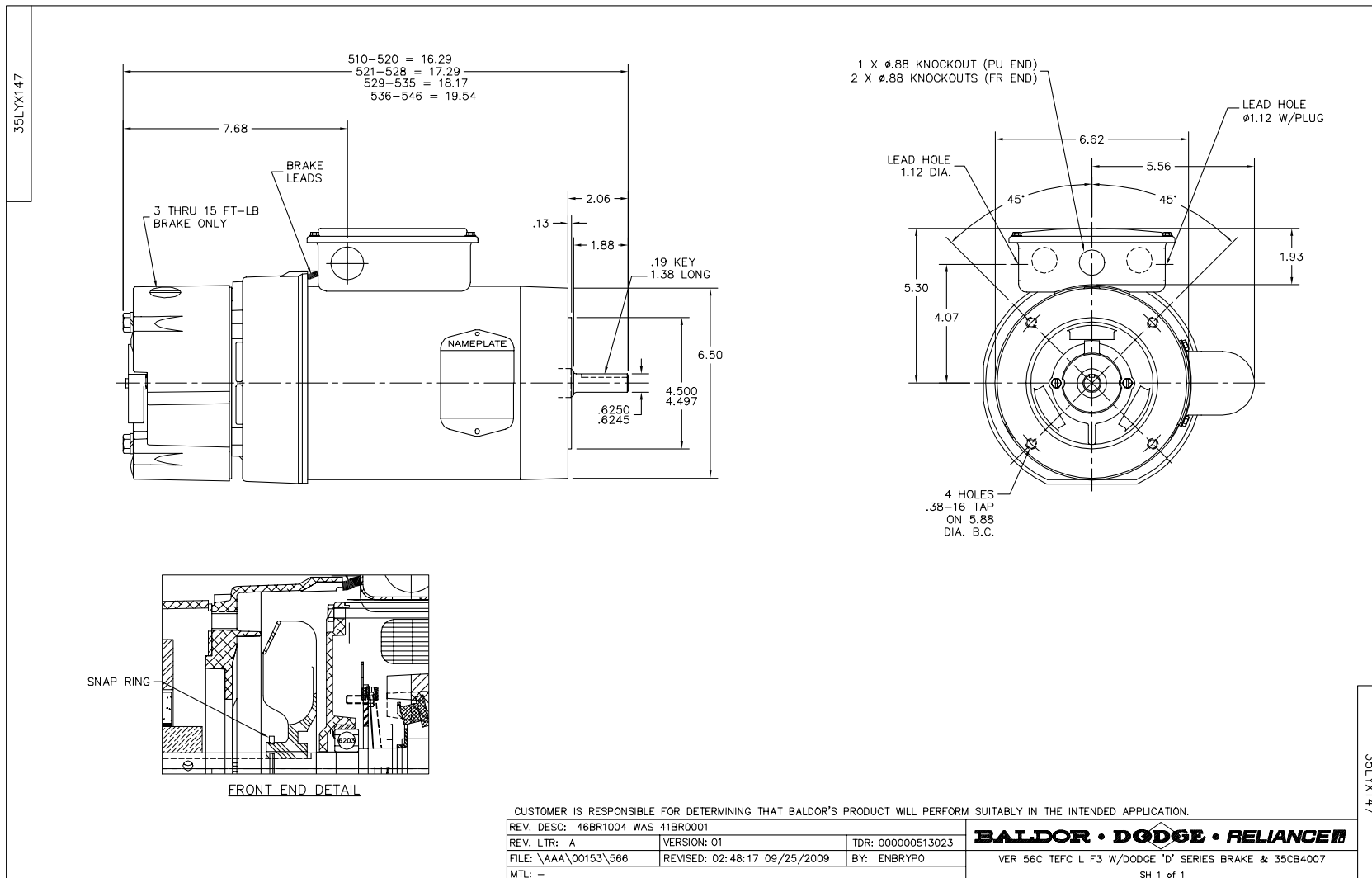
Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.25 LB-FT
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	11/6-5.5			Breakdown Torque	6.38 LB-FT
R.P.M.	1725			Pull-up Torque	5.88 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	8.13 LB-FT
NEMA Design Code	N	KVA Code	N	Starting Current	69.2 A
Service Factor (S.F.)	1.15			No-load Current	7.8 A
NEMA Nom. Eff.	68	Power Factor	64	Line-line Res. @ 25°C	0.727 Ω A Ph 1.38 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C
S.F. Amps				Temp. Rise @ S.F. Load	77°C

Load Characteristics 115 V, 60 Hz, 0.75 HP

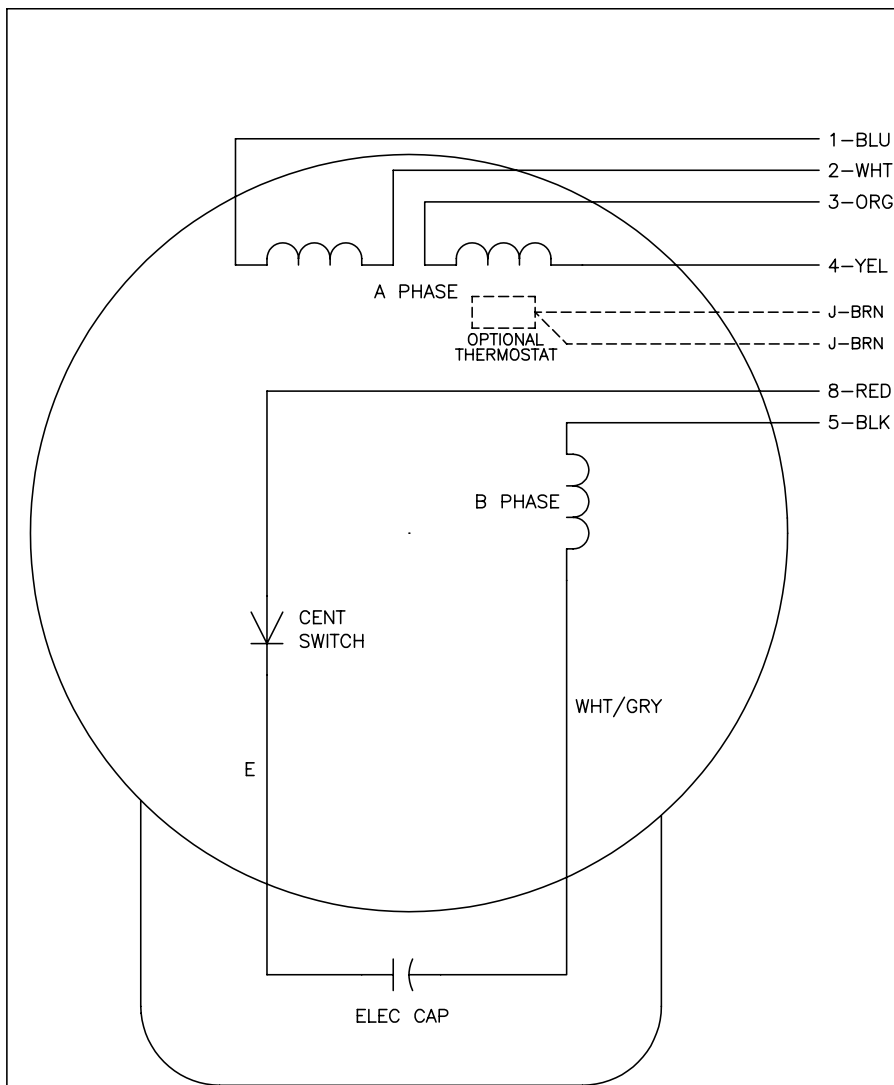
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	47	59	68	74	81	72
Efficiency	47.4	62.3	68.2	69.7	69.6	59.8	69.6
Speed	1784	1773	1760	1746	1730	1699	1736
Line amperes	7.8	8.4	9.2	10.2	11.6	14.6	11

Performance Graph at 115V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD00001



	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.