

BALDOR® • RELIANCE

Product Information Packet

VRBM3546T

1HP,1725RPM,3PH,60HZ,143TC,3436M,TENV,F1

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Part Detail									
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3436M	Elec. Spec:	34WGY158	CD Diagram:			
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	34K991	Layout:			
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	12-17-2007		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	05-29-2012		
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1893									
CAT.NO.	VRBM3546T								
SPEC.	34K991Y158								
HP	1								
VOLTS	230/460								
AMPS	3.2/1.6								
RPM	1725								
FRAME	143TC	HZ			60	PH	3		
SER.F.	1.15	CODE			M	DES	B	CL	F
FL EFF	80	PF			77				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6205	ODE			6203				
ENCL	TENV	SER.							
	BRAKE 230V								

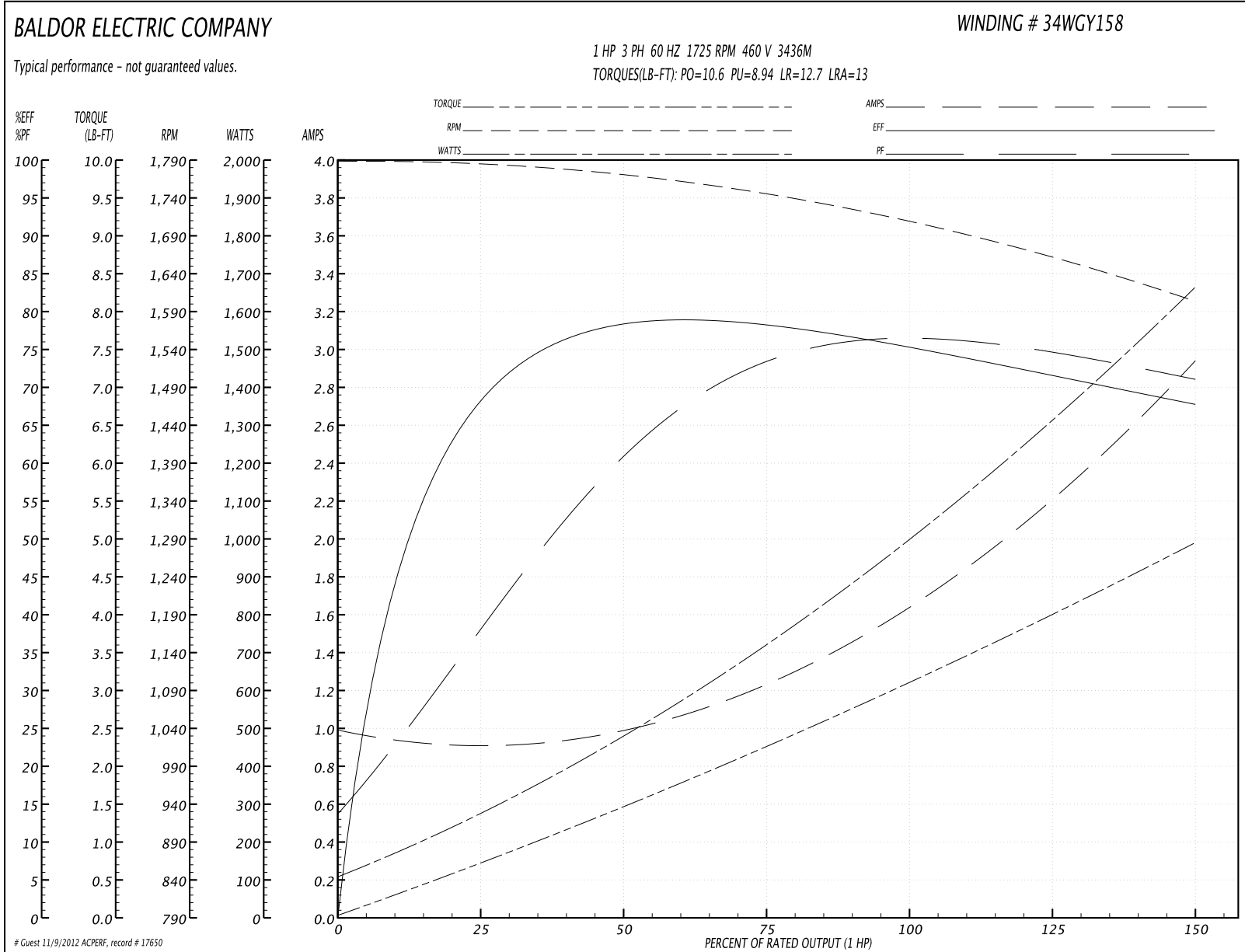
Parts List		
Part Number	Description	Quantity
SA165970	SA 34K991Y158	1.000 EA
RA154357	RA 34K991Y158	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3900T59	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3903T09	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
84XN2520J44	1/4-20 X 2 3/4 SOC HD CAP SCREW	4.000 EA
HW2501D01	KEY, 3/16 SQ X 0.438	1.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.014 GA
34SF2110T01	VER EXTRUDED STATOR 34F TENV, MACH FOR K	1.000 EA
HA3100A64	THRUBOLT 10-32 X 9.875	4.000 EA
33BK0043	STEARNS 3-21-85AF0-OB-WG, .625 BORE, 72L	1.000 EA
LB9000B01	WM-B1 WINYL WIRE MARKER	0.027 SH
LB9000B02	WM-B2 VINYL WIRE MARKER	0.027 SH

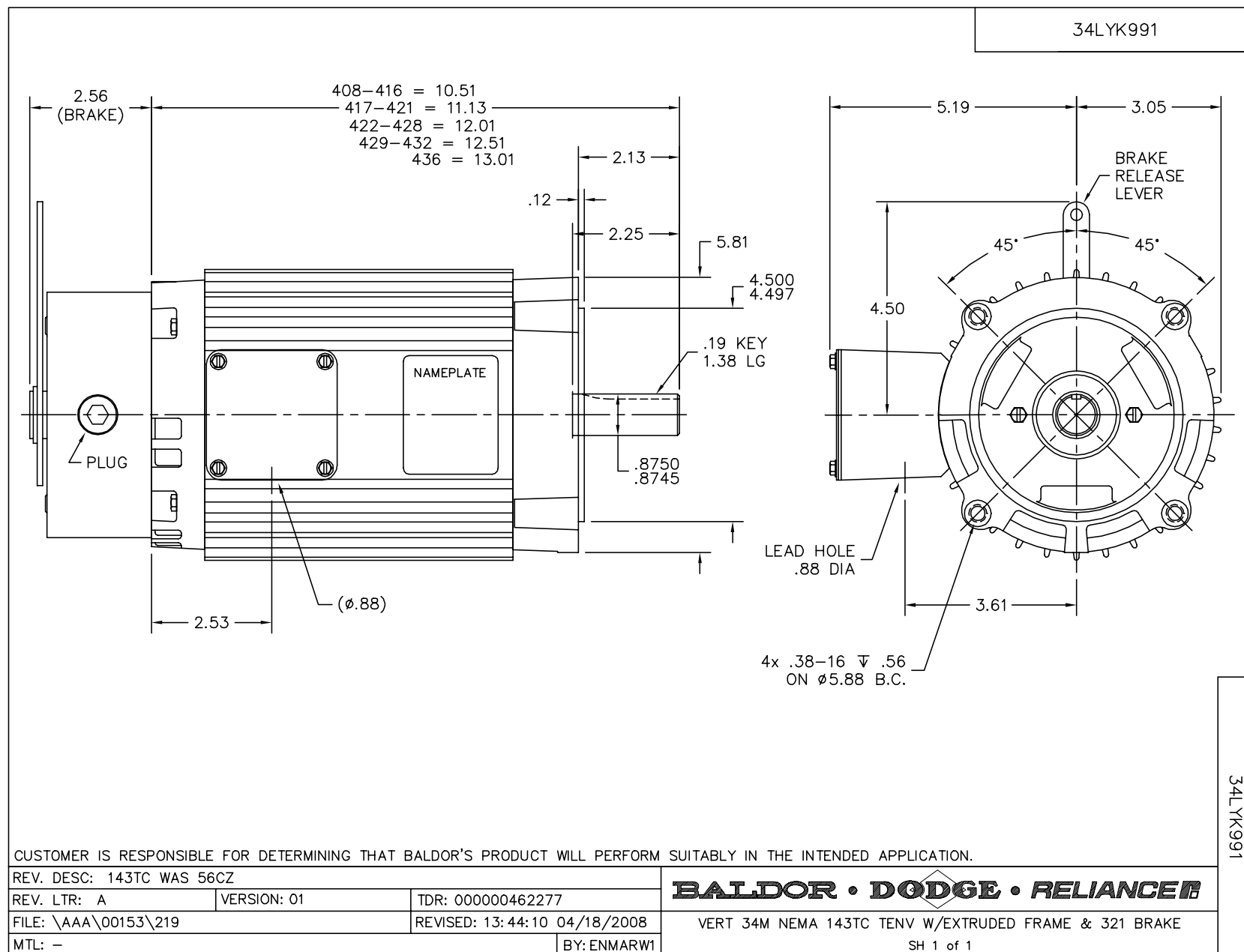
Parts List (continued)		
Part Number	Description	Quantity
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LC0005F02	3PH,DV,REV,9 LEAD MTR W/STEARNS 320 BRK	1.000 EA
NP1893	NP W/O THRM, UL, CSA, CC, SELF-ADHESIVE	1.000 EA
27PA1001	PACKAGING GROUP	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)

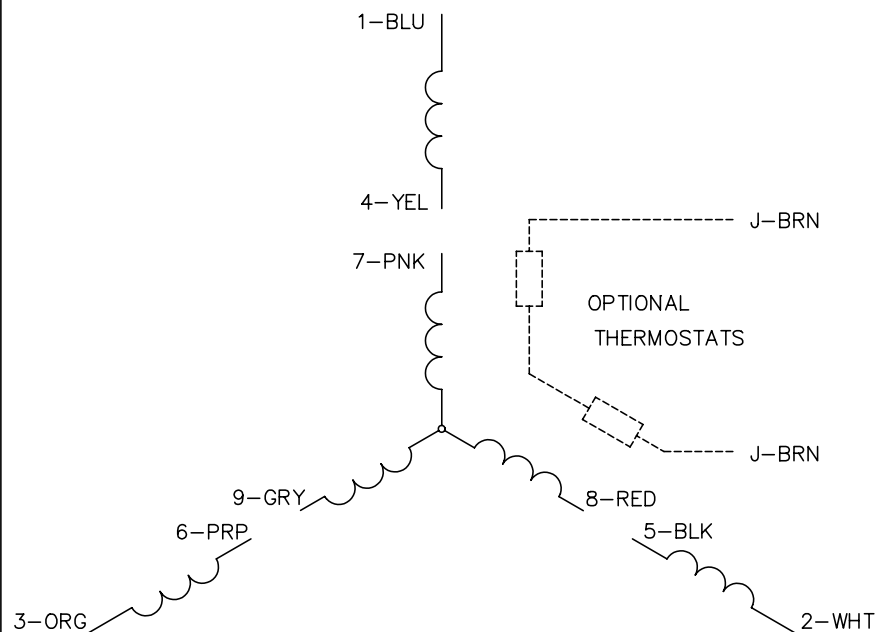
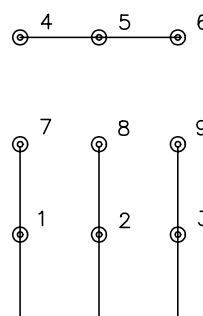
General Characteristics							
Full Load Torque:		3.08 LB-FT		Start Configuration:		DOL	
No-Load Current:		0.896 Amps		Break-Down Torque:		10.6 LB-FT	
Line-line Res. @ 25°C.:		14.0 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		8.94 LB-FT	
Temp. Rise @ Rated Load:		52 C		Locked-Rotor Torque:		12.7 LB-FT	
Temp. Rise @ S.F. Load:		63 C		Starting Current:		13.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	40.0	58.0	70.0	77.0	83.0	69.0	81.0
Efficiency:	72.4	79.8	81.2	80.5	78.9	67.5	79.5
Speed:	1777.0	1759.0	1739.0	1716.0	1691.0	1585.0	1701.0
Line Amperes:	0.957	1.11	1.32	1.58	1.88	3.14	1.76

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values

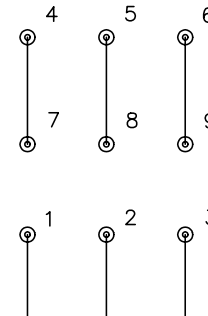




CD0005


 LOW VOLTAGE
(2Y)


LINE

 HIGH VOLTAGE
(1Y)


LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

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