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Product Information Packet

VL3503

.5HP,3450RPM,1PH,60HZ,56C,3413L,TEFC,F1

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Part Detail							
Revision:	P	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3413L	**Elec. Spec:**	34WGX716	**CD Diagram:**	CD0001
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	34H578	**Layout:**	34LYH578
Frame:	56C	**Mounting:**	F1	**Poles:**	02	**Created Date:**	
Base:	N	**Rotation:**	R	**Insulation:**	B	**Eff. Date:**	07-21-2015
Leads:	6#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1256L

CAT.NO.	VL3503								
SPEC.	34H578X716								
HP	.5								
VOLTS	115/230								
AMP	7/3.5								
RPM	3450								
FRAME	56C		**HZ**	60			**PH**	1	
SER.F.	1.25	**CODE**	L	**DES**	N		**CLASS**	B	
NEMA-NOM-EFF	66	**PF**	72						
RATING	40C AMB-CONT								
CC						**USABLE AT 208V**	4.1		
DE	6203			**ODE**	6203				
ENCL	TEFC	**SN**							
	SFA 8/4								

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Parts List

Part Number	Description	Quantity
SA045156	SA 34H578X716	1.000 EA
RA040553	RA 34H578X716	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
34EP3102A01SP	FR ENDPLATE, MACH	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
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA

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Parts List (continued)

Part Number	Description	Quantity
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
EC1400A03	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
33CB4800A01	CAPACITOR COVER, STAMPED	1.000 EA
35GS3001A01	GASKET, CAPACITOR COVER	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

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AC Induction Motor Performance Data

Record # 7566 - Typical performance - not guaranteed values

Winding: 34WGX716-R001	**Type:** 3413L	**Enclosure:** TEFC

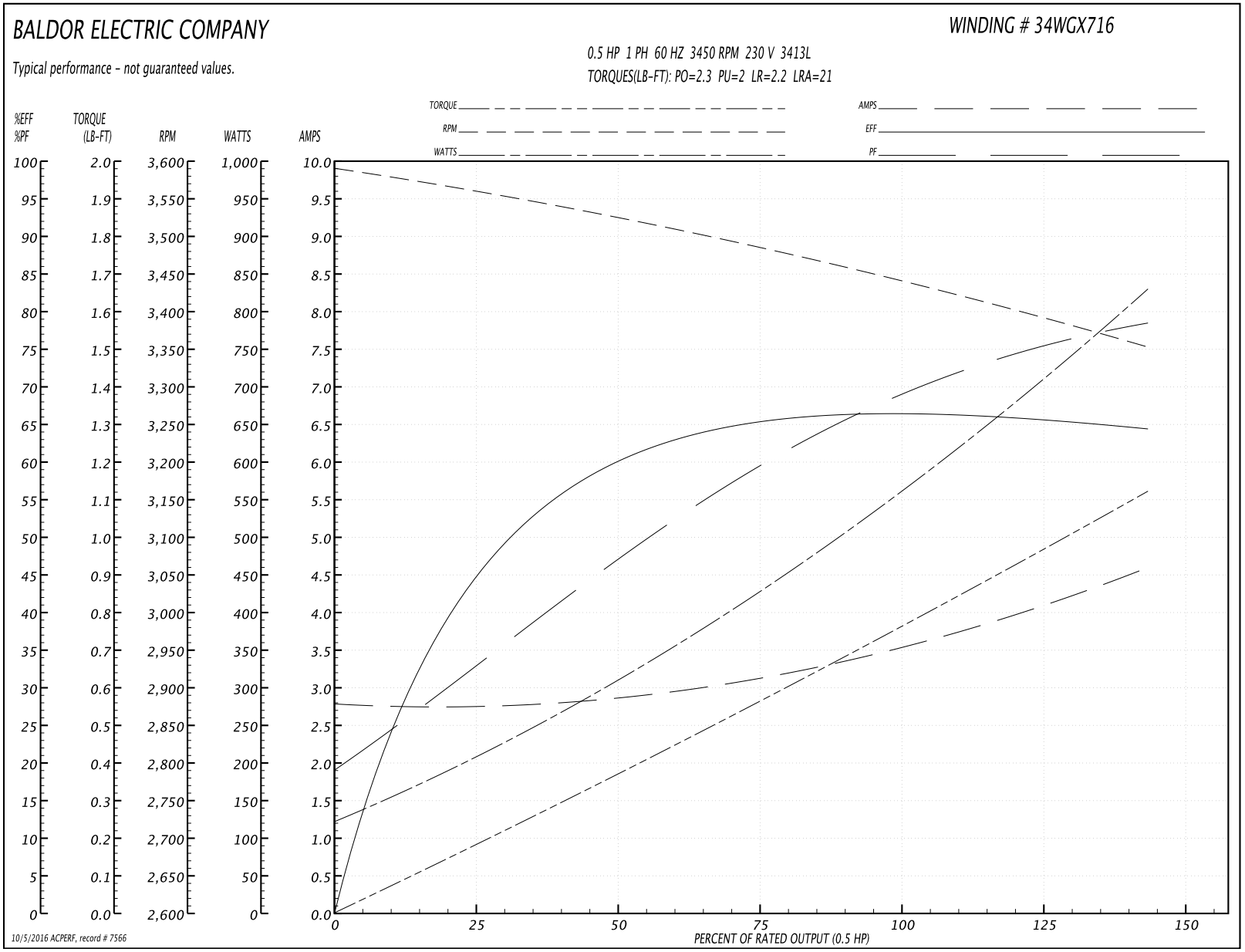
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	0.75 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	7/3.5			Breakdown Torque	2.3 LB-FT
R.P.M.	3450			Pull-up Torque	2 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2.2 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	21 A
Service Factor (S.F.)	1.25			No-load Current	2.76 A
NEMA Nom. Eff.	66	Power Factor	72	Line-line Res. @ 25ºC	4.163 Ω A Ph 4.624 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps	8/4			Temp. Rise @ S.F. Load	84°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	48	60	69	76	78	76
Efficiency	50.7	58.5	64.8	66.2	65.8	64.6	65.8
Speed	3548	3520	3489	3449	3405	3346	3405
Line amperes	2.78	2.88	3.13	3.5	3.95	4.64	3.95

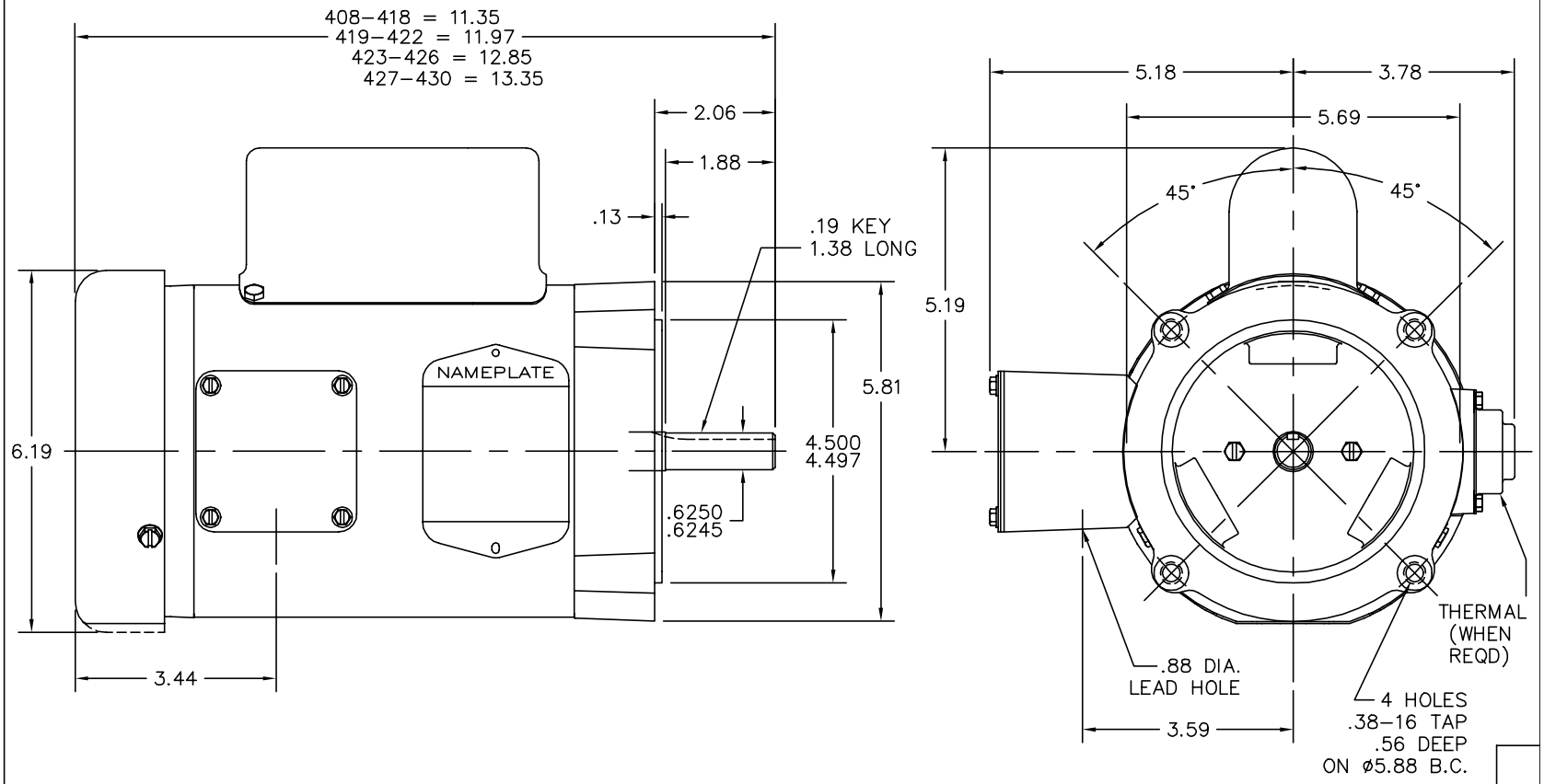
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Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values



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34LYH578



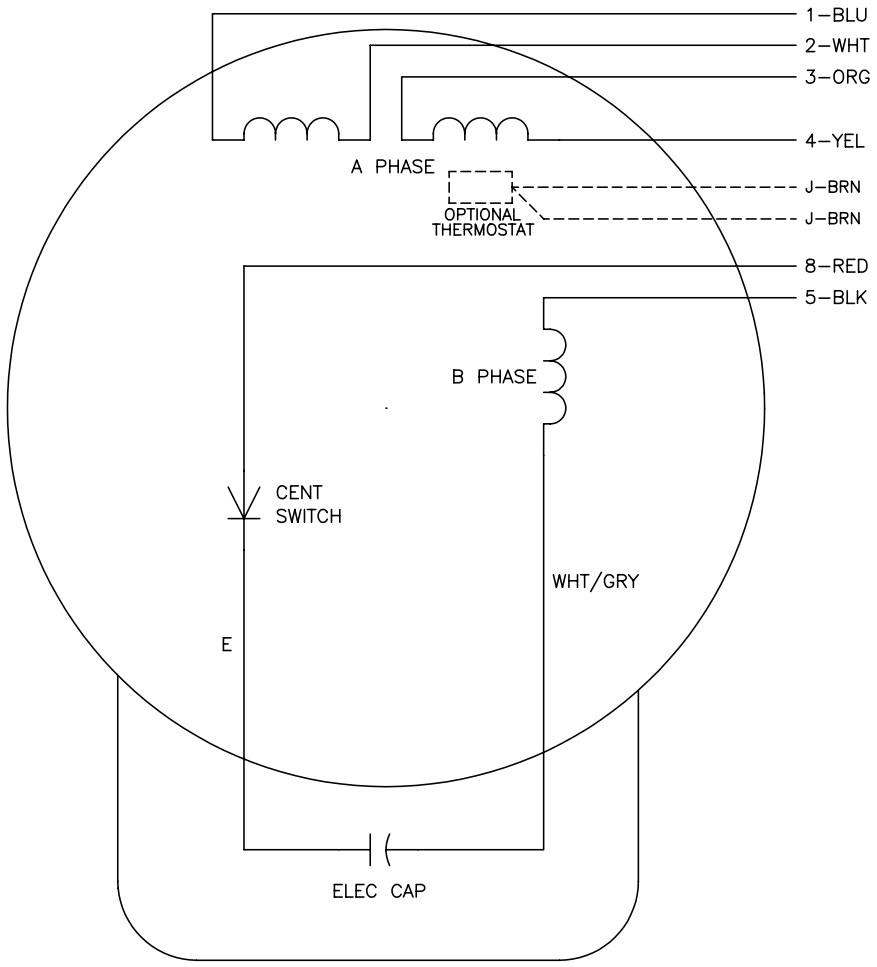
34LYH578

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE DESCRIPTION			BALDOR
REV. LTR: B	VERSION: 02	TDR: 000000725714	
FILE: \AAA\00062\210		REVISED: 01:14:27 12/15/2011	VERT 34L NEMA 56C TEFC W/33 CAPAC BOX AND 3 PH ER
MTL: –		BY: ENVINWO	SH 1 of 1

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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
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

CD0001

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