

BALDOR

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Product Information Packet

VBM3546

1HP,1725RPM,3PH,60HZ,56C,BRAKE,3426M

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3426M	Elec. Spec:	34WGX269	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34L088	Layout:	
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	07-20-2010
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1256L									
CAT.NO.	VBM3546								
SPEC.	34L088X269-C								
HP	1								
VOLTS	208-230/460								
AMP	3.7-3.4/1.7								
RPM	1725								
FRAME	56C	HZ	60	PH	3				
SER.F.	1.15	CODE	M	DES	B	CLASS	B		
NEMA-NOM-EFF	78.5	PF	71						
RATING	40C AMB-CONT								
CC				USABLE AT 208V	3.7				
DE	6203	ODE	6203						
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA051746	SA 34L088X269-C	1.000 EA
RA046583	RA 34L088X269-C	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
34EP3900T09	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	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
HW2500A13	KEY, USA #605, WOODRUFF	1.000 EA
18XN2520A08	1/4-20X1/2 FLAT HD SLTD X	2.000 EA
34FN3002A03	EXTERNAL FAN, PLASTIC, .500 HUB I.D. W/5	1.000 EA
34FH4002A05	IEC FH W/DEEPER DIMPLES FOR BRAKE COVER	1.000 EA
51XB1016A06	10-16X3/8 HXWSSLD SERTYB	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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
LB1185	LABEL,BRAKE CONNECTION (ON ROLLS)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
WD4006C05	WIRENUT, G-B #13-003 ORGSIZE 73B,105C B	3.000 EA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
48BK7101BP-D	DRILL BRAKE COVER	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
NP1256L	ALUM, UL CSA CC, W/O THERMAL, LASER	1.000 EA
35PA1007	PACKAGING GROUP	1.000 EA

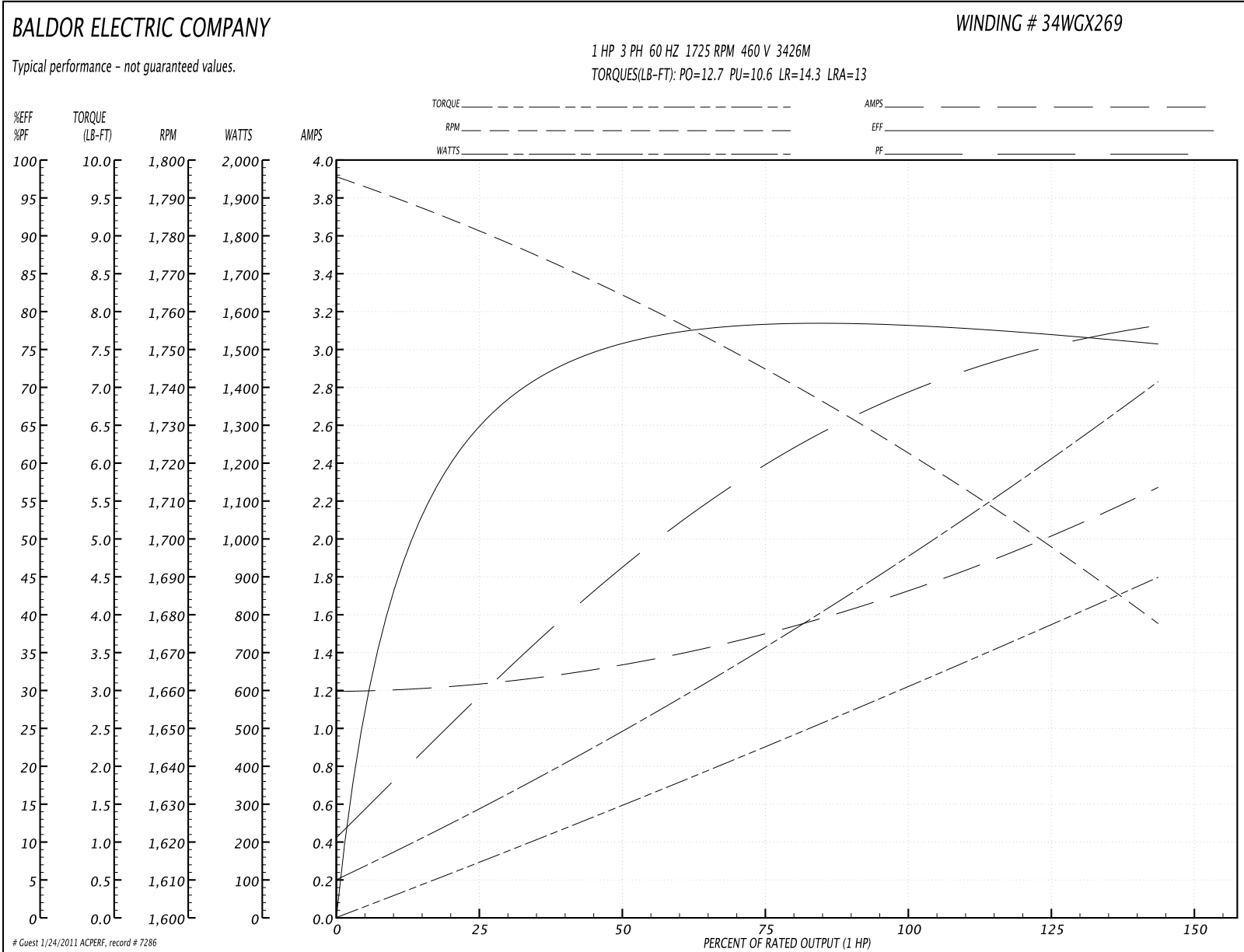
Performance Data at 460V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)
General Characteristics

Full Load Torque:	3.0 LB-FT	Start Configuration:	DOL
No-Load Current:	1.2 Amps	Break-Down Torque:	12.7 LB-FT
Line-line Res. @ 25°C.:	13.2 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	10.6 LB-FT
Temp. Rise @ Rated Load:	61 C	Locked-Rotor Torque:	14.3 LB-FT
Temp. Rise @ S.F. Load:	70 C	Starting Current:	13.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	30.0	47.0	60.0	68.0	75.0	79.0	72.0
Efficiency:	63.9	75.5	78.3	78.6	77.4	75.5	77.9
Speed:	1781.0	1763.0	1745.0	1725.0	1702.0	1677.0	1711.0
Line Amperes:	1.23	1.33	1.5	1.72	1.97	2.27	1.87

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



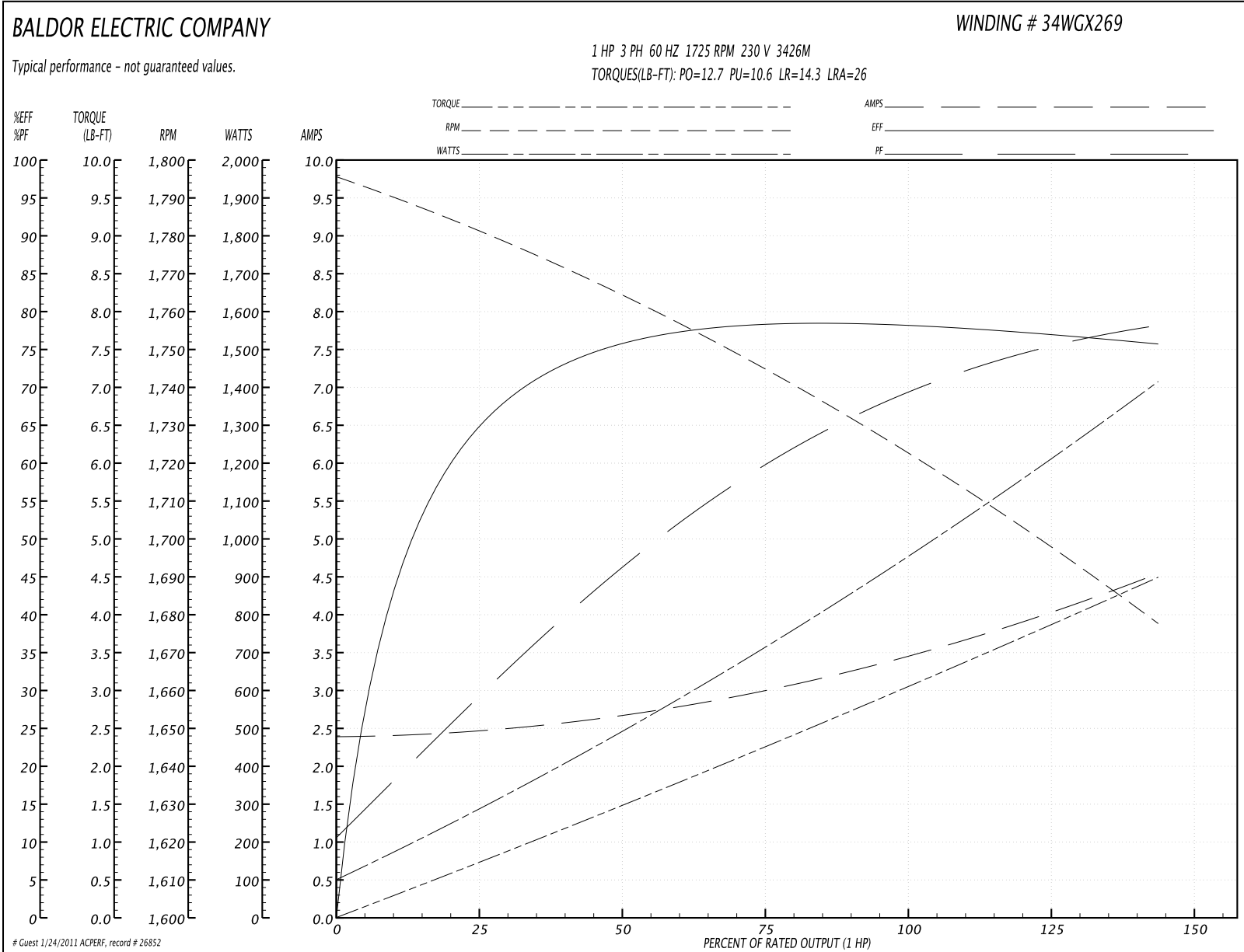
Performance Data at 230V, 60Hz, 1.0HP (Typical performance - Not guaranteed values)
General Characteristics

Full Load Torque:	3.0 LB-FT	Start Configuration:	DOL
No-Load Current:	2.4 Amps	Break-Down Torque:	12.7 LB-FT
Line-line Res. @ 25°C.:	3.3 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	10.6 LB-FT
Temp. Rise @ Rated Load:	61 C	Locked-Rotor Torque:	14.3 LB-FT
Temp. Rise @ S.F. Load:	69 C	Starting Current:	26.0 Amps

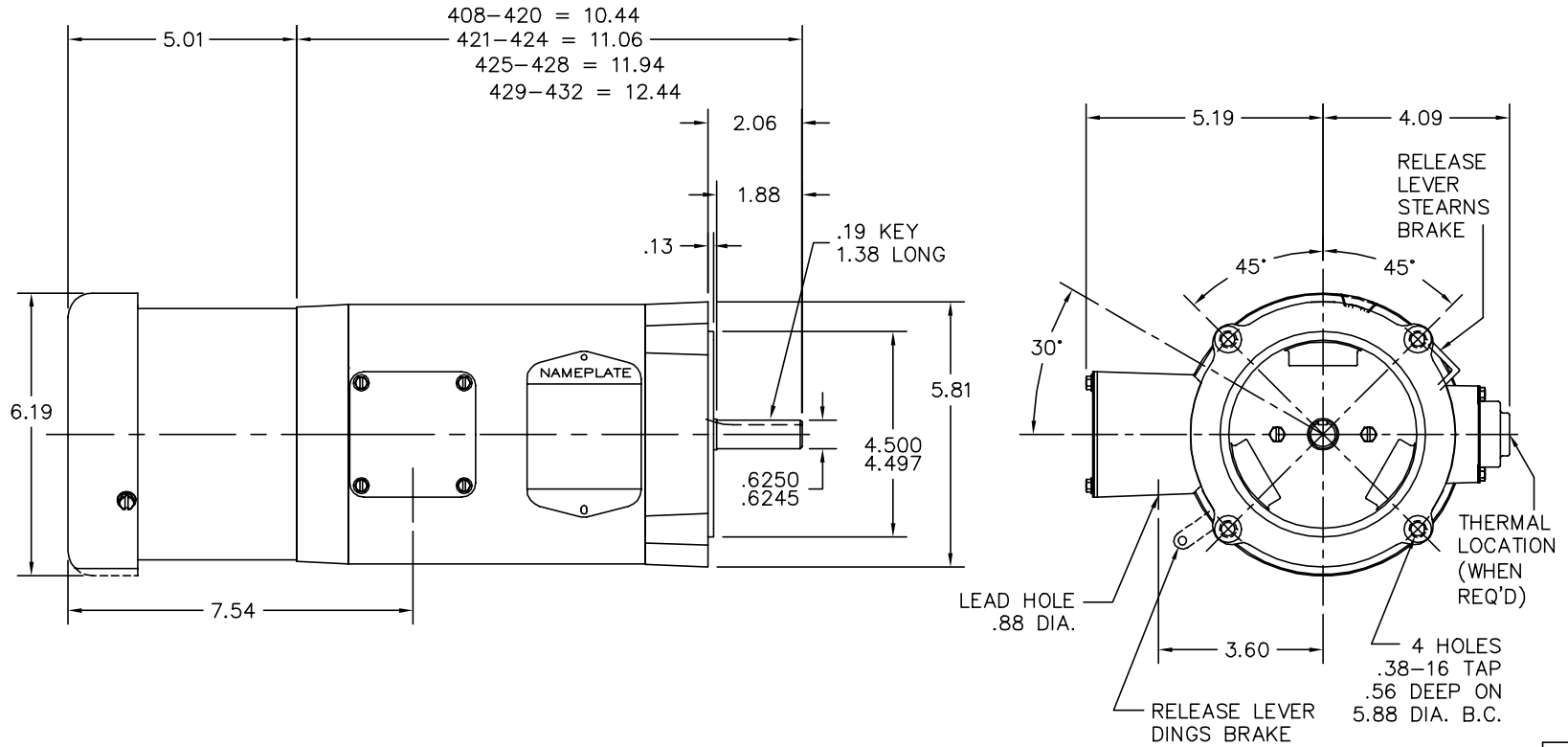
Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	30.0	47.0	60.0	68.0	75.0	79.0	72.0
Efficiency:	63.9	75.4	78.3	78.6	77.4	75.5	77.9
Speed:	1781.0	1763.0	1745.0	1725.0	1702.0	1677.0	1711.0
Line Amperes:	2.46	2.66	3.0	3.44	3.94	4.54	3.74

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values



34LYL088



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

REV. DESC: CHANGED SHAFT FOR EXT. FAN CHANGE		
REV. LTR: G	VERSION: 03	TDR: 000000484781
FILE: \AAA\00055\679		REVISED: 14:25:08 12/11/2008
MTL: -		BY: ENJERWO

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VERT 34M NEMA 56C TEFC W/BRAKE

SH 1 of 1

34LYL088

CD0005

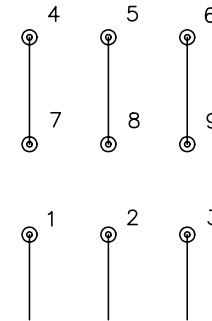


LOW VOLTAGE
(2Y)



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

90000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005