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Product Information Packet

NM3538

.5HP,1725RPM,3PH,60HZ,56,3420M,TENV,F1

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Part Detail							
Revision:	N	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3420M	**Elec. Spec:**	34WG0097	**CD Diagram:**	CD0005
Enclosure:	TENV	**Mfg Plant:**		**Mech. Spec:**	34A076	**Layout:**	34LYA076
Frame:	56	**Mounting:**	F1	**Poles:**	04	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	10-19-2016
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1256L

CAT.NO.	NM3538								
SPEC.	34A76-97G1								
HP	.5								
VOLTS	230/460								
AMP	1.8/.9								
RPM	1725								
FRAME	56			**HZ**	60			**PH**	3
SER.F.	1.25		**CODE**	K		**DES**	B	**CLASS**	F
NEMA-NOM-EFF	75.5		**PF**	69					
RATING	40C AMB-CONT								
CC							**USABLE AT 208V**	2.1	
DE	6203			**ODE**	6203				
ENCL	TENV	**SN**							
	SFA 2/1								

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Parts List

Part Number	Description	Quantity
SA009933	SA 34A76-97G1	1.000 EA
RA006378	RA 34A76-97G1	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
34EP3100A03SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 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
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

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Accessories

Part Number	Description	Multiplier
34-171	C FACE KIT	A8

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AC Induction Motor Performance Data

Record # 6543 - Typical performance - not guaranteed values

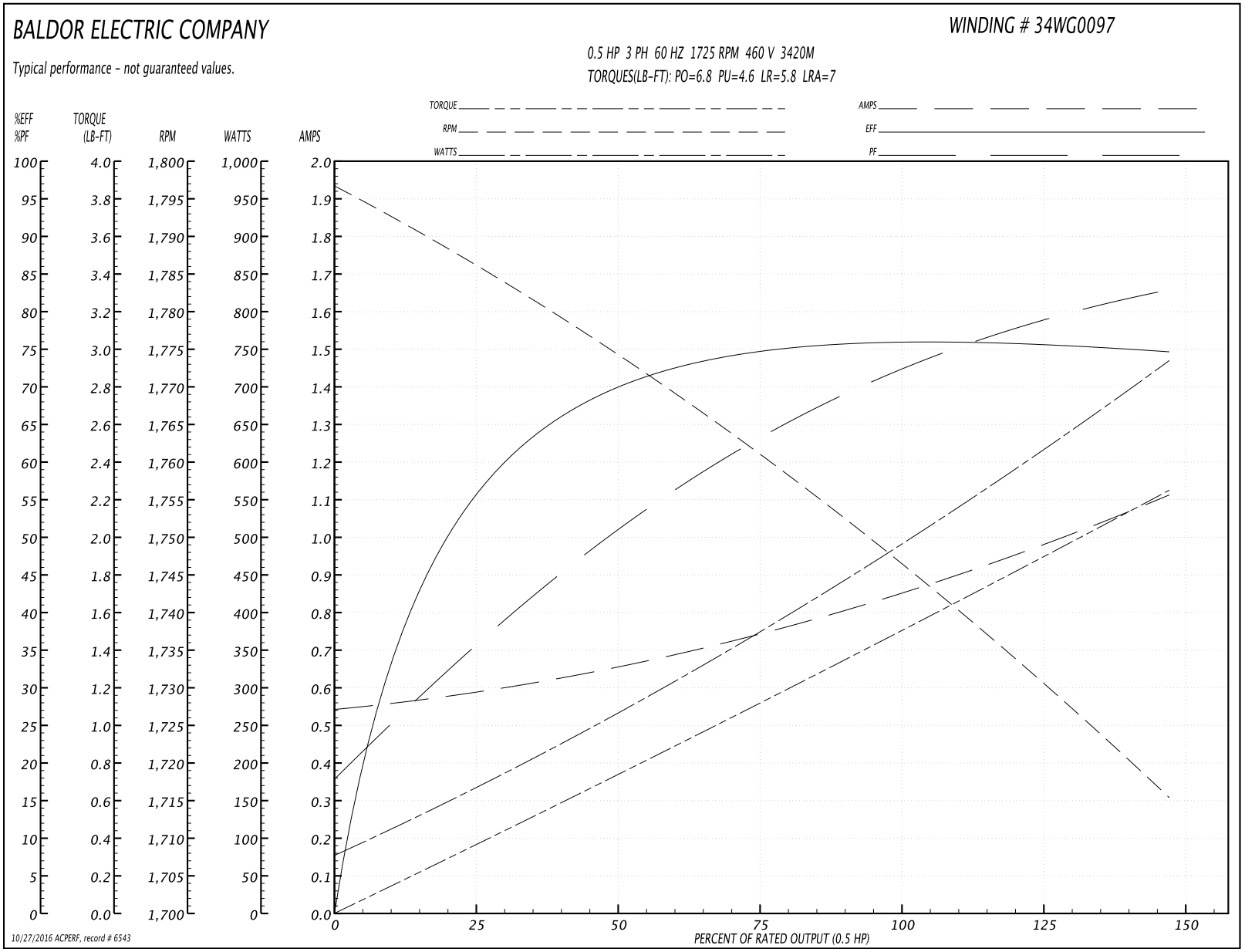
Winding: 34WG0097-R003	**Type:** 3420M	**Enclosure:** TENV

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.8/.9			Breakdown Torque	6.8 LB-FT
R.P.M.	1725			Pull-up Torque	4.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.8 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	7 A
Service Factor (S.F.)	1.25			No-load Current	0.54 A
NEMA Nom. Eff.	75.5	Power Factor	69	Line-line Res. @ 25ºC	27.56 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps	2/1			Temp. Rise @ S.F. Load	80°C

Load Characteristics 460 V, 60 Hz, 0.5 HP

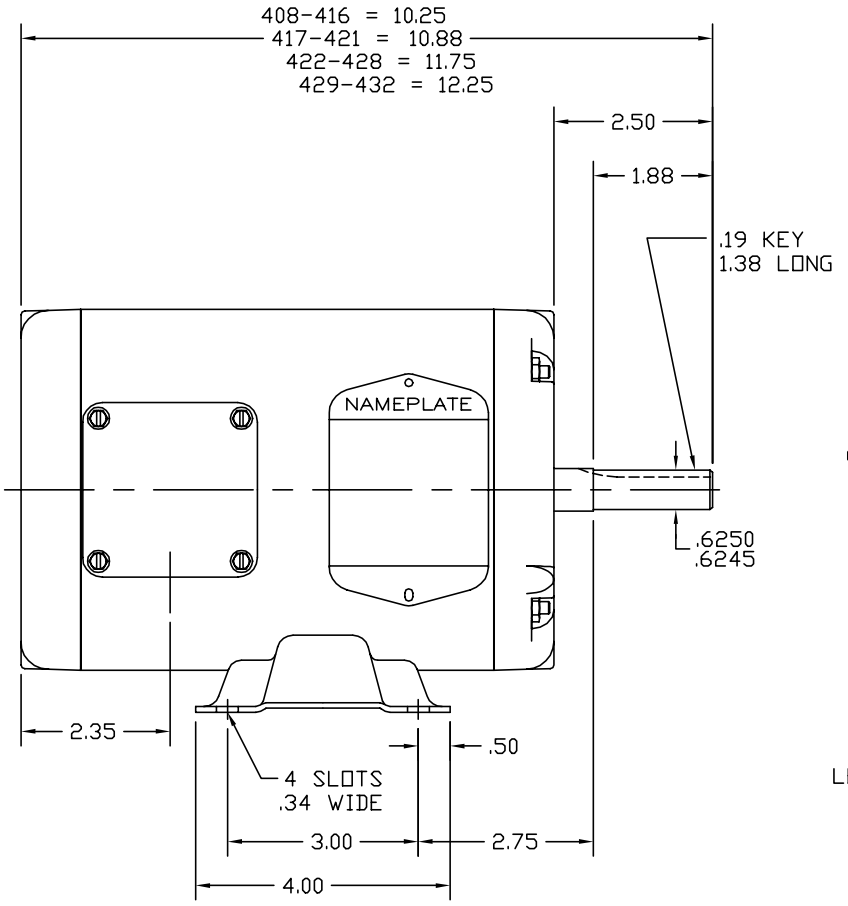
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	53	65	71	75	81	75
Efficiency	55	69	74	78	75.5	74.4	75.5
Speed	1787	1774	1760	1749	1728	1717	1728
Line amperes	0.6	0.65	0.74	0.84	1	1.1	1

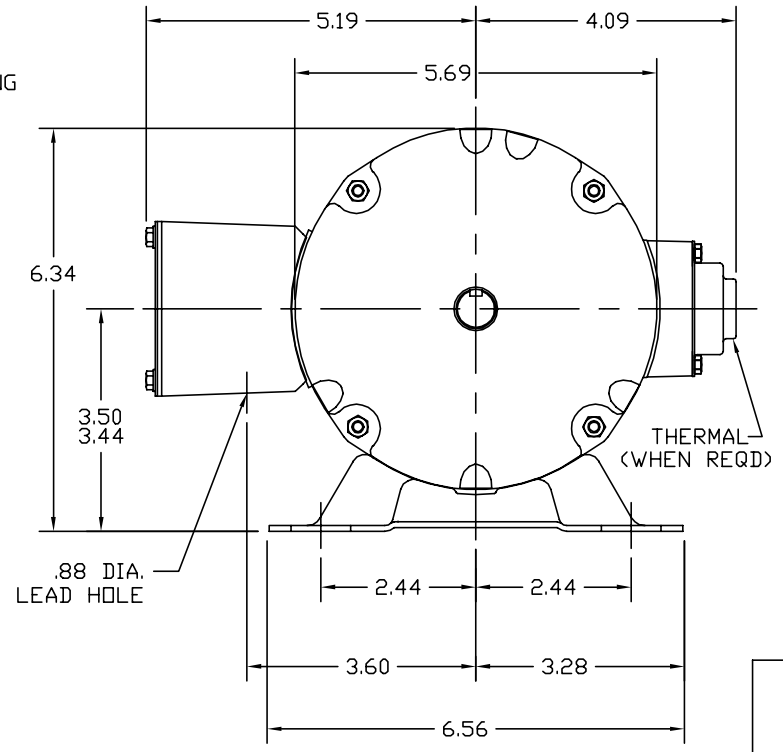
Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values



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34LYA076





34LYA076

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

REV. DESC: ADD TEAO TO TITLE BLOCK		
REV. LTR: D	VERSION: 02	TDR: 000000920965
FILE: \AAA\00026\165	REVISED: 06:51:51 04/17/2015	BY: ENROSTO
MTL: –		

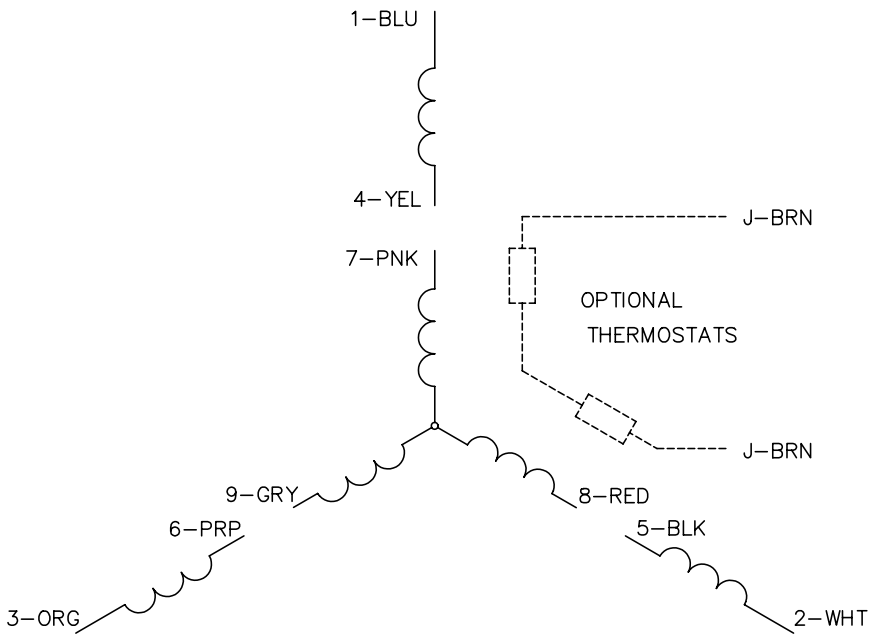
BALDOR

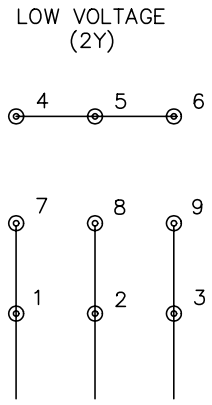
STD HORZ MODEL 34M NEMA 56 TENV/TEAO

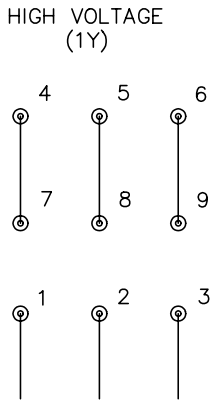
SH 1 of 1

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CD0005







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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

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