

BALDOR® • RELIANCE

Product Information Packet

MM3542

.55KW,1725RPM,3PH,60HZ,D80,3420M,TEFC,B3

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3420M	Elec. Spec:	34WG0883	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34G167	Layout:	34LYG167
Frame:	D80	Mounting:	B3	Poles:	04	Created Date:	06-13-2008
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	03-24-2011
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1379L						
CAT.NO.	MM3542					
SPEC.	34G167-0883G2					
IEC FRAME	D80	K.W.			.55KW	
VOLTS	208-230/460					
AMP	3.2-3/1.5					
RPM	1725	I.P.				
HZ	60	PH		3	CL	B
SER.F.	1.00	DES		B	CODE	K
NEMA-NOM-EFF	75.5	PF		60		
RATING	40C AMB-CONT					
CC		USABLE AT 208V		3.6		
DE	6205	ODE		6203		
SER. #						

Parts List		
Part Number	Description	Quantity
SA172308	SA 34G167-0883G2	1.000 EA
RA160514	RA 34G167-0883G2	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
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3904T01	PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER	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
HW2504E10	KEY, 6 MM X 1.000	1.000 EA
HA7000A11	KEY RETAINER 0.750 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1379L	ALUM IEC UL CSA CC	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
34PA1002	PACKING GROUP, BALDOR	1.000 EA

AC Induction Motor Performance Data

Record # 36346 - Typical performance - not guaranteed values

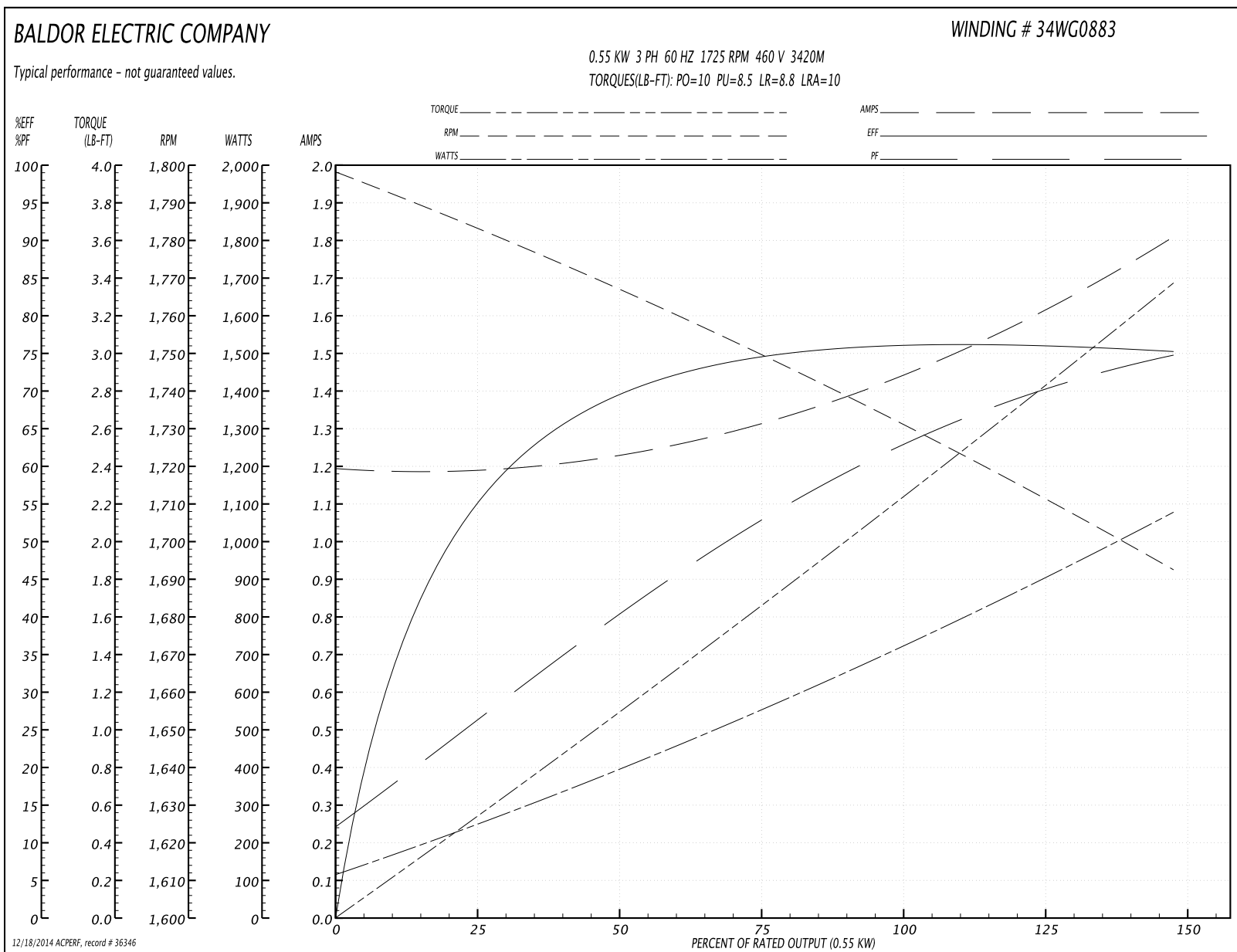
Winding: 34WG0883-R046	Type: 3420M	Enclosure: TEFC
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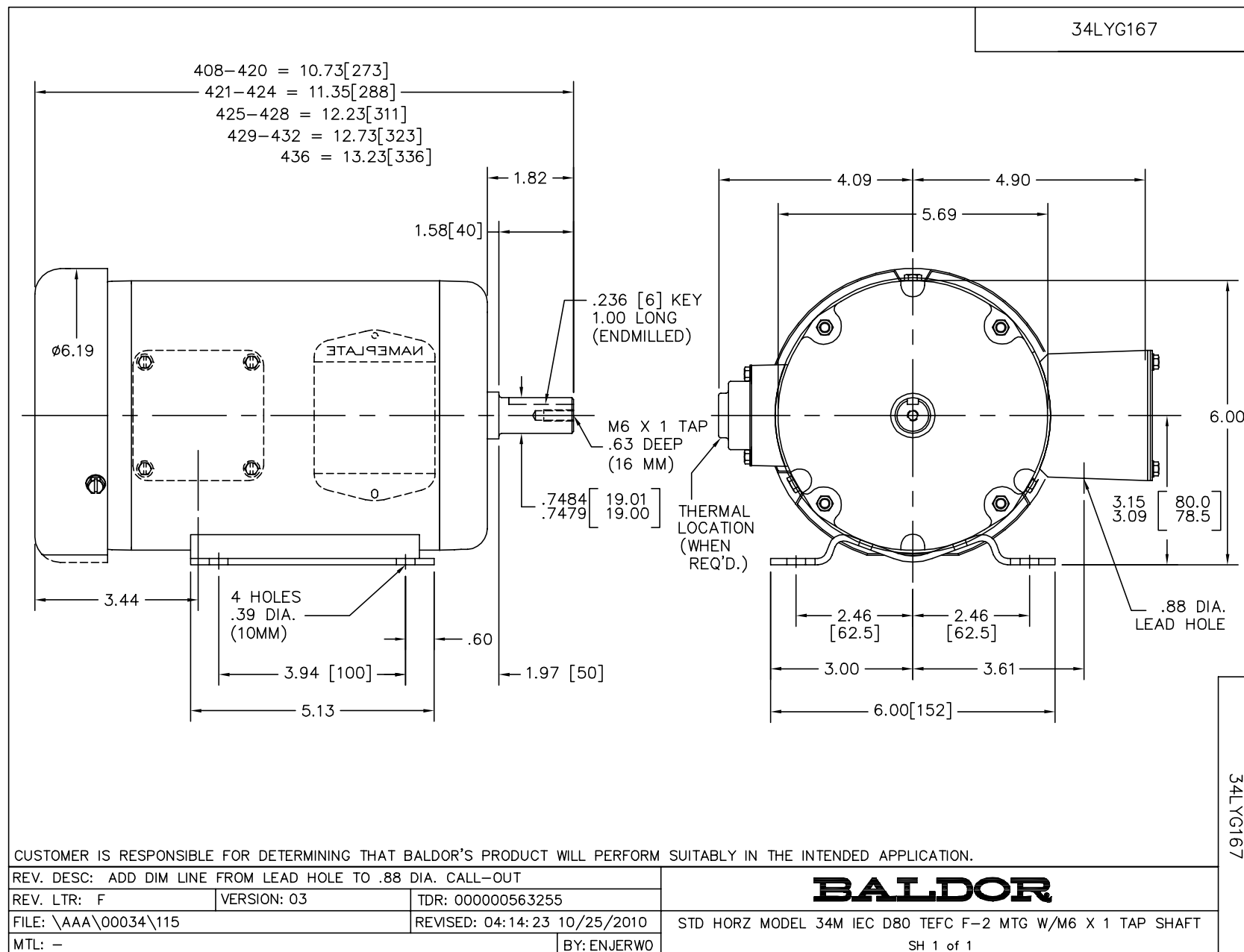
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (KW)	.55			Full Load Torque	2.25 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.2-3/1.5			Breakdown Torque	10 LB-FT
R.P.M.	1725			Pull-up Torque	8.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.8 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	10 A
Service Factor (S.F.)	1			No-load Current	1.2 A
NEMA Nom. Eff.	75.5	Power Factor	60	Line-line Res. @ 25°C	17.68 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	74°C
				Rotor inertia	0.0476 LF ²

Load Characteristics 460 V, 60 Hz, 0.55 KW

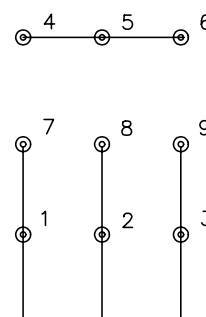
% of Rated Load	25	50	75	100	125	150
Power Factor	28	42	55	64	71	76
Efficiency	56.1	69.7	74.7	76.2	76.1	75.2
Speed	1783	1766	1749	1731	1711	1693
Line amperes	1.2	1.2	1.3	1.5	1.6	1.8

Performance Graph at 460V, 60Hz, 0.55KW Typical performance - Not guaranteed values

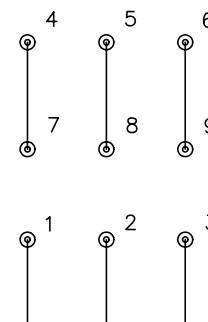




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005