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Product Information Packet

M3458

.33HP,1725RPM,3PH,60HZ,48,3413M,TEFC,F1

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Part Detail							
Revision:	P	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3413M	**Elec. Spec:**	34WG0884	**CD Diagram:**	CD0005
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**	34A051	**Layout:**	34LYA051
Frame:	48	**Mounting:**	F1	**Poles:**	04	**Created Date:**	
Base:	RG	**Rotation:**	R	**Insulation:**	B	**Eff. Date:**	03-10-2016
Leads:	9#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1256L

CAT.NO.	M3458								
SPEC.	34A51-884								
HP	.33								
VOLTS	230/460								
AMP	1.6/.8								
RPM	1725								
FRAME	48			**HZ**	60			**PH**	3
SER.F.	1.35		**CODE**	M		**DES**	B	**CLASS**	B
NEMA-NOM-EFF	68		**PF**	57					
RATING	40C AMB-CONT								
CC							**USABLE AT 208V**	1.9	
DE	6203			**ODE**	6203				
ENCL	TEFC	**SN**							
	SFA 1.8/.9								

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Parts List

Part Number	Description	Quantity
SA009758	SA 34A51-884	1.000 EA
RA006203	RA 34A51-884	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
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
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
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
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 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
34-3900T	C-FACE KIT	A8

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AC Induction Motor Performance Data

Record # 6610 - Typical performance - not guaranteed values

Winding: 34WG0884-R001	**Type:** 3413M	**Enclosure:** TEFC

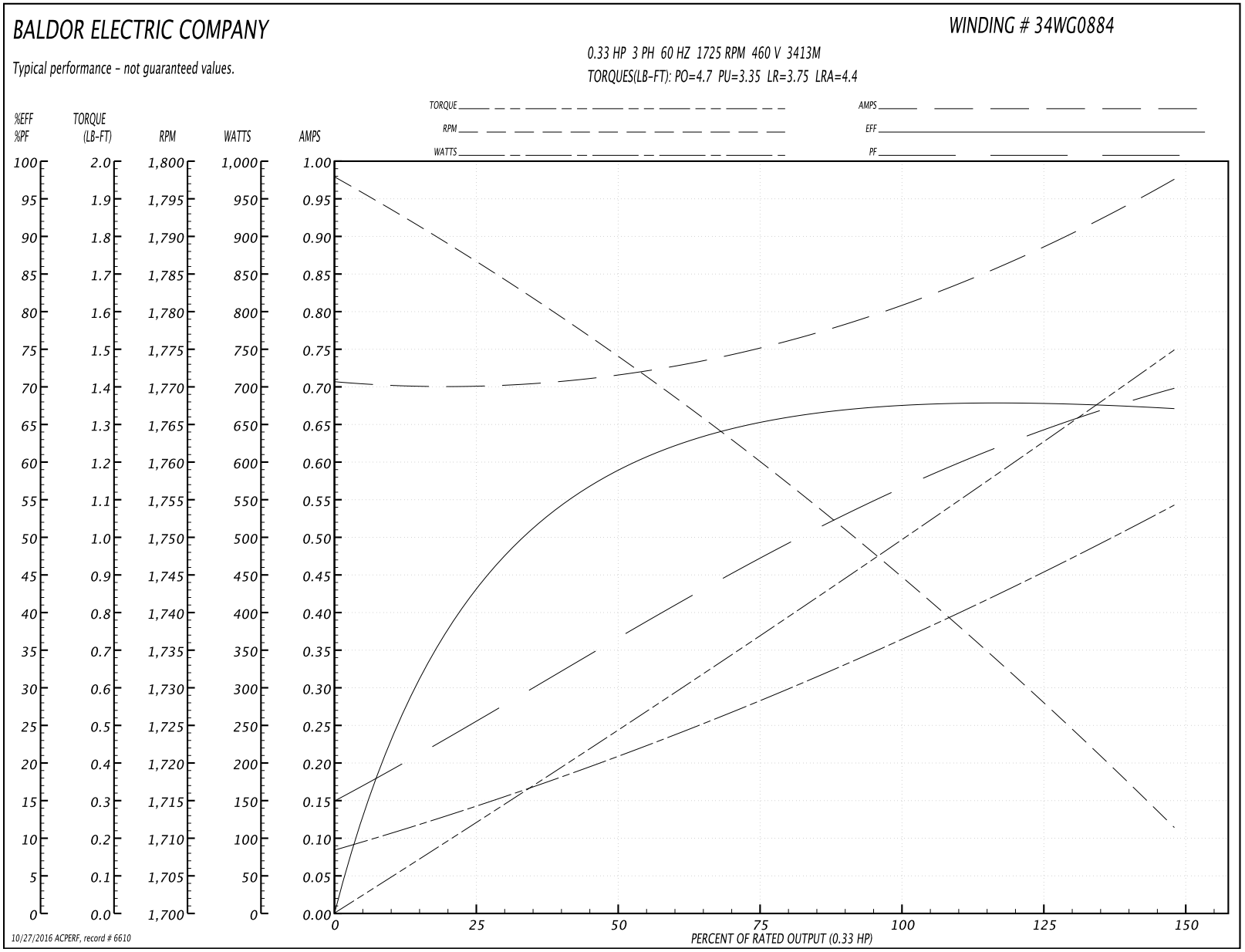
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	1 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.6/.8			Breakdown Torque	4.7 LB-FT
R.P.M.	1725			Pull-up Torque	3.35 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3.75 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	4.4 A
Service Factor (S.F.)	1.35			No-load Current	0.7 A
NEMA Nom. Eff.	68	Power Factor	57	Line-line Res. @ 25ºC	49.1 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps	1.8/.9			Temp. Rise @ S.F. Load	61°C

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	40	50	57	64	69	66
Efficiency	44	59	65	68	68	67	68
Speed	1788	1770	1760	1745	1730	1710	1725
Line amperes	0.7	0.73	0.77	0.8	0.85	1	0.9

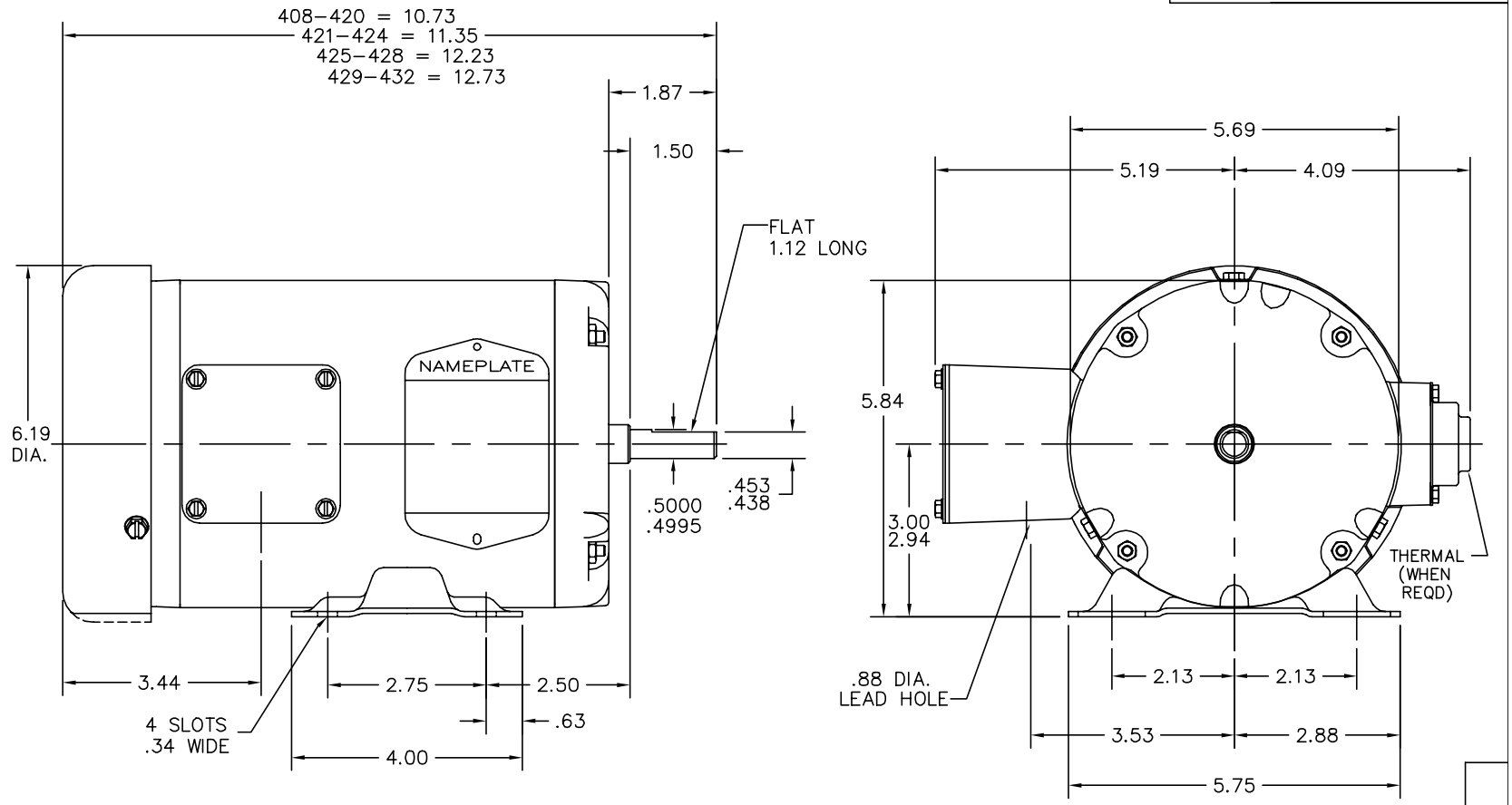
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Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values



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34LYA051



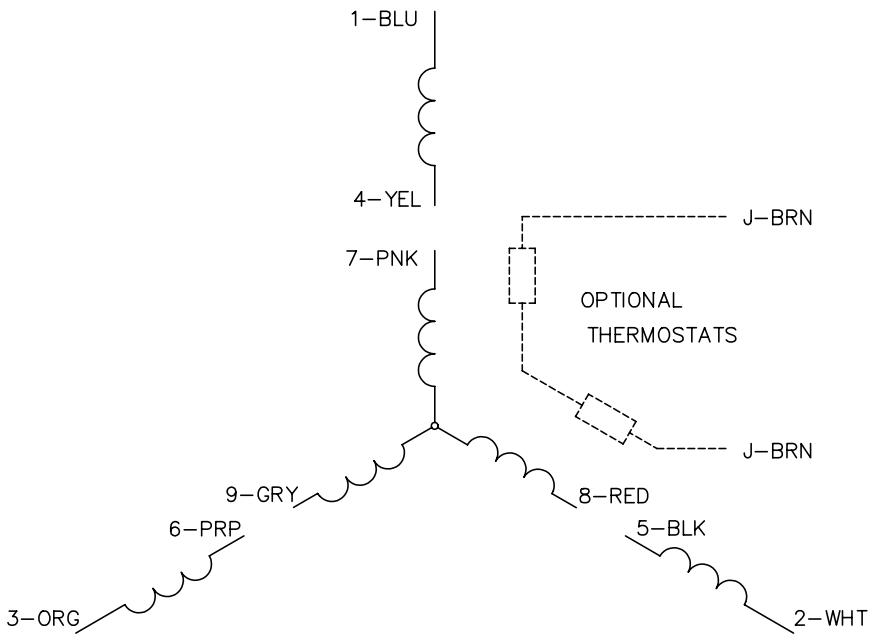
34LYA051

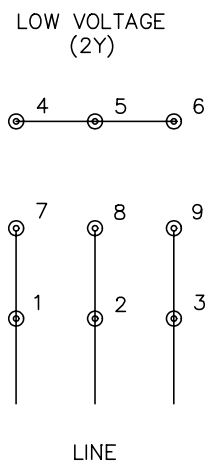
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

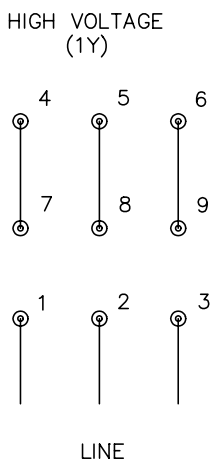
REV. DESC: UPDATE EXFN IN DWG			BALDOR
REV. LTR: K	VERSION: 03	TDR: 000000733464	
FILE: \AAA\00006\622		REVISED: 02:01:55 02/14/2012	STD HORZ 34M NEMA 48 TEFC
MTL: –		BY: ENMICW1	SH 1 of 1

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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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