

BALDOR® • RELIANCE

Product Information Packet

L1203M

.25HP,1725RPM,1PH,60HZ,48,3411L,OPEN,F1

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3411L	Elec. Spec:	34WG5604	CD Diagram:	CD0008
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34F001	Layout:	34LYF001
Frame:	48	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-26-2016
Leads:	7#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	L1203M												
SPEC.	34F01-5604												
HP	.25												
VOLTS	115/230												
AMP	5/2.5												
RPM	1725												
FRAME	48				HZ				60		PH	1	
SER.F.	1.35			CODE		L	DES		N	CL		B	
NEMA-NOM-EFF	55			PF		57							
RATING	40C AMB-CONT												
CC				USABLE AT 208V								3	
DE	6203			ODE		6203							
ENCL	OPEN			SN									
	SFA 5.6/2.8												

Parts List		
Part Number	Description	Quantity
SA007603	SA 34F01-5604	1.000 EA
RA003990	RA 34F01-5604	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
SP1006A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
34EP3210A01SP	FR ENDPLATE, MACH	1.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3212A02	PU ENDPLATE, MODEL 34 OPEN	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
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
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
EC1161A02	BMI 091A161B125AD2A ELEC CAP 115V 1.4 X	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1119N	WARNING LABEL	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

AC Induction Motor Performance Data

Record # 6792 - Typical performance - not guaranteed values

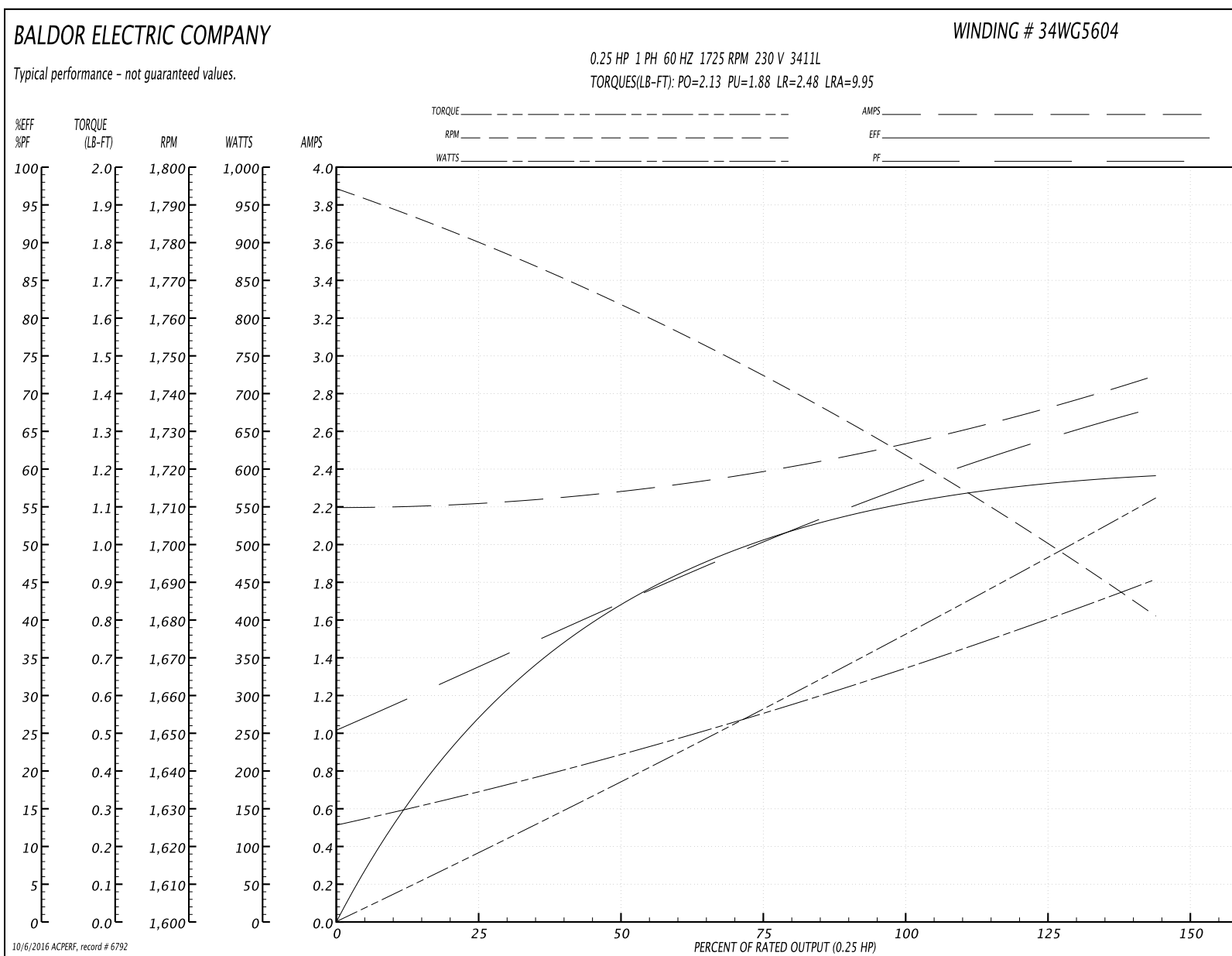
Winding: 34WG5604-R001	Type: 3411L	Enclosure: OPEN
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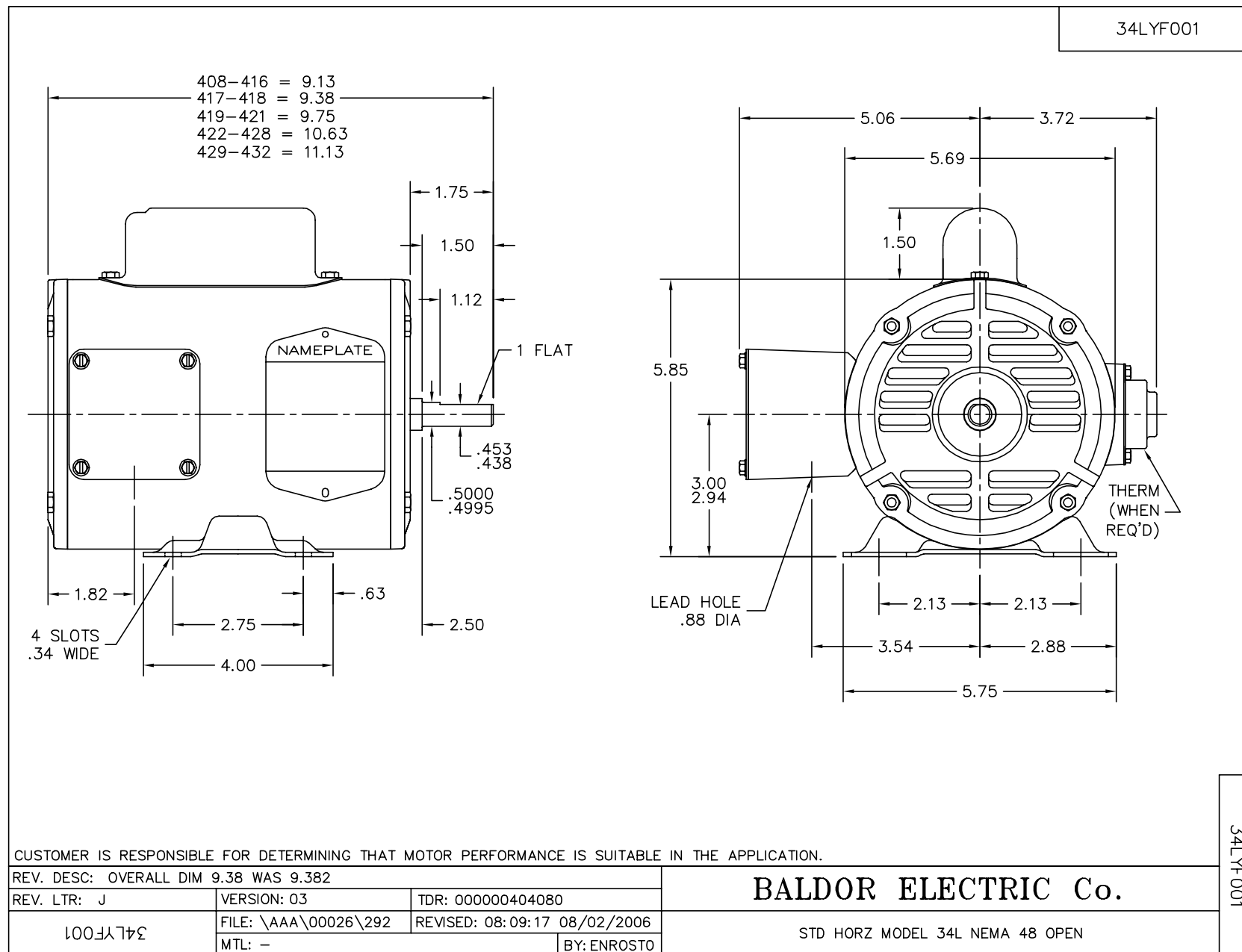
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	0.75 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	5/2.5			Breakdown Torque	2.13 LB-FT
R.P.M.	1725			Pull-up Torque	1.88 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2.48 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	9.95 A
Service Factor (S.F.)	1.35			No-load Current	2.2 A
NEMA Nom. Eff.	55	Power Factor	57	Line-line Res. @ 25°C	8.88 Ω A Ph 7.06 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	42°C
S.F. Amps	5.6/2.8			Temp. Rise @ S.F. Load	50°C

Load Characteristics 230 V, 60 Hz, 0.25 HP

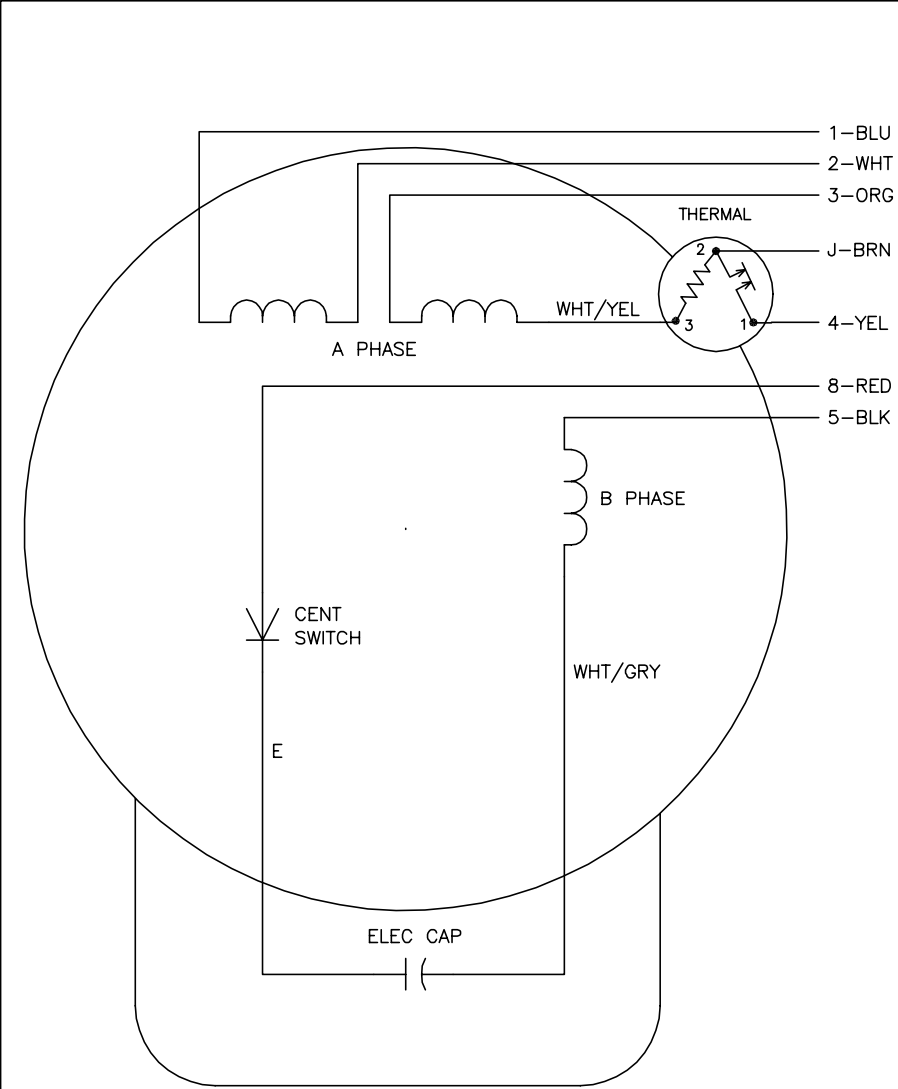
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	40	49	57	63	69	67
Efficiency	27	42	51	55	58	59	59
Speed	1779	1763	1745	1725	1705	1680	1690
Line amperes	2.2	2.3	2.4	2.5	2.7	2.9	2.8

Performance Graph at 230V, 60Hz, 0.25HP Typical performance - Not guaranteed values





CD0008



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	—	2,J,5
LOW OPP	1,3,5	4	—	2,J,8

- NOTES:
- 1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 - 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 - 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0008A02		
REV. LTR: F	VERSION: 01	TDR: 000000360649
800000	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LEADS

CD0008