

# **BALDOR**® • **RELIANCE**

## **Product Information Packet**

### **M3108A**

**.5HP,1725RPM,3PH,60HZ,56,3416M,OPEN,F1**

Part Detail							
Revision:	N	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3416M	Elec. Spec:	34WG2328	CD Diagram:	CD0007
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34-1238	Layout:	34LY1238
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-23-2016
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

<b>Nameplate NP1257L</b>	
<b>CAT.NO.</b>	M3108A
<b>SPEC.</b>	34-1238-2328
<b>HP</b>	.5
<b>VOLTS</b>	230/460
<b>AMP</b>	2/1
<b>RPM</b>	1725
<b>FRAME</b>	56
<b>HZ</b>	60
<b>PH</b>	3
<b>SER.F.</b>	1.25
<b>CODE</b>	L
<b>DES</b>	B
<b>CL</b>	B
<b>NEMA-NOM-EFF</b>	74
<b>PF</b>	63
<b>RATING</b>	40C AMB-CONT
<b>CC</b>	USABLE AT 208V 2.4
<b>DE</b>	6203
<b>ODE</b>	6203
<b>ENCL</b>	OPEN
<b>SN</b>	
	SFA 2.3/1.15

Parts List		
Part Number	Description	Quantity
SA008678	SA 34-1238-2328	1.000 EA
RA005125	RA 34-1238-2328	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
34EP3200A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3200A02SP	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
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
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0007	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 # 6645 - Typical performance - not guaranteed values

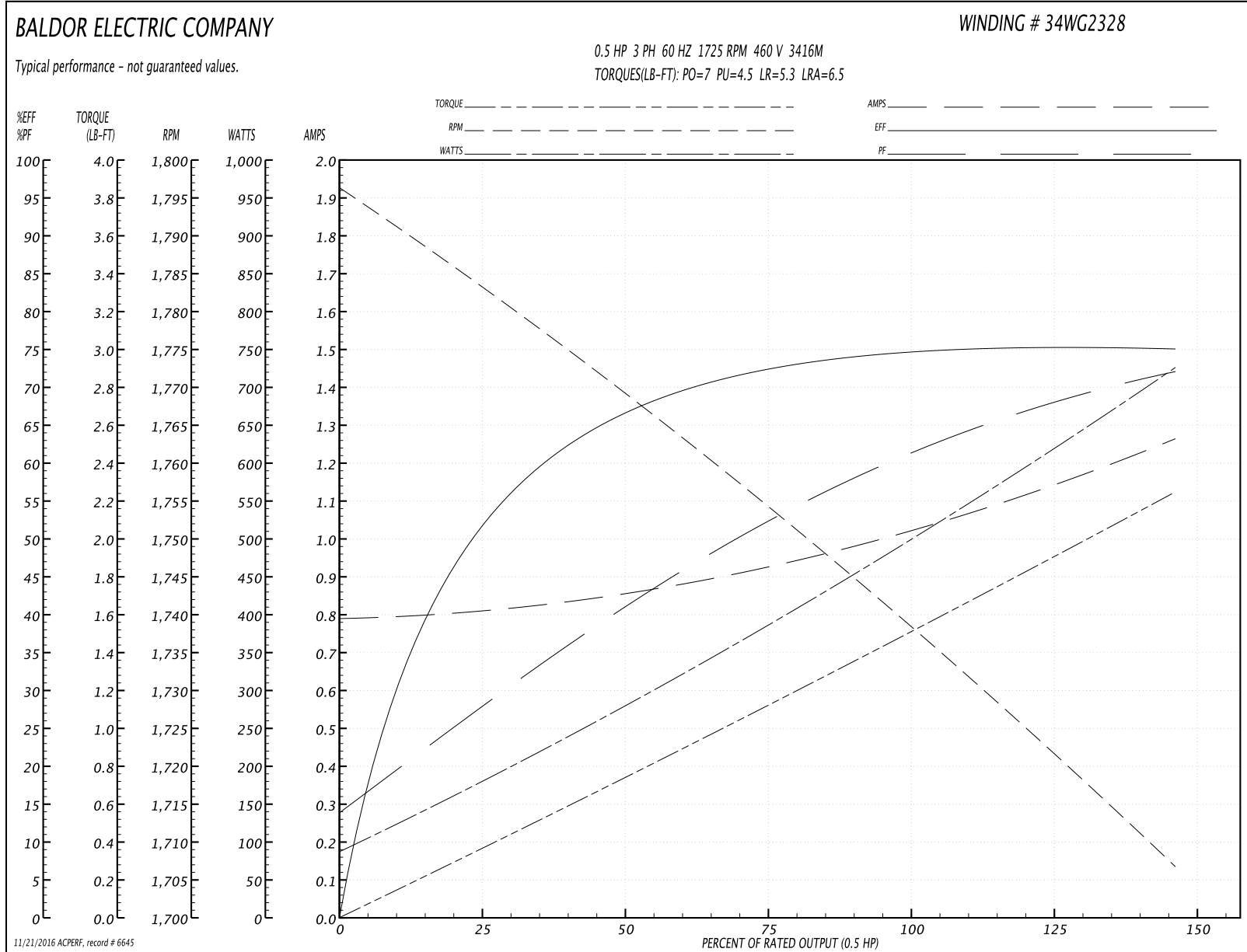
<b>Winding:</b> 34WG2328-R001	<b>Type:</b> 3416M	<b>Enclosure:</b> OPEN
-------------------------------	--------------------	------------------------

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	2/1			Breakdown Torque	7 LB-FT
R.P.M.	1725			Pull-up Torque	4.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	6.5 A
Service Factor (S.F.)	1.25			No-load Current	0.8 A
NEMA Nom. Eff.	74	Power Factor	63	Line-line Res. @ 25°C	32 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	48°C
S.F. Amps	2.3/1.15			Temp. Rise @ S.F. Load	57°C

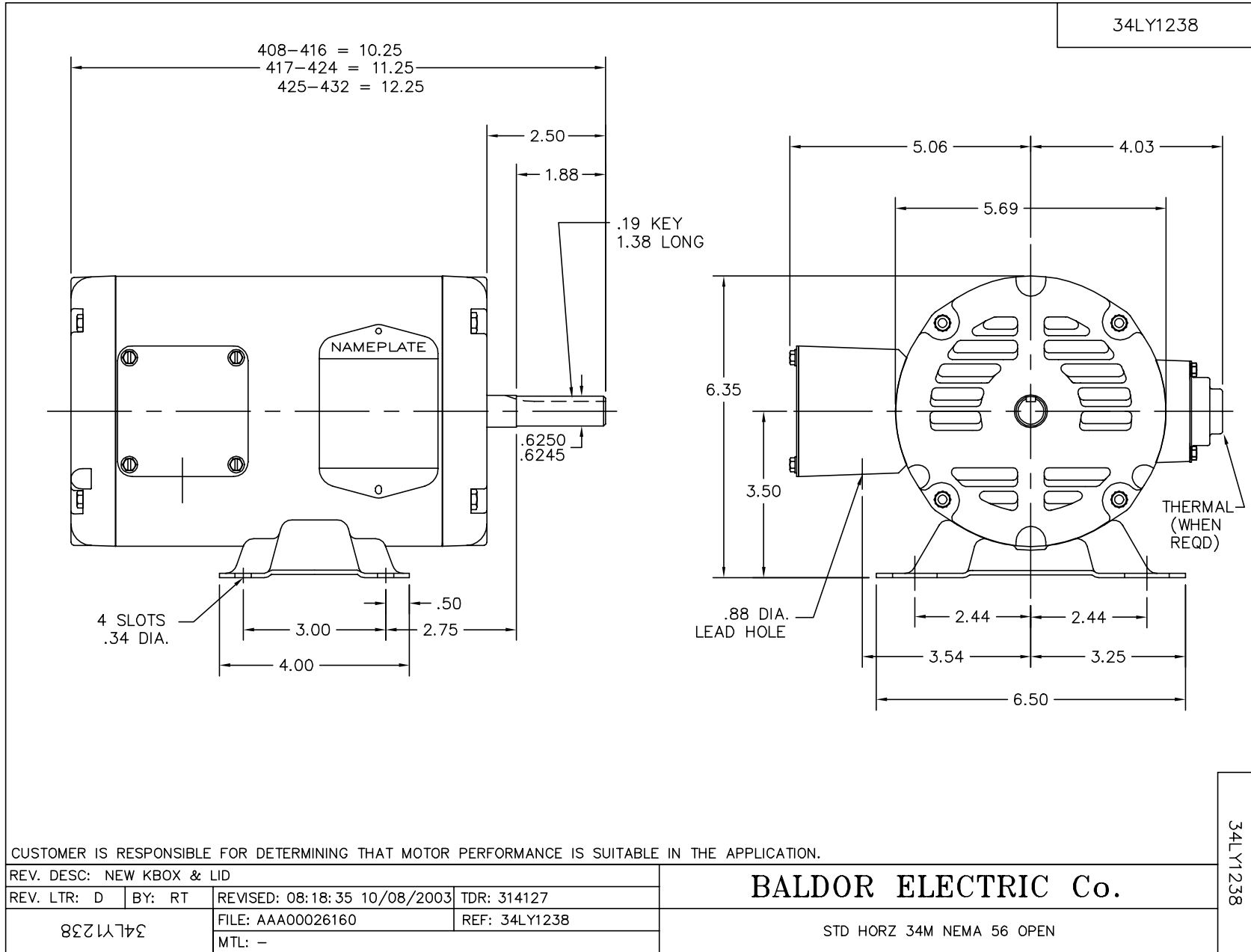
Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	43	55	63	69	75	69
Efficiency	53.2	66.4	72.5	74.6	75.3	75.1	75.3
Speed	1782	1769	1754	1739	1724	1706	1724
Line amperes	0.8	0.85	0.92	1.03	1.15	1.25	1.15

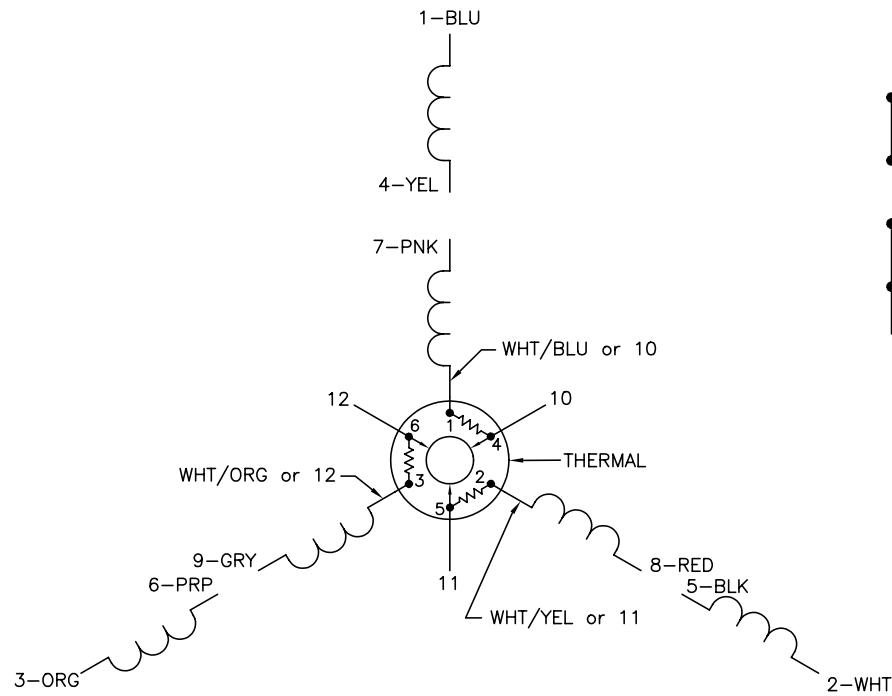
Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values



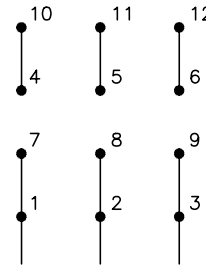
11/21/2016 ACPERF: record # 6645



CD0007

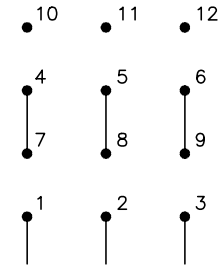


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
L00000		FILE: AAA00008370	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, THERMAL, 12 LEADS

CD0007