

BALDOR® • RELIANCE

Product Information Packet

RHM3115A

1HP,3450RPM,3PH,60HZ,56H,3416M,OPEN,F1

Part Detail							
Revision:	G	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3416M	Elec. Spec:	34WG1219	CD Diagram:	CD0007
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34H323	Layout:	34LYH323
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	
Base:	RS	Rotation:	R	Insulation:	B	Eff. Date:	04-16-2012
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L									
CAT.NO.									
SPEC.	34H323-1219G1								
HP	1								
VOLTS	230/460								
AMP	3.2/1.6								
RPM	3450								
FRAME	56	HZ			60	PH		3	
SER.F.	1.25	CODE			H	DES		B	CL
NEMA-NOM-EFF	75.5	PF			76				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			3.7				
DE	6203	ODE			6203				
ENCL	OPEN	SN							
	SFA 3.8-3.6/1.8								

Parts List		
Part Number	Description	Quantity
SA085077	SA 34H323-1219G1	1.000 EA
RA078221	RA 34H323-1219G1	1.000 EA
TPMYJ66KX	THERMAL 3PH 0.75 AUT 120C	1.000 EA
LD5000A52	LEAD ASSY W/INTERNAL STAR RING TERMINALS	1.000 EA
11XT1032A06	10-32 X 3/8 HX WSHR HD SLTD TYPE 23	2.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3203A01	PU ENDPLATE, MACH	1.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
34EP3202A01SP	FR ENDPLATE, MACH	1.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
HA6001A03	THERMAL RETAINER (PLATED)	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	2.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.014 GA

Parts List (continued)		
Part Number	Description	Quantity
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP1000A01	TERM BOARD, MODEL 34 SW	1.000 EA
34BA4011J01	RESILIENT BASE, MODEL 34, NEMA 56H	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1002	PACKING GROUP, BALDOR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 6623 - Typical performance - not guaranteed values

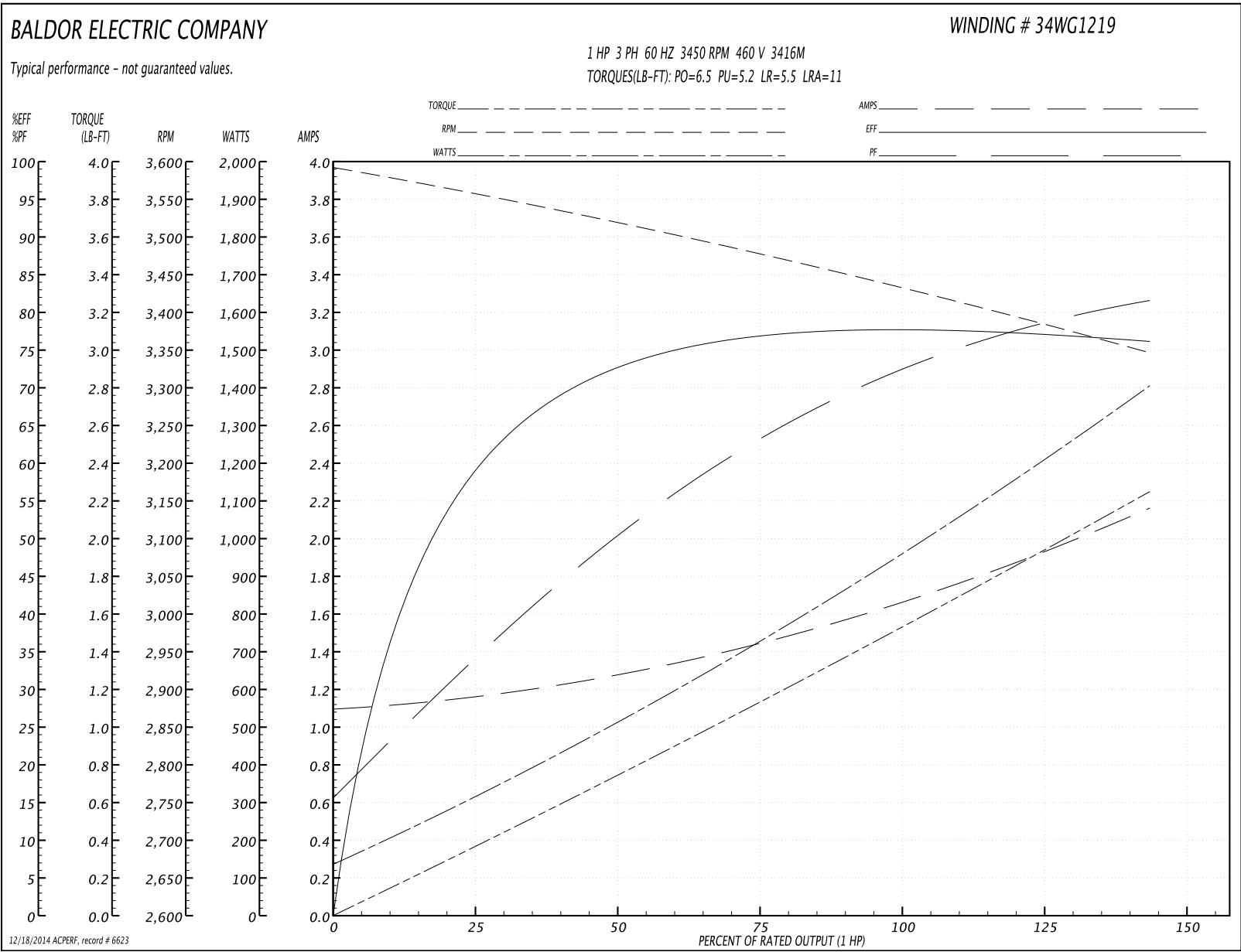
Winding: 34WG1219-R001	Type: 3416M	Enclosure: OPEN
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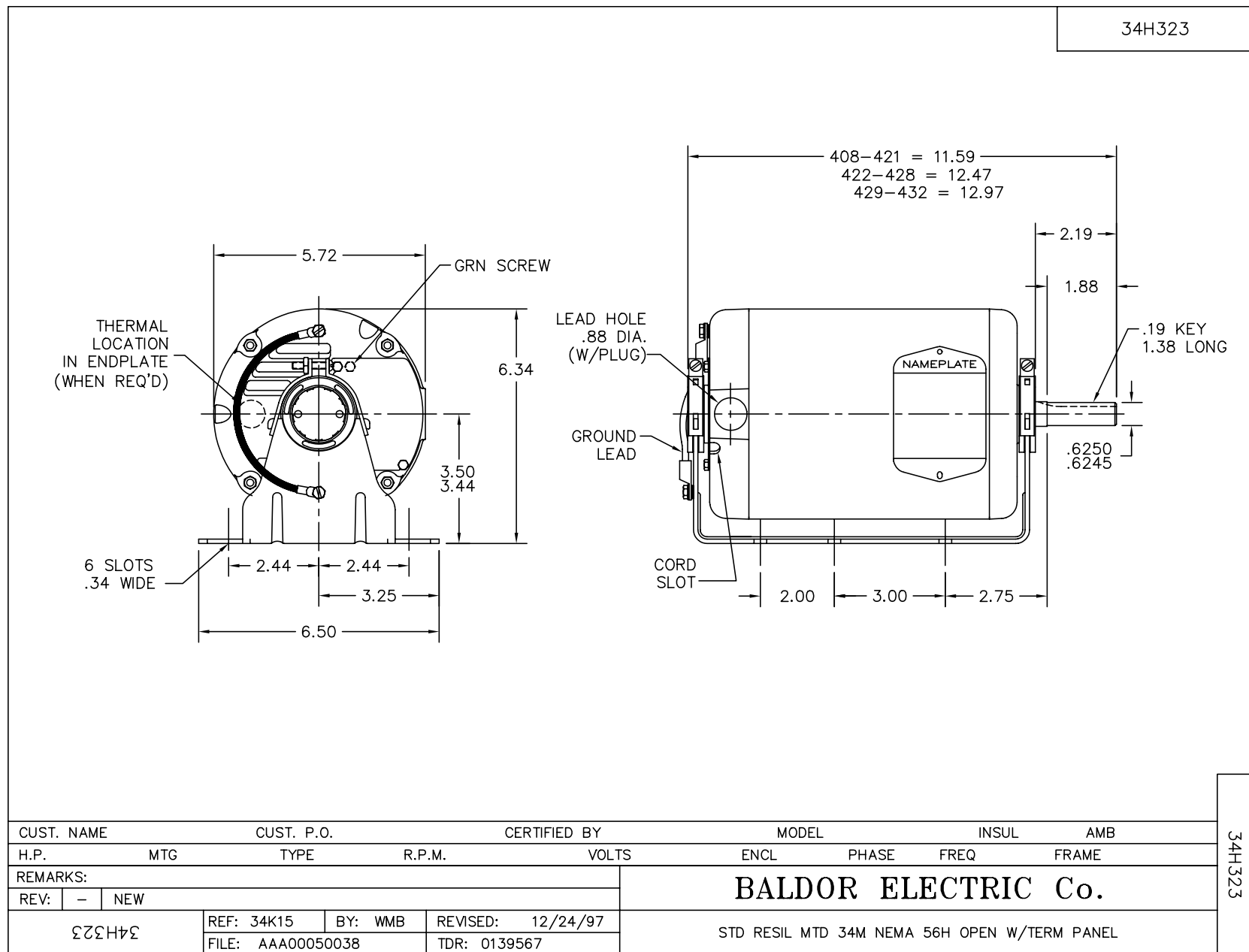
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	1.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	3.2/1.6			Breakdown Torque	6.5 LB-FT
R.P.M.	3450			Pull-up Torque	5.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.5 LB-FT
NEMA Design Code	B	KVA Code	H	Starting Current	11 A
Service Factor (S.F.)	1.15			No-load Current	1.1 A
NEMA Nom. Eff.	75.5	Power Factor	76	Line-line Res. @ 25°C	16.7 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	33°C
S.F. Amps	3.4/1.7			Temp. Rise @ S.F. Load	39°C
				Rotor inertia	0.0148 LF ²

Load Characteristics 460 V, 60 Hz, 1 HP

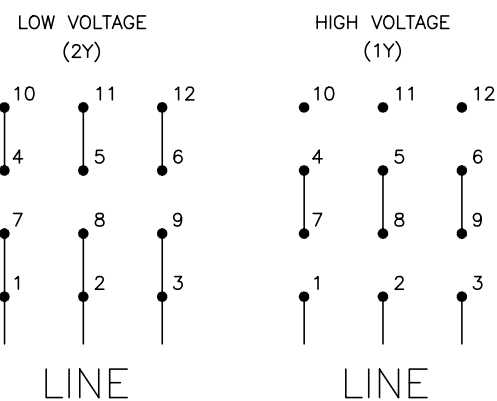
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	53	68	76	77	76	77
Efficiency	61.2	72.1	76.8	77.7	77.2	76.2	77.2
Speed	3558	3524	3476	3434	3390	3349	3390
Line amperes	1.17	1.25	1.45	1.65	1.9	2.15	1.9

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0007



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.

3PH, DV, THERMAL, 12 LEADS