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BALDOR • RELIANCE

Product Information Packet

VL1304A

.5HP,1725RPM,1PH,60HZ,56C,3418L,OPEN,F1

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Part Detail							
Revision:	F	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	3418L	**Elec. Spec:**	34WG5595	**CD Diagram:**	CD0052
Enclosure:	OPEN	**Mfg Plant:**		**Mech. Spec:**	34F037	**Layout:**	34LYF037
Frame:	56C	**Mounting:**	F1	**Poles:**	04	**Created Date:**	02-22-2010
Base:	N	**Rotation:**	ROS	**Insulation:**	B	**Eff. Date:**	01-20-2015
Leads:	6#18,1#16 #1TH					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1257L

CAT.NO.	VL1304A						
SPEC.	34F037-5595G1						
HP	.5						
VOLTS	115/230						
AMP	8.4/4.2						
RPM	1725						
FRAME	56C	**HZ**	60	**PH**	1		
SER.F.	1.25	**CODE**	K	**DES**	N	**CL**	B
NEMA-NOM-EFF	62	**PF**	62				
RATING	40C AMB-CONT						
CC				**USABLE AT 208V**	4.8		
DE	6203	**ODE**	6203				
ENCL	OPEN	**SN**					
	SFA 9.2/4.6						

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Parts List

Part Number	Description	Quantity
SA191212	SA 34F037-5595G1	1.000 EA
RA178873	RA 34F037-5595G1	1.000 EA
EC1270A02SP	ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.	1.000 EA
34EP3202A03	FR ENDPLATE, MACH	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	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
34EP3401A01SP	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FH4500A02P	DRIPCOVER, MODEL 34	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 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
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
SP5068A04	MODEL 34 TERMINAL PANEL SWITCH WITH LEAD	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
HA3100A28	THRUBOLT 10-32 X 8.187	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

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AC Induction Motor Performance Data

Record # 6782 - Typical performance - not guaranteed values

Winding: 34WG5595-R001	**Type:** 3418L	**Enclosure:** OPEN

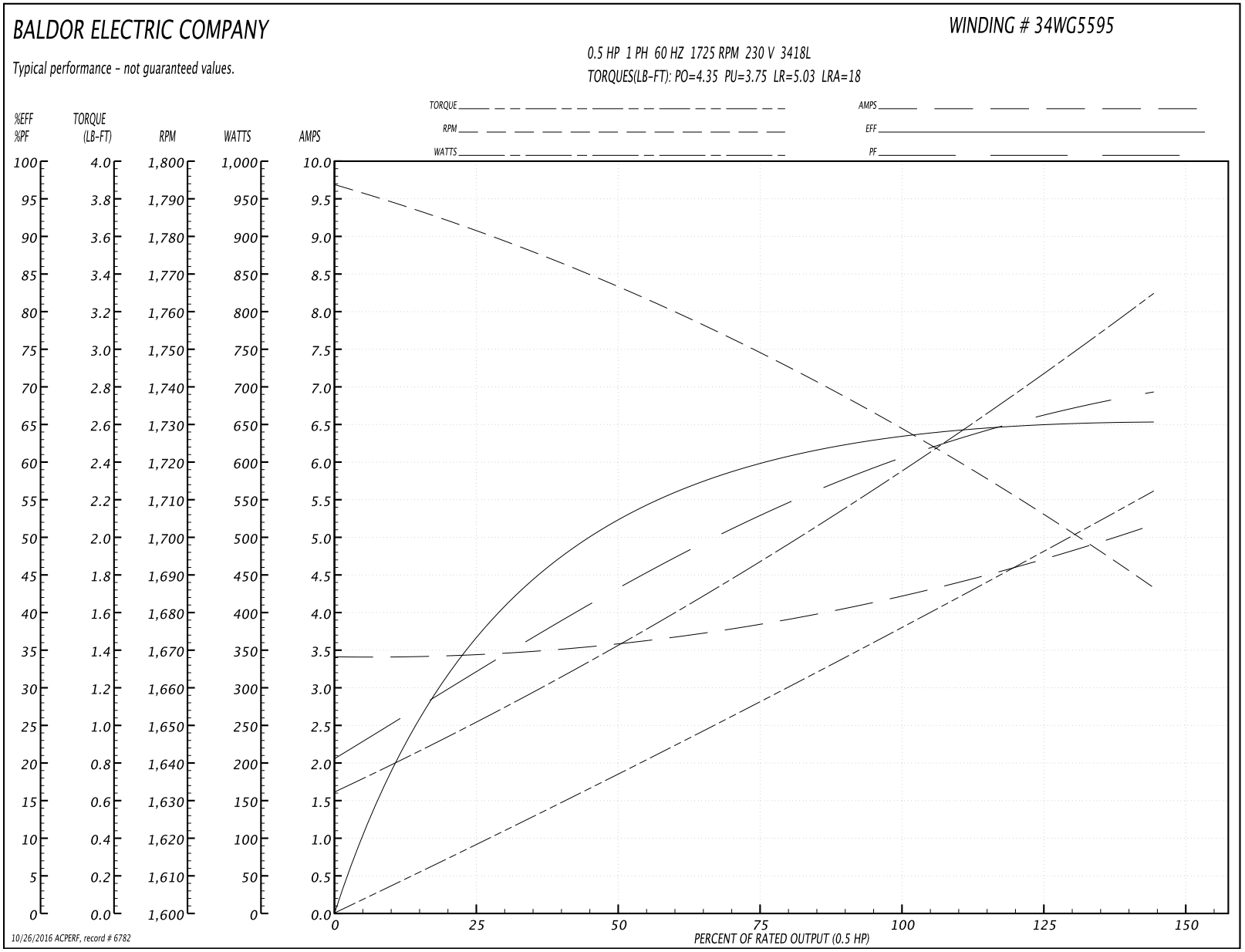
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.5 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	8.4/4.2			Breakdown Torque	4.35 LB-FT
R.P.M.	1725			Pull-up Torque	3.75 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.03 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	18 A
Service Factor (S.F.)	1.25			No-load Current	3.4 A
NEMA Nom. Eff.	62	Power Factor	62	Line-line Res. @ 25ºC	4.24 Ω A Ph 3.24 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	66°C
S.F. Amps	9.2/4.6			Temp. Rise @ S.F. Load	78°C

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	42	53	62	69	77	69
Efficiency	36	52	60	64	65	65	65
Speed	1780	1765	1750	1730	1711	1685	1711
Line amperes	3.45	3.6	3.85	4.2	4.6	5.2	4.6

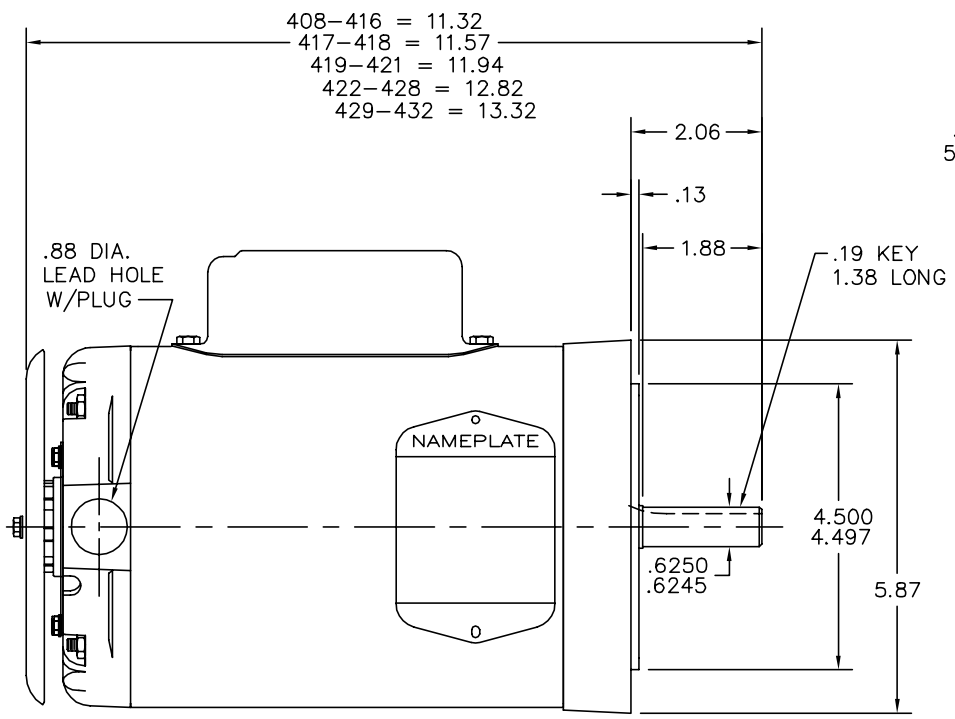
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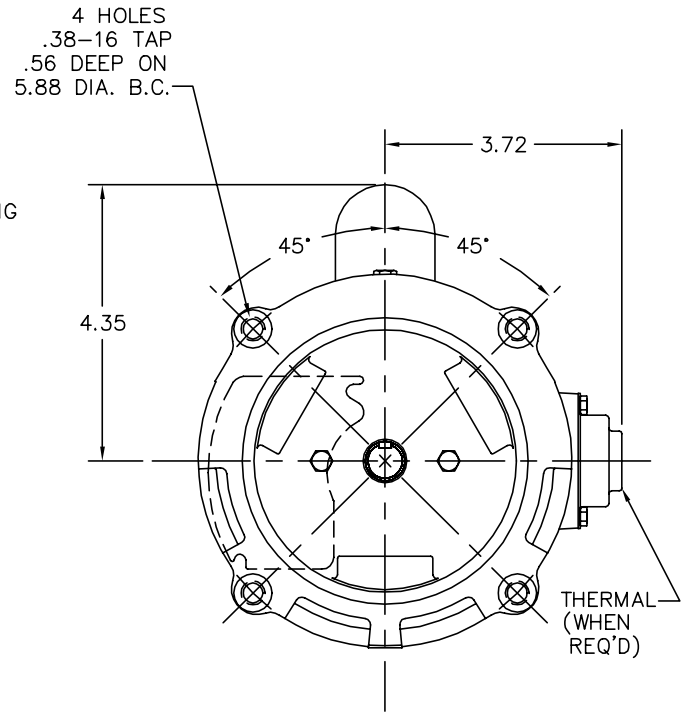
Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values



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34LYF037





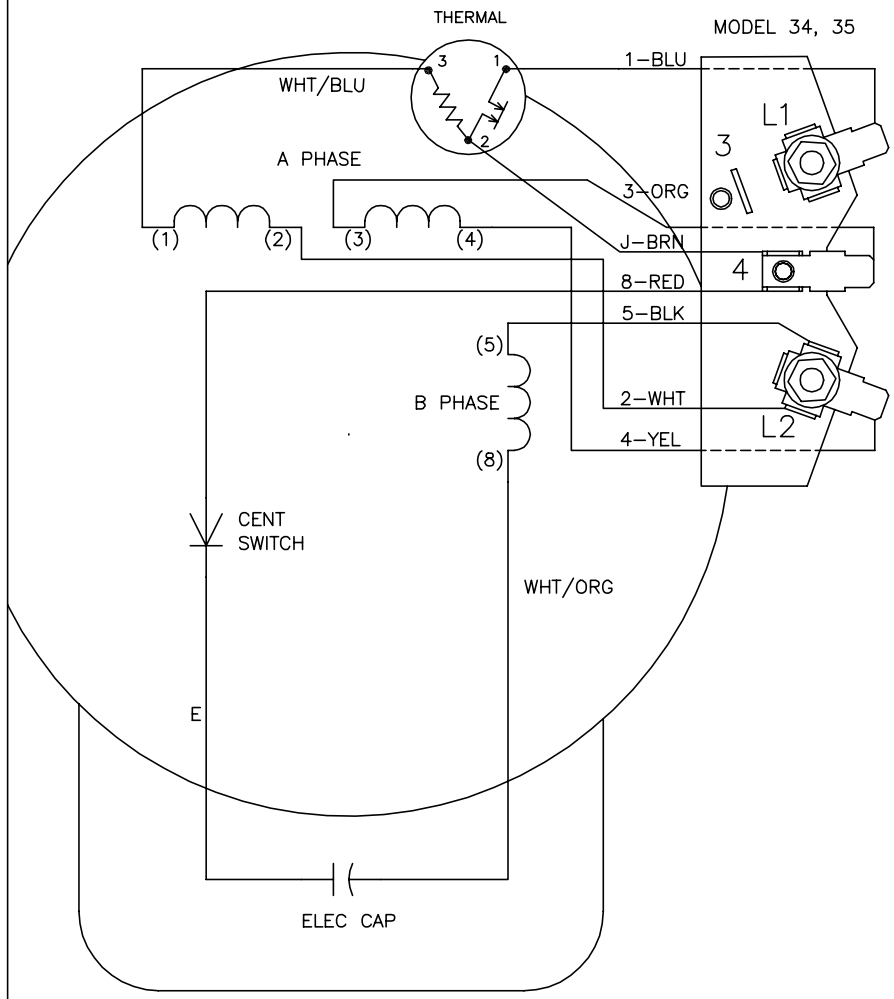
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

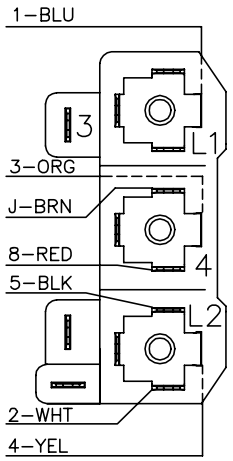
REV. DESC: REACTIVATE			BALDOR ELECTRIC Co.
REV. LTR: J	BY: BF	REVISED: 14:40:54 02/18/2004	TDR: 325013
34LYF037		FILE: AAA00026303	REF: 34LYF037
		MTL: –	STD VERT MODEL 34L NEMA 56C OPEN W/DRIP COVER & TERM PLATE

34LYF037

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CD0052





NOTES:

1. CONNECT LINE LEADS TO L1 AND L2.
   LOW VOLTAGE: CONNECT AS SHOWN.
   HIGH VOLTAGE: MOVE LEAD J TO TERM. 3.
   MOVE LEAD 2 TO TERM. 4.
2. CONNECTIONS ARE SHOWN FOR STANDARD ROTATION (CCW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE LEADS 5 AND 8 TO REVERSE ROTATION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION			BALDOR ELECTRIC Co.
REV. LTR: H	VERSION: 01	TDR: 000000373039	
CD0052	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005	TYPE L, DV, REV, THERMAL, TERMINAL PLATE
	MTL: –	BY: ENJOEPO	

CD0052

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