

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **JL1303A**

**.5HP,3450RPM,1PH,60HZ,56J,3420L,OPEN,F1**

Part Detail							
Revision:	AE	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG2413	CD Diagram:	CD0307	Mfg Plant:	
Mech. Spec:	34F036	Layout:	34LYF036	Poles:	02	Created Date:	
Base:	N	Eff. Date:	10-23-2017	Leads:	5#18,1#16 #1TH		

Specs			
Catalog Number:	JL1303A	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	L
Frame:	56J	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	5 @ 18 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Terminal Panel Or Lead Hole
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3420L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	67
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Ext Thread
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	3.700 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	7.400 A @ 115.0 V	<b>Shaft Rotation:</b>	Fixed Opposite Standard
<b>Design Code:</b>	N	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Drip Cover:</b>	Drip Cover	<b>Speed Code:</b>	Single Speed
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	None
<b>Front Face Code:</b>	Terminal Panel	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	Automatic Thermal Overload
<b>Insulation Class:</b>	B	<b>Winding Thermal 1 Location:</b>	SB

<b>Nameplate NP1257L</b>	
<b>CAT.NO.</b>	JL1303A
<b>SPEC.</b>	34F36-2413
<b>HP</b>	.5
<b>VOLTS</b>	115/230
<b>AMP</b>	7.4/3.7
<b>RPM</b>	3450
<b>FRAME</b>	56J
<b>SER.F.</b>	1.60
<b>NEMA-NOM-EFF</b>	66
<b>RATING</b>	40C AMB-CONT
<b>CC</b>	
<b>DE</b>	6203
<b>ENCL</b>	OPEN
	SFA 9.4/4.7

<b>CODE</b>	L	<b>DES</b>	N	<b>CL</b>	B	<b>PH</b>	1
<b>PF</b>	67	<b>HZ</b>		60			
		<b>USABLE AT 208V</b>					
		<b>ODE</b>	6203				
		<b>SN</b>					

**AC Induction Motor Performance Data**  
Record # 6647 - Typical performance - not guaranteed values

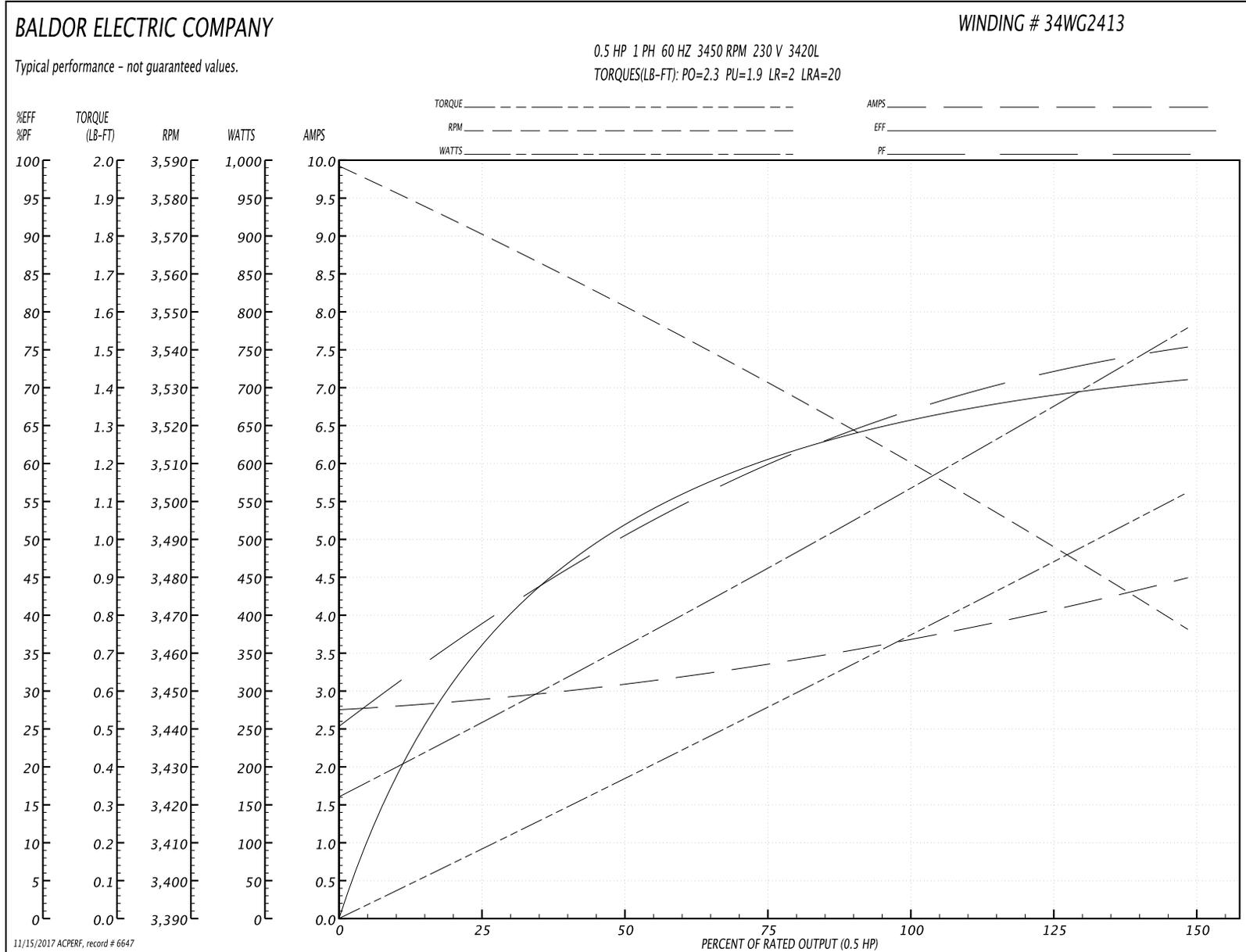
<b>Winding:</b> 34WG2413-R001	<b>Type:</b> 3420L	<b>Enclosure:</b> OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	0.75 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	7.4/3.7			Breakdown Torque	2.3 LB-FT
R.P.M.	3450			Pull-up Torque	1.9 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	20 A
Service Factor (S.F.)	1.6			No-load Current	2.75 A
NEMA Nom. Eff.	66	Power Factor	67	Line-line Res. @ 25°C	3.55 Ω A Ph 2.56 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	33°C
S.F. Amps	9.4/4.7			Temp. Rise @ S.F. Load	53°C

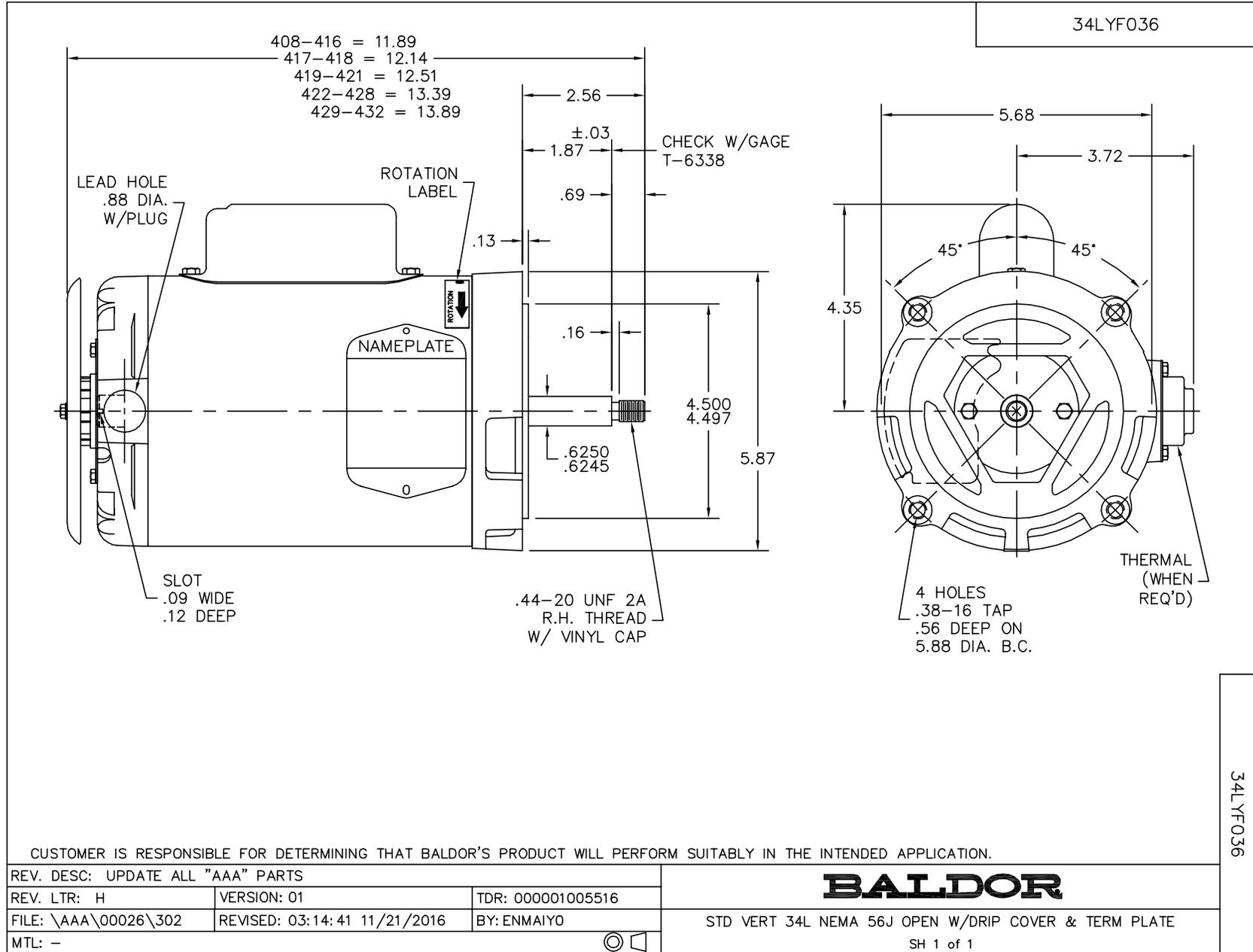
Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	50	60	67	73	77	78
Efficiency	36	52	61	66	69	71	71
Speed	3570	3550	3530	3511	3490	3465	3460
Line amperes	2.9	3.1	3.35	3.7	4.05	4.5	4.7

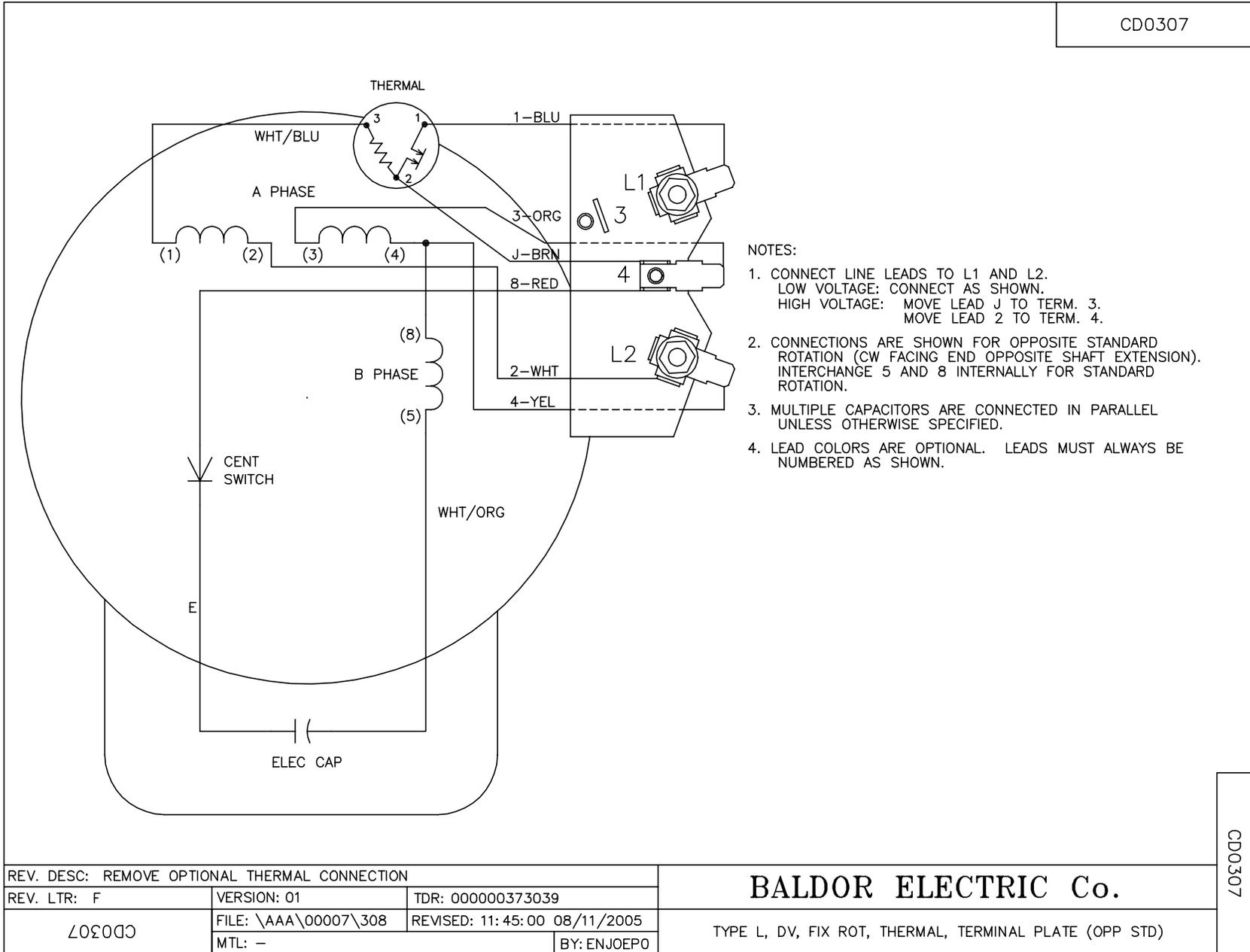
Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values



11/15/2017 ACPERF: record # 6647



CD0307



- 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 OPPOSITE STANDARD ROTATION (CW FACING END OPPOSITE SHAFT EXTENSION). INTERCHANGE 5 AND 8 INTERNALLY FOR STANDARD ROTATION.
  3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
  4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0307

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: F	VERSION: 01	TDR: 000000373039
CD0307	FILE: \AAA\00007\308	REVISED: 11: 45: 00 08/11/2005
	MTL: -	BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE L, DV, FIX ROT, THERMAL, TERMINAL PLATE (OPP STD)