

BALDOR® • ***RELIANCE***

Product Information Packet

L1209

.5HP,1725RPM,1PH,60HZ,48,3421L,OPEN,F1,N

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5422	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	34F001	Layout:	34LYF001	Poles:	04	Created Date:	08-02-2006
Base:	RG	Eff. Date:	05-17-2017	Leads:	6#18		

Specs			
Catalog Number:	L1209	Inverter Code:	Not Inverter
Enclosure:	ODP	KVA Code:	J
Frame:	48	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3421L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	66
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	3.700 A @ 230.0 V	Shaft Extension Location:	Pulley End
	4.300 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding

	7.400 A @ 115.0 V	Shaft Rotation:	Reversible
Design Code:	N	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	B	Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.	L1209									
SPEC.	34F001-5422G1									
HP	.5									
VOLTS	115/230									
AMP	7.4/3.7									
RPM	1725 SFA 8.2/4.1									
FRAME	48				HZ	60			PH	1
SER.F.	1.25		CODE	J	DES	N		CLASS	B	
NEMA-NOM-EFF	68		PF	66						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	4.3
DE	6203				ODE	6203				
ENCL	OPEN		SN							
NOT FOR USE IN USA										

AC Induction Motor Performance Data

Record # 36351 - Typical performance - not guaranteed values

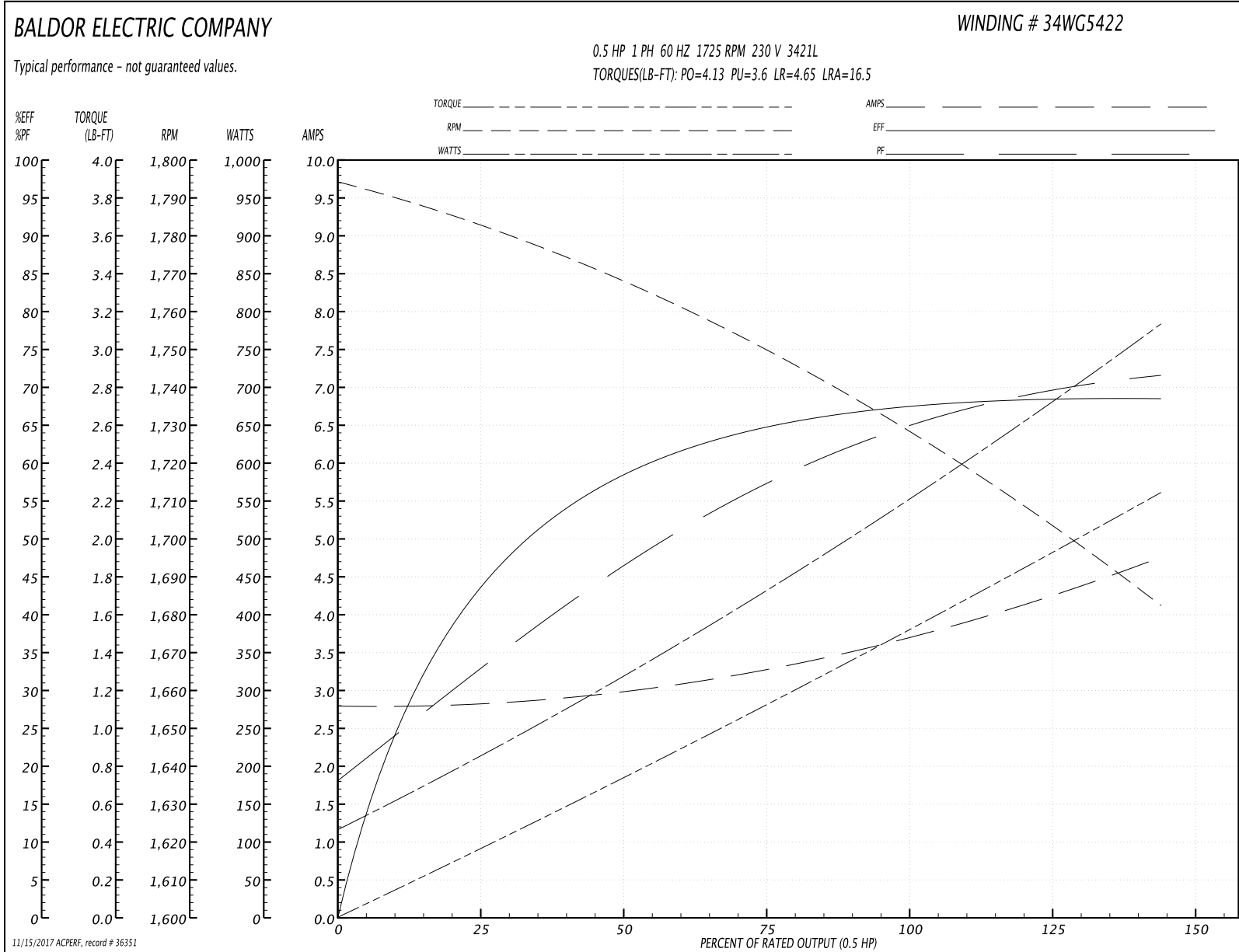
Winding: 34WG5422-R025	Type: 3421L	Enclosure: OPEN
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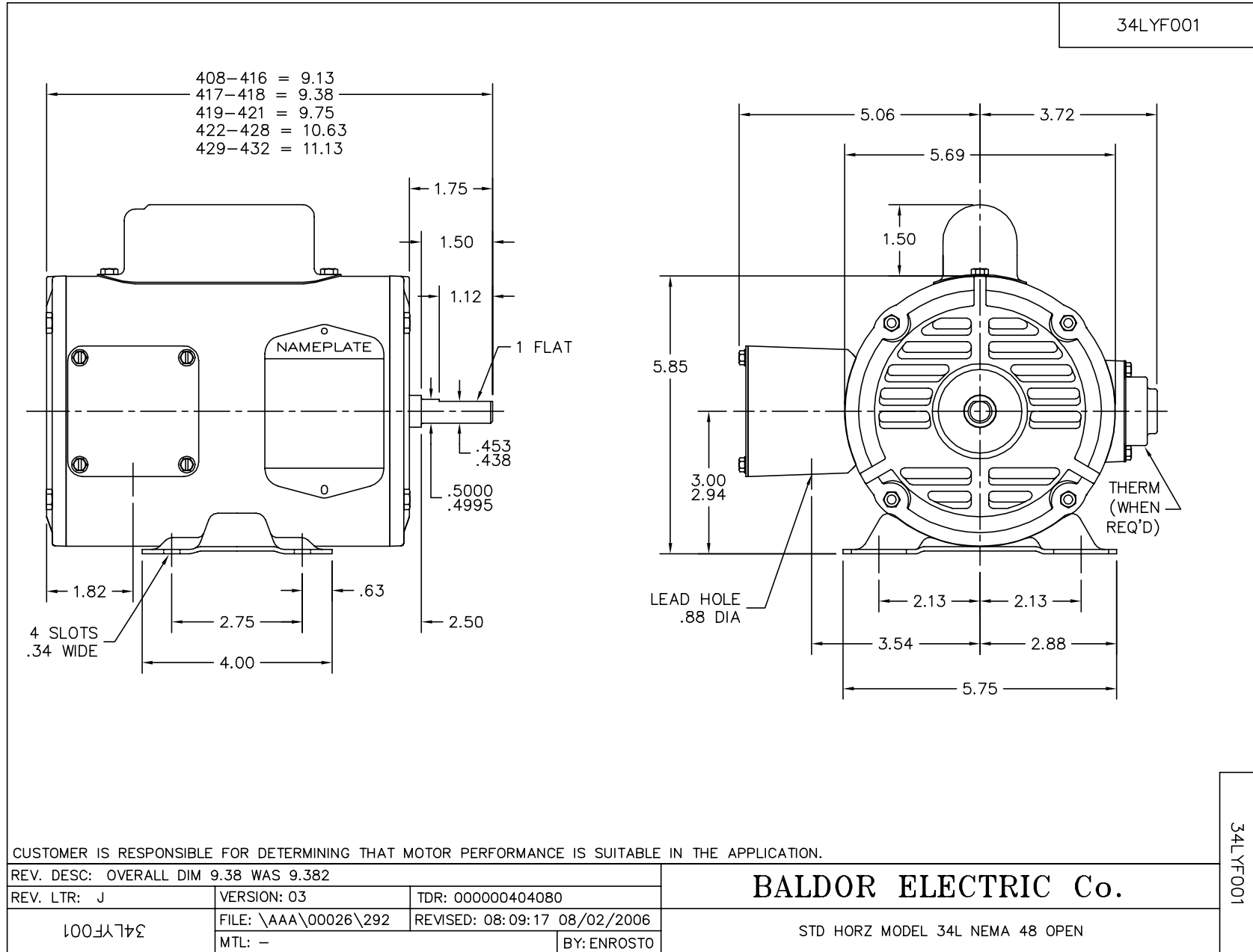
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.5 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	7.4/3.7			Breakdown Torque	4.13 LB-FT
R.P.M.	1725			Pull-up Torque	3.6 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	4.65 LB-FT
NEMA Design Code	N	KVA Code	J	Starting Current	16.5 A
Service Factor (S.F.)	1.25			No-load Current	2.8 A
NEMA Nom. Eff.	68	Power Factor	66	Line-line Res. @ 25°C	4.44 Ω A Ph 3.19 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	8.2/4.1			Temp. Rise @ S.F. Load	

Load Characteristics 230 V, 60 Hz, 0.5 HP

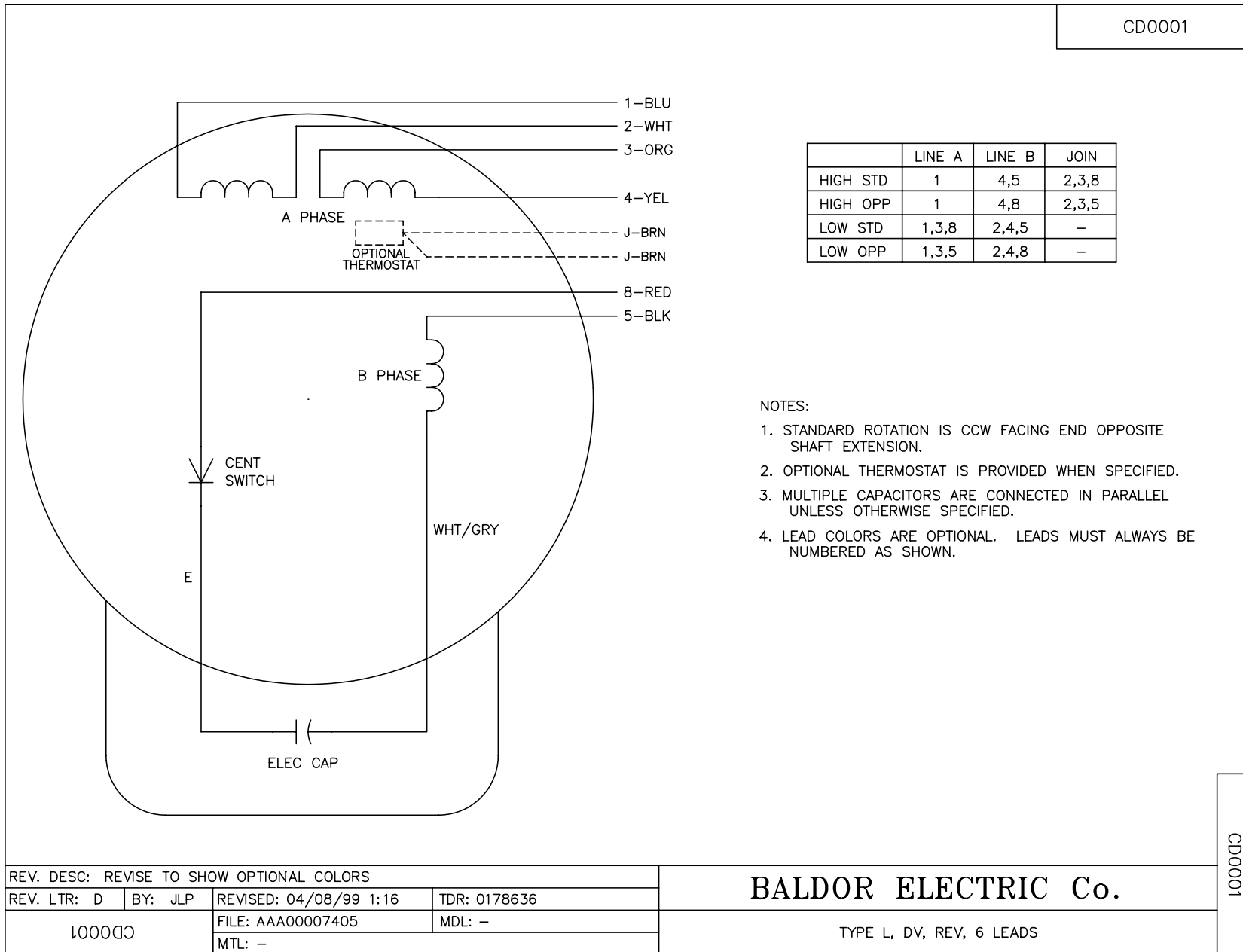
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	46	59	66	72	80	72
Efficiency	42	58	65	68	69	68	69
Speed	1783	1765	1750	1730	1710	1680	1710
Line amperes	2.8	3	3.3	3.7	4.1	4.8	4.1

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





CD0001



CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS