

BALDOR® • **RELIANCE**

Product Information Packet

CJL1306A

.75HP,3450RPM,1PH,60HZ,56J,3424L,OPEN,F1

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG2414	CD Diagram:	CD0307	Mfg Plant:	
Mech. Spec:	34F492	Layout:	34LYF492	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	12-01-2016	Leads:	5#18,1#14 #1TH		

Specs			
Catalog Number:	CJL1306A	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	J
Frame:	56J	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.750 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:	3424L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	68
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:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	11.000 A @ 115.0 V	Shaft Ground Indicator:	No Shaft Grounding

	5.500 A @ 230.0 V	Shaft Rotation:	Fixed Opposite Standard
Design Code:	N	Shaft Slinger Indicator:	No Slinger
Drip Cover:	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:	Drip Cover Mounting	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	Automatic Thermal Overload
Insulation Class:	B	Winding Thermal 1 Location:	ES
		Winding Thermal 2:	None

Nameplate NP1257L	
CAT.NO.	CJL1306A
SPEC.	34F492-2414G1
HP	.75
VOLTS	115/230
AMP	11/5.5
RPM	3450
FRAME	56J
SER.F.	1.50
NEMA-NOM-EFF	69
RATING	40C AMB-CONT
CC	
DE	6203
ENCL	OPEN
	SFA 13/6.5
	CODE J
	DES N
	CL B
	PF 68
	HZ 60
	PH 1
	USABLE AT 208V
	ODE 6203
	SN

AC Induction Motor Performance Data
Record # 6649 - Typical performance - not guaranteed values

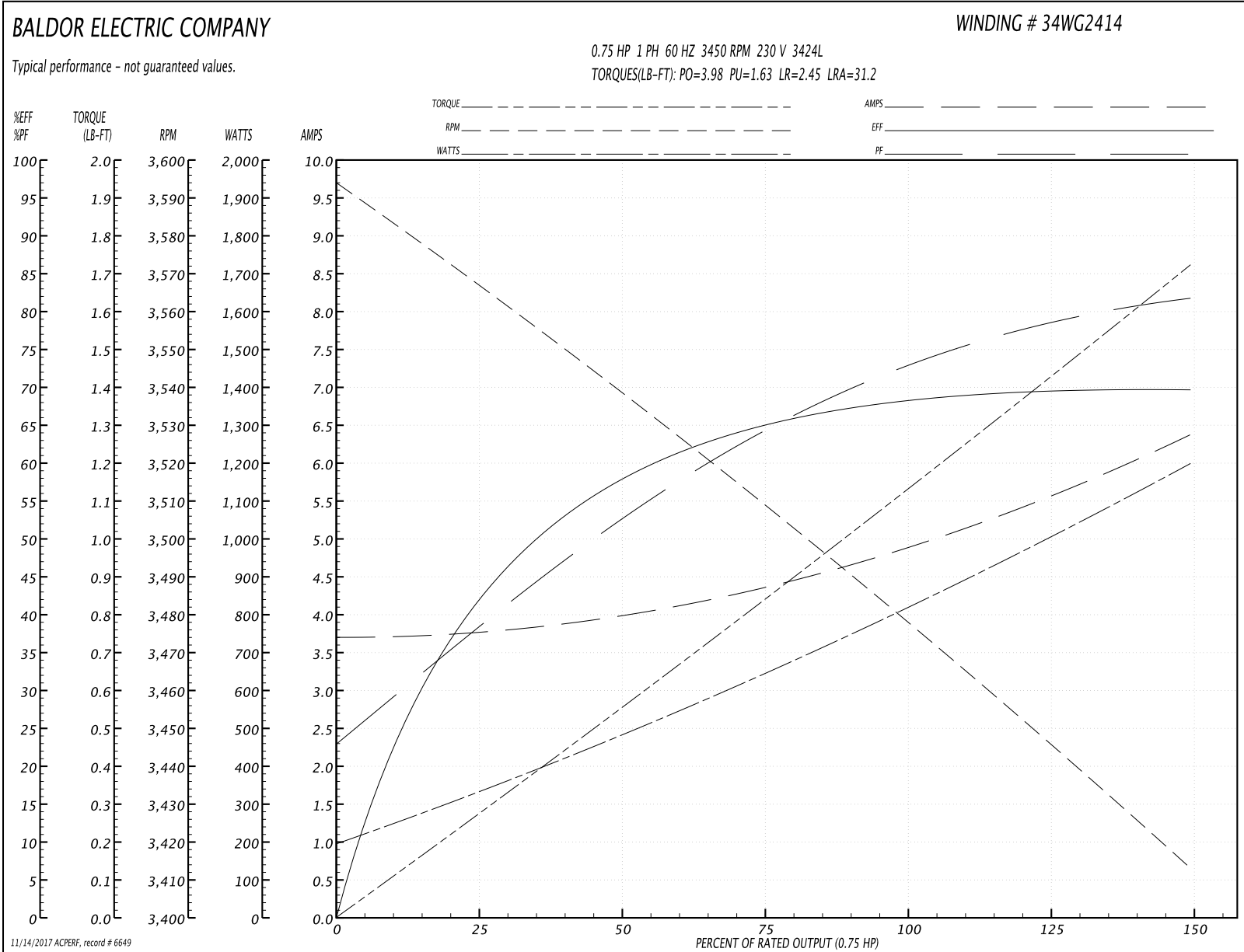
Winding: 34WG2414-R001	Type: 3424L	Enclosure: OPEN
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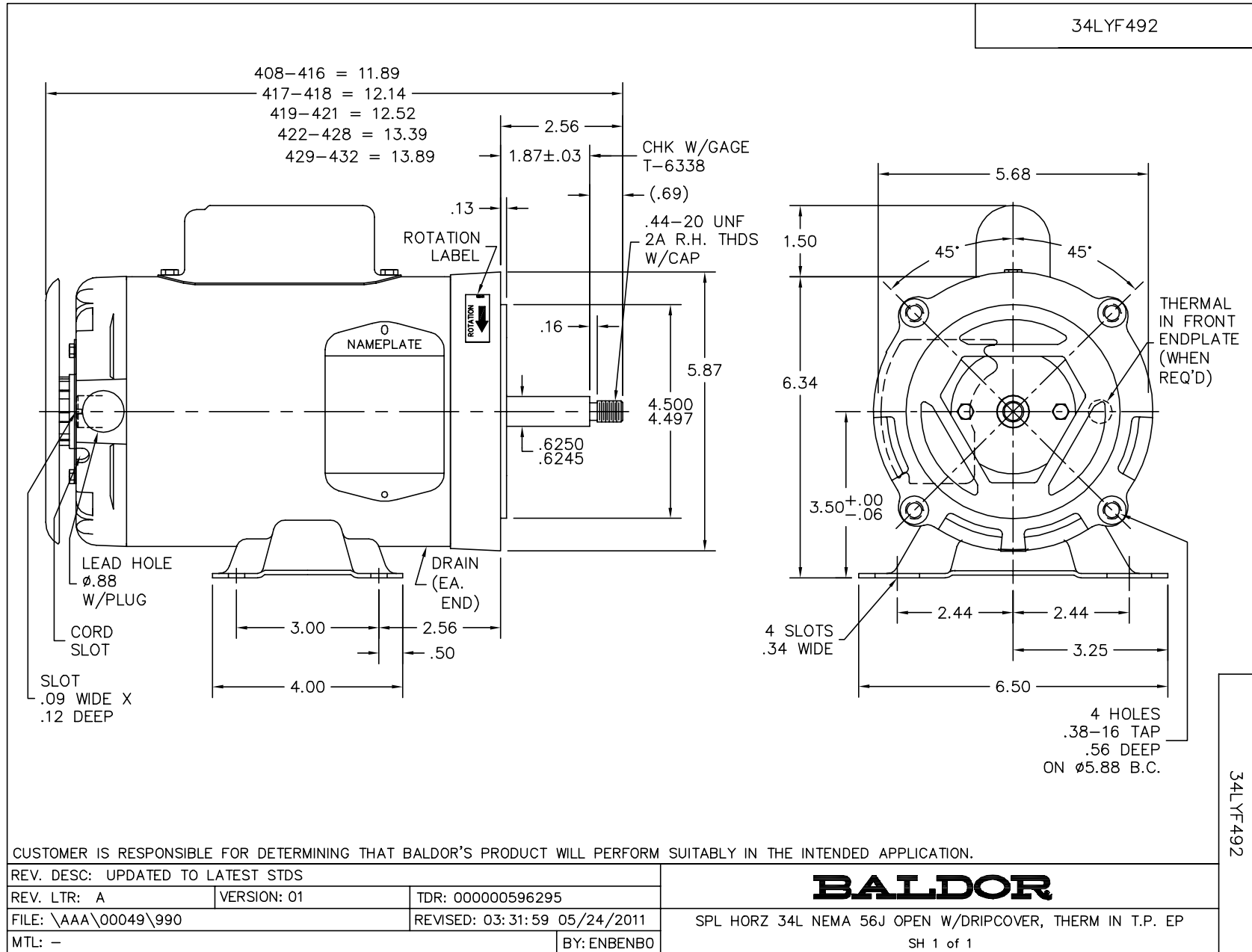
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.15 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	11/5.5			Breakdown Torque	3.98 LB-FT
R.P.M.	3450			Pull-up Torque	1.63 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2.45 LB-FT
NEMA Design Code	N	KVA Code	J	Starting Current	31.2 A
Service Factor (S.F.)	1.5			No-load Current	3.7 A
NEMA Nom. Eff.	69	Power Factor	68	Line-line Res. @ 25°C	2.33 Ω A Ph 1.65 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps	13/6.5			Temp. Rise @ S.F. Load	108°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

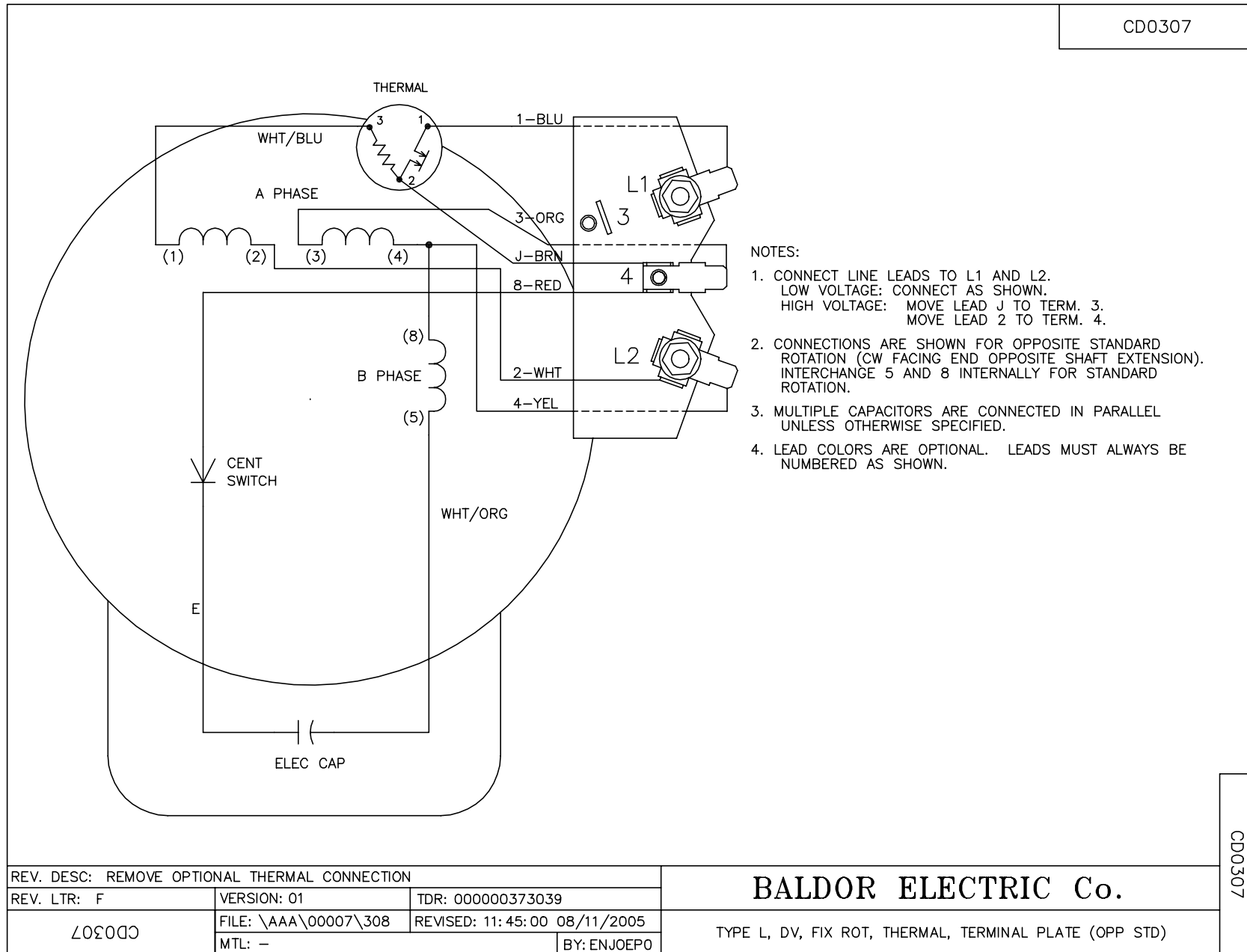
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	52	64	73	79	83	85
Efficiency	41.7	57.6	65.5	69.2	69.8	69.3	70.4
Speed	3558	3536	3508	3479	3447	3410	3415
Line amperes	3.78	4	4.4	4.91	5.61	6.37	6.31

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0307



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