

BALDOR® • RELIANCE

Product Information Packet

JL3506A

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

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG3155	CD Diagram:	CD0094	Mfg Plant:	
Mech. Spec:	34-3099	Layout:	34LY3099	Poles:	02	Created Date:	
Base:	N	Eff. Date:	10-19-2017	Leads:	4#18,1#14 #4TH	Y	

Specs			
Catalog Number:	JL3506A	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56J	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.750 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	4 @ 18 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3424L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	66
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	No Mounting	Pulley Shaft Indicator:	Ext Thread
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	10.800 A @ 115.0 V	Shaft Extension Location:	Pulley End

	5.400 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	7.000 A @ 208.0 V	Shaft Rotation:	Fixed Opposite Standard
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:	Automatic Thermal Overload
		Winding Thermal 1 Location:	SB

CAT.NO.	JL3506A											
SPEC.	34-3099-3155G1											
HP	.75											
VOLTS	115/230											
AMP	10.8/5.4											
RPM	3450											
FRAME	56J				HZ				60	PH		1
SER.F.	1.50		CODE		K	DES		N	CL		B	
NOM-EFF	66		PF		66							
RATING	40C AMB-CONT											
CC			USABLE AT 208V						N/A			
DE	6203		ODE		6203							
ENCL	TEFC		SN									
	SFA 13.4/6.7											

AC Induction Motor Performance Data

Record # 6663 - Typical performance - not guaranteed values

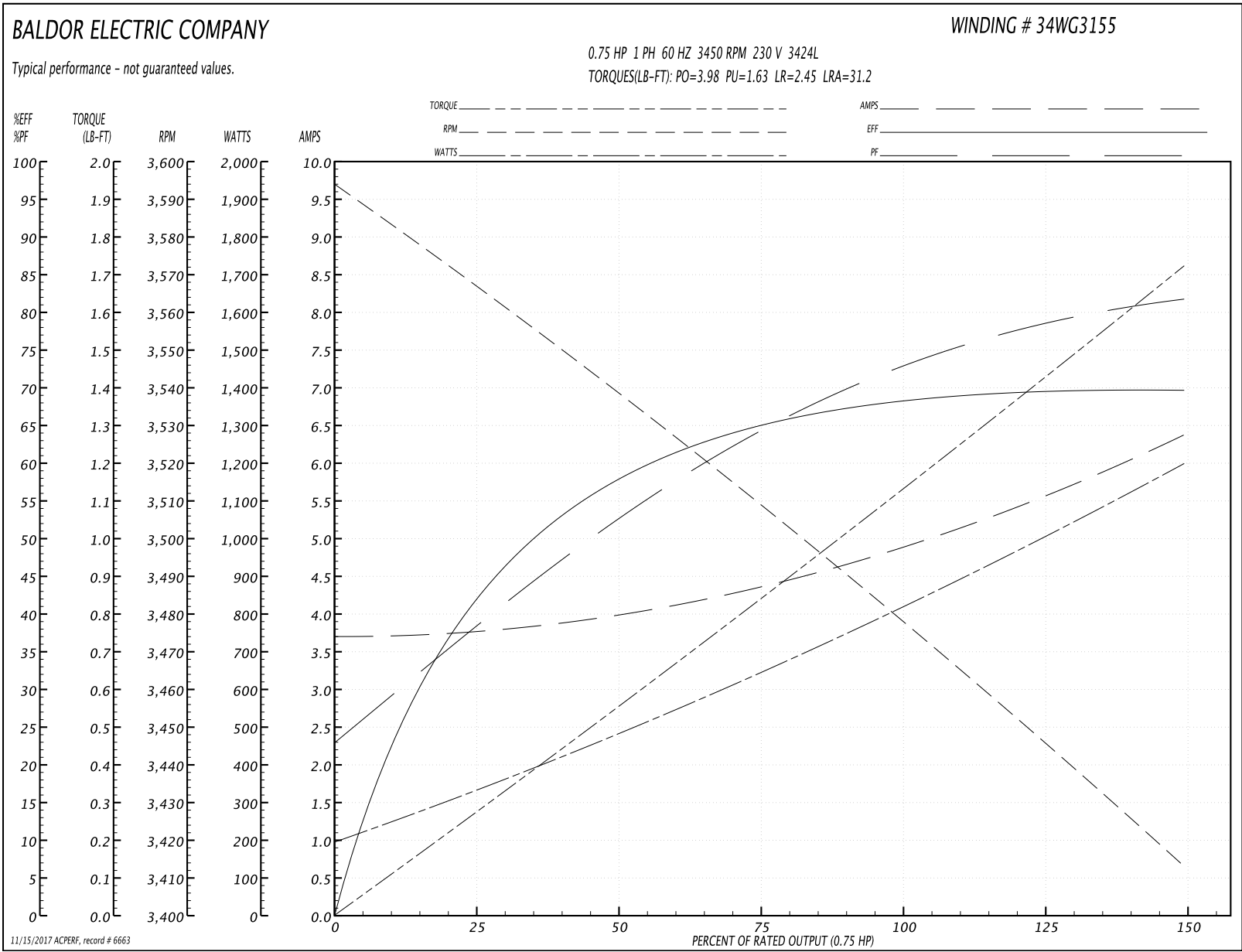
Winding: 34WG3155-R001	Type: 3424L	Enclosure: TEFC
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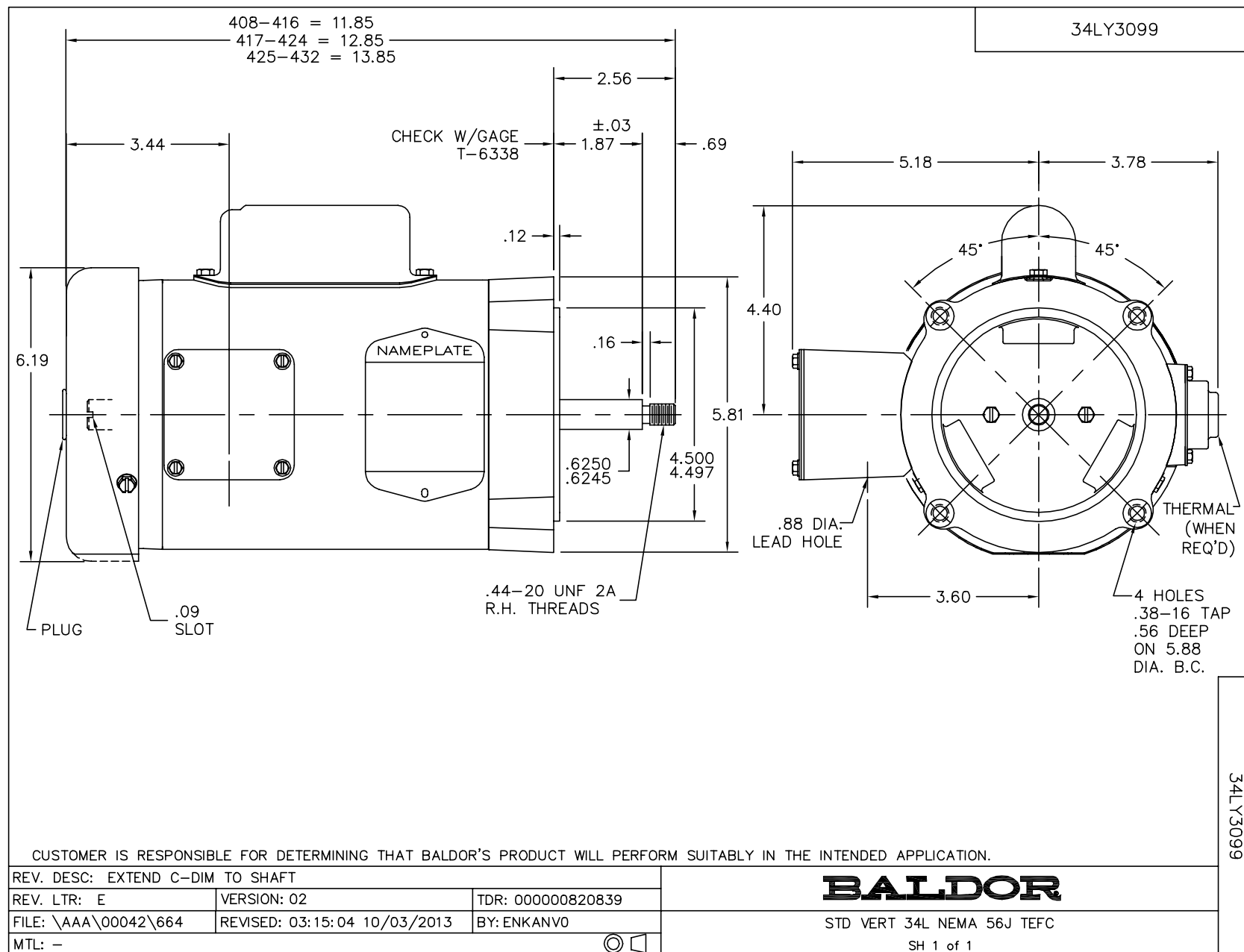
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.15 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	10.8/5.4			Breakdown Torque	3.98 LB-FT
R.P.M.	3450			Pull-up Torque	1.63 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	2.45 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	31.2 A
Service Factor (S.F.)	1.5			No-load Current	3.7 A
NEMA Nom. Eff.	66	Power Factor	66	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	13.4/6.7			Temp. Rise @ S.F. Load	108°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

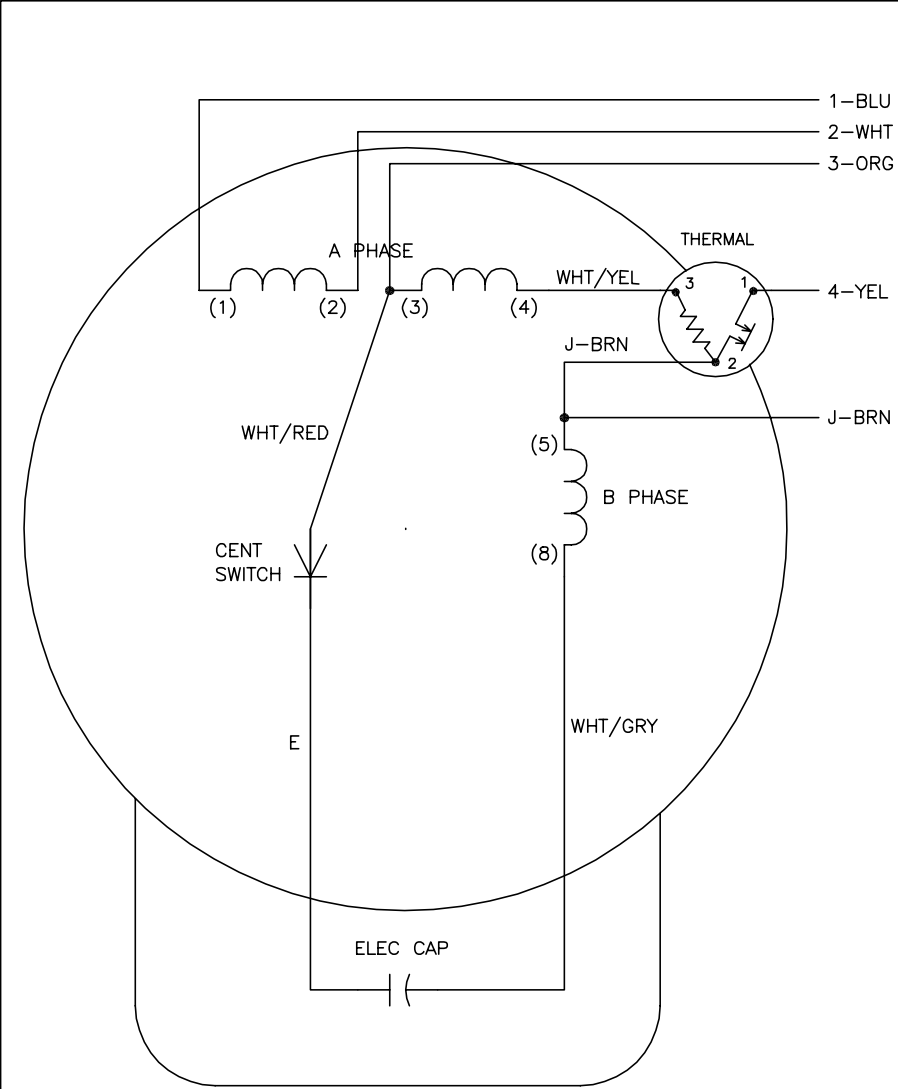
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	52	64	73	79	83	85
Efficiency	41.7	57.6	65.5	69.2	69.8	69.3	70.4
Speed	3558	3536	3508	3479	3447	3410	3415
Line amperes	3.78	4	4.4	4.91	5.61	6.37	6.31

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





CD0094



	LINE A	LINE B	JOIN	JOIN
HIGH	1	4	2,3	J
LOW	1,3	4	2,J	—

- NOTES:
1. CONNECTIONS ARE SHOWN FOR CCW ROTATION FACING END OPPOSITE SHAFT EXTENSION (STD). FOR CW ROTATION, INTERCHANGE 5 AND 8 INTERNALLY.
 2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: E	VERSION: 01	TDR: 000000373039
CD0094	FILE: \AAA\00007\476	REVISED: 11:12:36 08/11/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, FIX, THERMAL, 5 LEAD

CD0094