

**BALDOR® • RELIANCE** 

**Product Information Packet**

**L3400**

**.17HP, 1725RPM, 1PH, 60HZ, 48, 3408L, TEFC, F1**

Part Detail							
Revision:	AA	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGW020	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	34C051	Layout:	34LYC051	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	11-18-2020	Leads:	6#18		

Specs			
Catalog Number:	L3400	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	48	IP Rating:	NONE
Frame Material:	Steel	KVA Code:	M
Motor Letter Type:	Cap Start, Induction Run	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.170 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 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:	3408L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	57
	UR	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	Shaft Extension Location:	Pulley End

<b>Current @ Voltage:</b>	2.300 A @ 208.0 V	<b>Shaft Ground Indicator:</b>	No Shaft Grounding
	3.800 A @ 115.0 V	<b>Shaft Rotation:</b>	Reversible
	1.900 A @ 230.0 V	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Design Code:</b>	N	<b>Speed Code:</b>	Single Speed
<b>Drip Cover:</b>	No Drip Cover	<b>Motor Standards:</b>	NEMA
<b>Duty Rating:</b>	CONT	<b>Starting Method:</b>	Direct on line
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Thermal Device - Bearing:</b>	None
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
<b>Front Face Code:</b>	Standard	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Front Shaft Indicator:</b>	None	<b>Winding Thermal 1:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 2:</b>	None

Nameplate NP1256L										
CAT.NO.	L3400									
SPEC.	34C51W20									
HP	.17									
VOLTS	115/230									
AMP	3.8/1.9									
RPM	1725									
FRAME	48				HZ	60			PH	1
SER.F.	1.35		CODE	M	DES	N		CLASS	B	
NEMA-NOM-EFF	49		PF	57						
RATING	40C AMB-CONT									
CC								USABLE AT 208V	2.3	
DE	6203				ODE	6203				
ENCL	TEFC		SN							
	SFA 4.4/2.2									

Parts List		
Part Number	Description	Quantity
SA008586	SA 34C51W20	1.000 EA
RA005033	RA 34C51W20	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
EC1130A02SP	ELEC CAP, 130-156 MFD, 125V, 1.48D X 3.3	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1066	PKG GRP, PRINT PK1001A01	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
34-3900T	C-FACE KIT	A8

**AC Induction Motor Performance Data**

Record # 6851

Typical performance - not guaranteed values

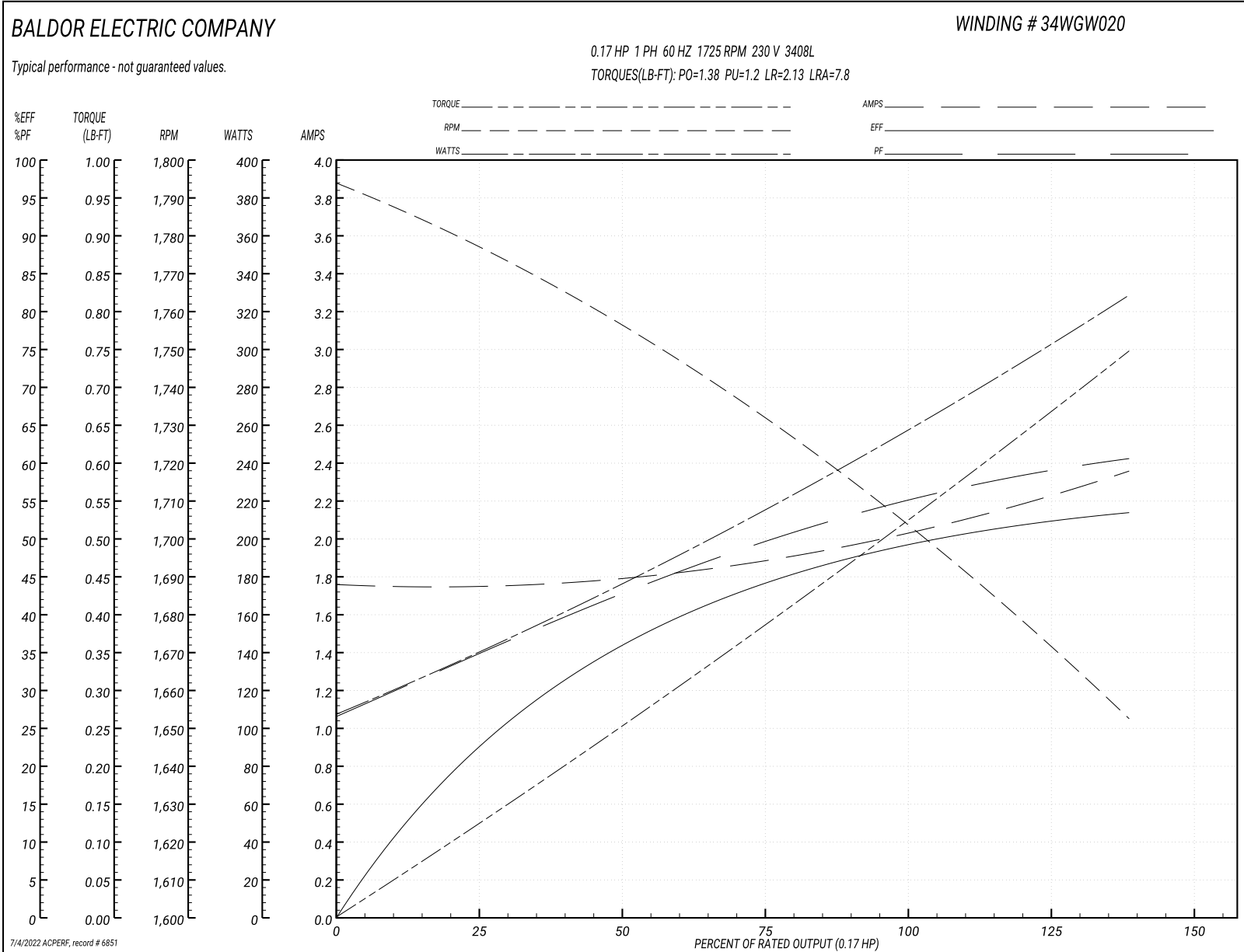
Winding: 34WG020-R001		Type: 3408L	Enclosure: TEFC
<b>Nameplate Data</b>		<b>230 V, 60 Hz: High Voltage Connection</b>	
Rated Output (HP)	.17	Full Load Torque	0.5 LB-FT
Volts	115/230	Start Configuration	direct on line
Full Load Amps	3.8/1.9	Breakdown Torque	1.38 LB-FT
R.P.M.	1725	Pull-up Torque	1.2 LB-FT
Hz	60 Phase 1	Locked-rotor Torque	2.13 LB-FT
NEMA Design Code	N KVA Code M	Starting Current	7.8 A
Service Factor (S.F.)	1.35	No-load Current	1.75 A
NEMA Nom. Eff.	49 Power Factor 57	Line-line Res. @ 25°C	13.7 Ω A Ph 10.8 Ω B Ph
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	50°C
S.F. Amps	4.4/2.2	Temp. Rise @ S.F. Load	61°C

**Load Characteristics 230 V, 60 Hz, 0.17 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	41	49	57	63	69	67
Efficiency	21	35	45	49	52	53	53
Speed	1775	1760	1730	1710	1685	1650	1665
Line amperes	1.75	1.8	1.9	2	2.1	2.4	2.2



Performance Graph at 230V, 60Hz, 0.17HP Typical performance - Not guaranteed values



**AC Induction Motor Performance Data**

Record # 69691

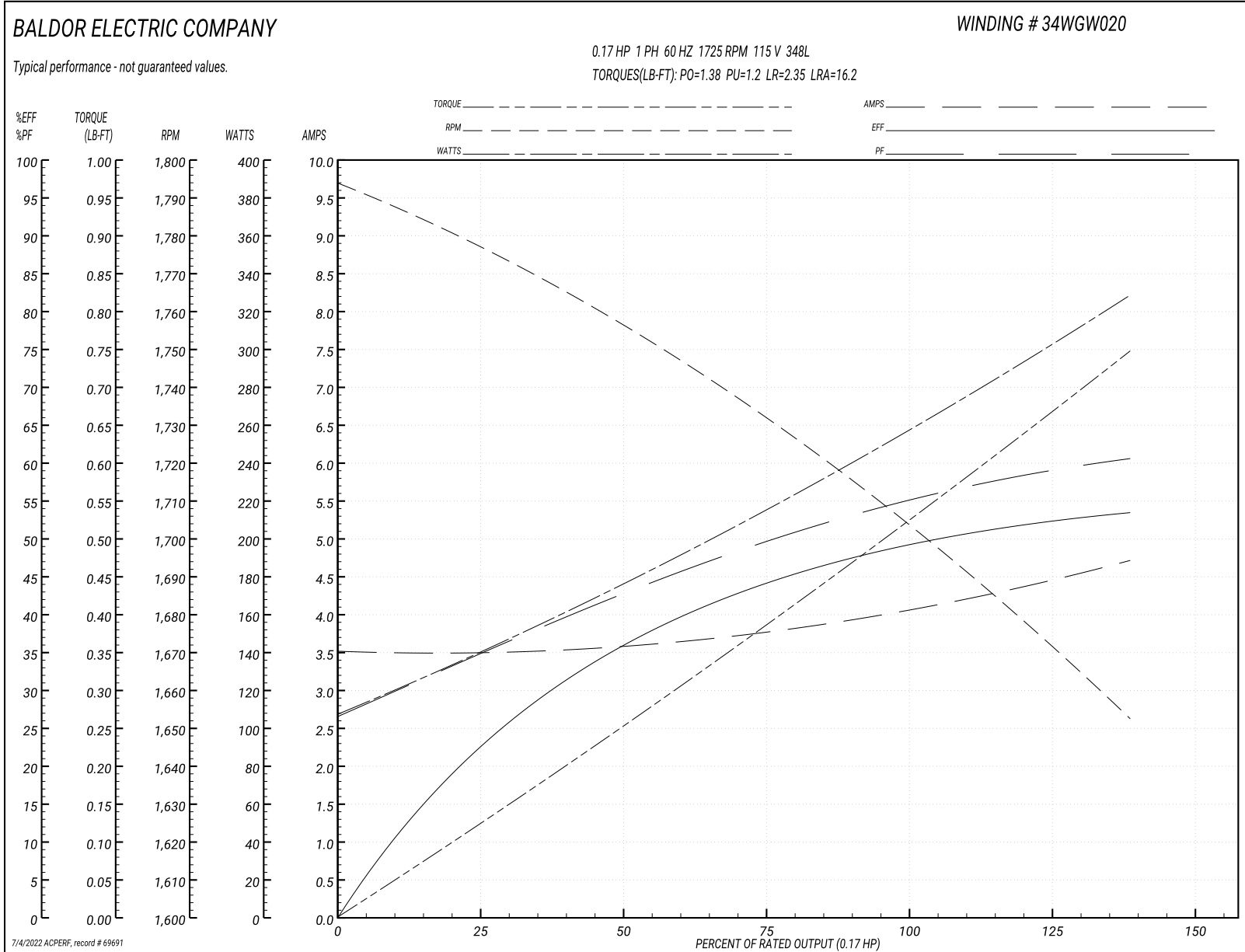
Typical performance - not guaranteed values

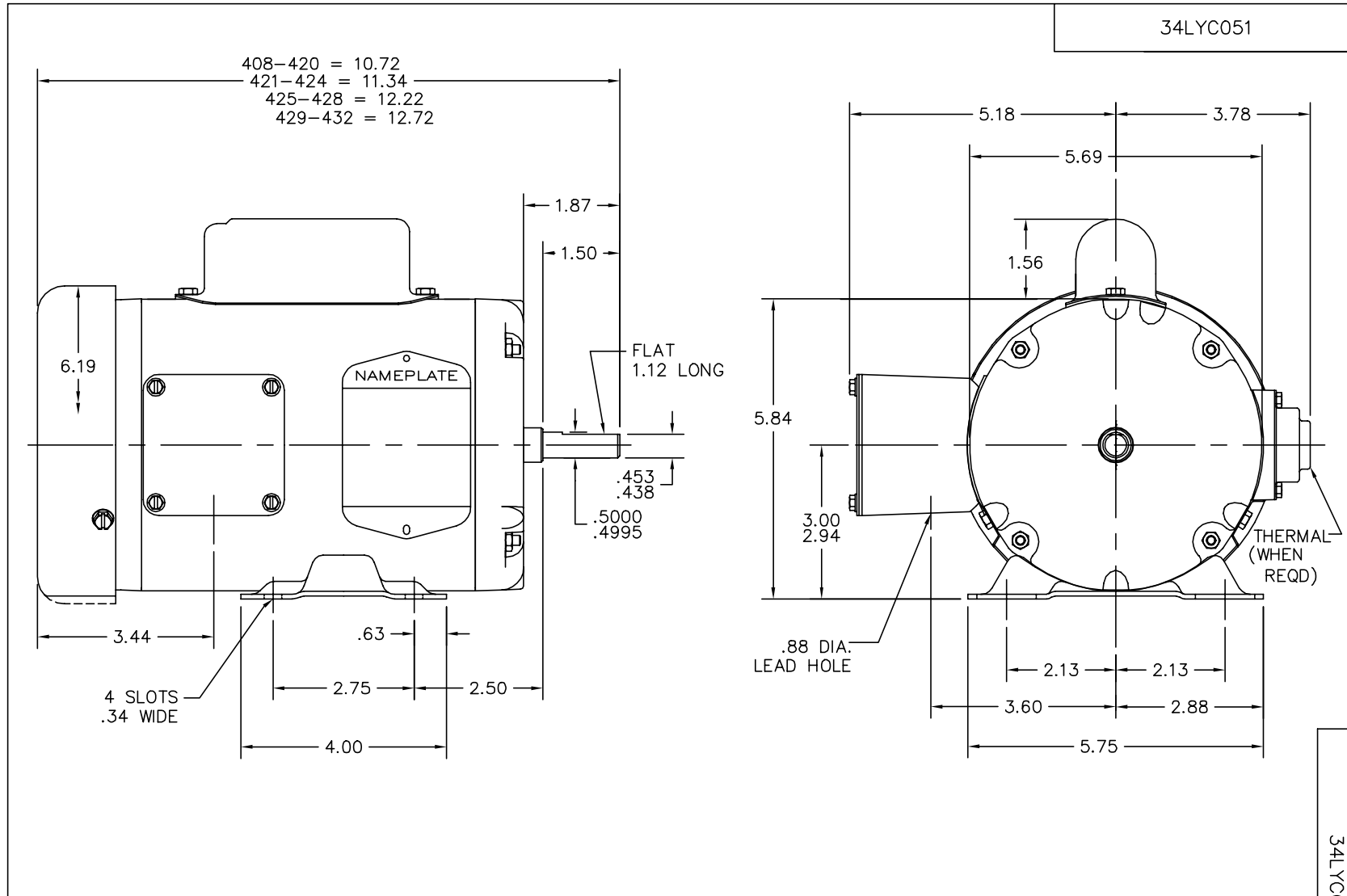
Winding: 34WG020-R001			Type: 348L	Enclosure: TEFC	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>		
Rated Output (HP)	.17		Full Load Torque	0.5 LB-FT	
Volts	115/230		Start Configuration	direct on line	
Full Load Amps	3.8/1.9		Breakdown Torque	1.38 LB-FT	
R.P.M.	1725		Pull-up Torque	1.2 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	2.35 LB-FT	
NEMA Design Code	N KVA Code	M	Starting Current	16.2 A	
Service Factor (S.F.)	1.35		No-load Current	3.5 A	
NEMA Nom. Eff.	49 Power Factor	57	Line-line Res. @ 25°C	3.23 Ω A Ph 10.5 Ω B Ph	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	50°C	
S.F. Amps	4.4/2.2		Temp. Rise @ S.F. Load	58°C	
			Locked-rotor Power Factor	95	
			Rotor inertia	0.019 LB-FT <sup>2</sup>	

**Load Characteristics 115 V, 60 Hz, 0.17 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	43	47	54	60	60	60
Efficiency	21	34.9	44.9	49	51.9	52.9	52.3
Speed	1775	1760	1730	1710	1685	1650	1671
Line amperes	3.5	3.6	3.8	4	4.2	4.8	4.44

Performance Graph at 115V, 60Hz, 0.17HP Typical performance - Not guaranteed values





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE OVERALL LENGTHS		
REV. LTR: L	VERSION: 04	TDR: 000000767401
FILE: \AAA\00025\908		REVISED: 09:00:29 10/02/2012
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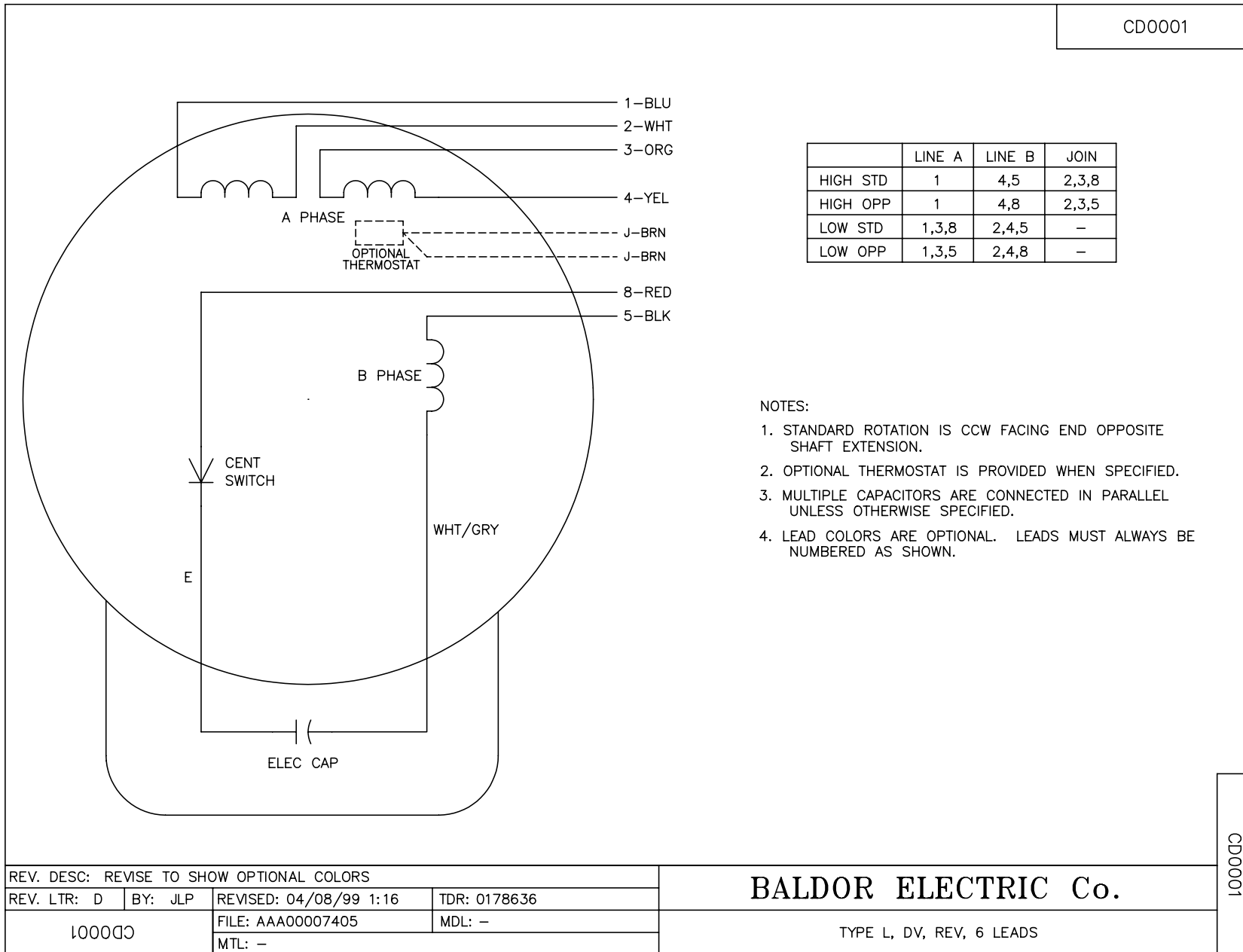
**BALDOR**

STD HORZ MODEL 34L NEMA 48 TEFC

SH 1 of 1

34LYC051

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

CD0001