

# ABB BALDOR RELIANCE III

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## Customer information packet EL3405

.33HP, 3450RPM, 1PH, 60HZ, 48, 3420LC, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	48
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Cap Start, Cap Run
<b>Output @ Frequency</b>	.330 HP @ 60 HZ
<b>Phase</b>	1
<b>Synchronous Speed @ Frequency</b>	3600 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	115.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA EEV CSA UR
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Current @ Voltage</b>	1.600 A @ 230.0 V 1.700 A @ 208.0 V 3.200 A @ 115.0 V
<b>Design Code</b>	N
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	72.0 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Face Code</b>	Standard

**Part Detail**

<b>Revision</b>	P
<b>Type</b>	AC
<b>Mech. spec.</b>	34G374
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	34WGY788
<b>Layout</b>	34LYG374
<b>Eff. date</b>	10-29-2024
<b>CD Diagram</b>	CD0055
<b>Poles</b>	02
<b>Leads</b>	6#18
<b>Proprietary</b>	False
<b>Created date</b>	11-06-2008

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.6 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3420LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	11.35 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.35
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

**Vibration Sensor Indicator**

**No Vibration Sensor**

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**Winding Thermal 1**

**None**

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**Winding Thermal 2**

**None**

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**Nameplate**

<b>NP2116L</b>									
<b>CAT.NO.</b>	EL3405								
<b>SPEC.</b>	34G374Y788G1								
<b>HP</b>	.33								
<b>VOLTS</b>	115/208-230								
<b>AMP</b>	3.2/1.7-1.6								
<b>RPM</b>	3450								
<b>FRAME</b>	48			<b>HZ</b>	60			<b>PH</b>	1
<b>SER.F.</b>	1.35	<b>CODE</b>	L	<b>DES</b>	N	<b>CL</b>	F		
<b>NEMA-NOM-EFF</b>	72	<b>PF</b>	96						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>									
<b>DE</b>	6203	<b>ODE</b>	6203						
<b>ENCL</b>	TEFC	<b>SN</b>							
	SFA 4/2.2-2								

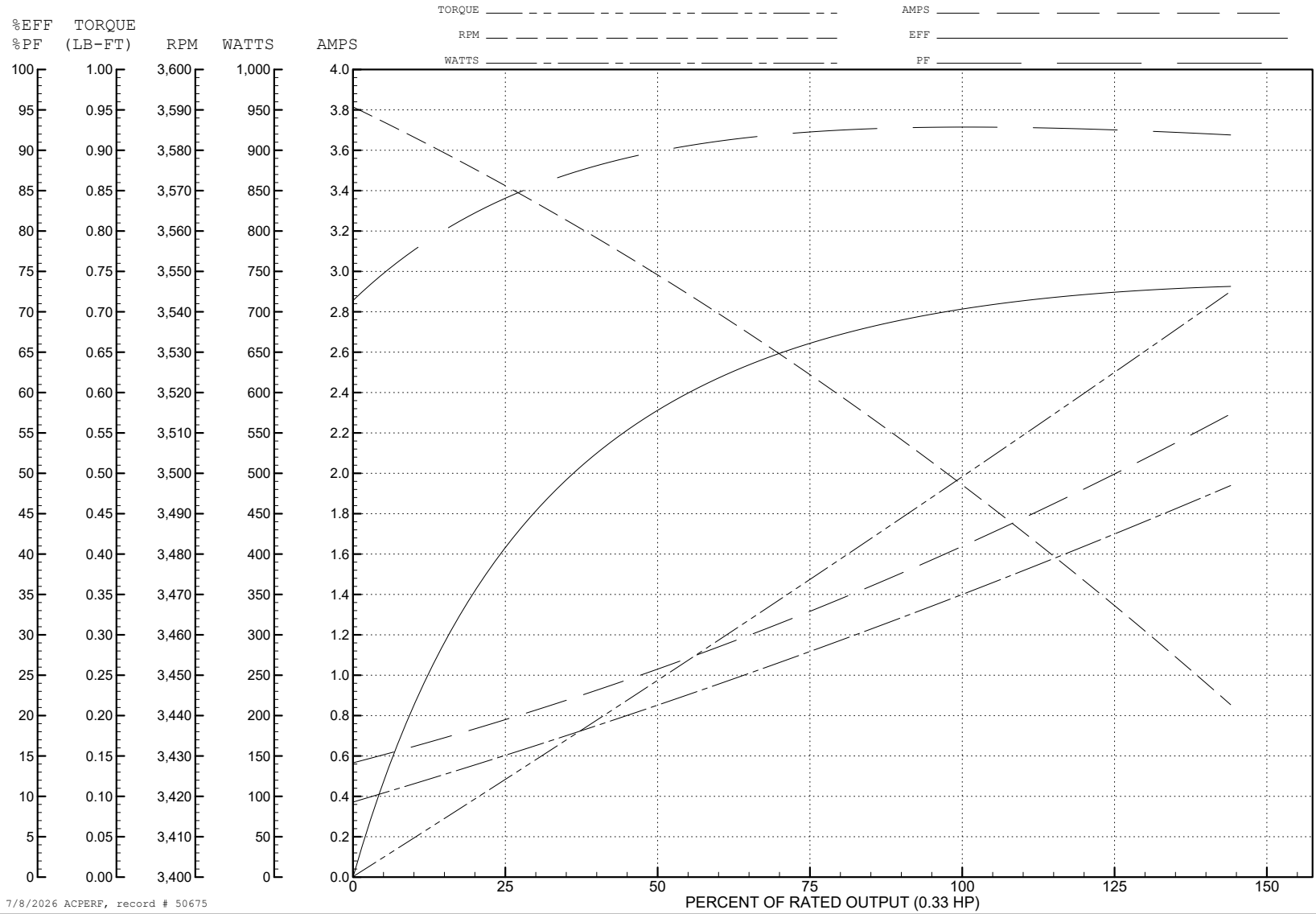
ABB Motors and Mechanical Inc.

WINDING # 34WGY788

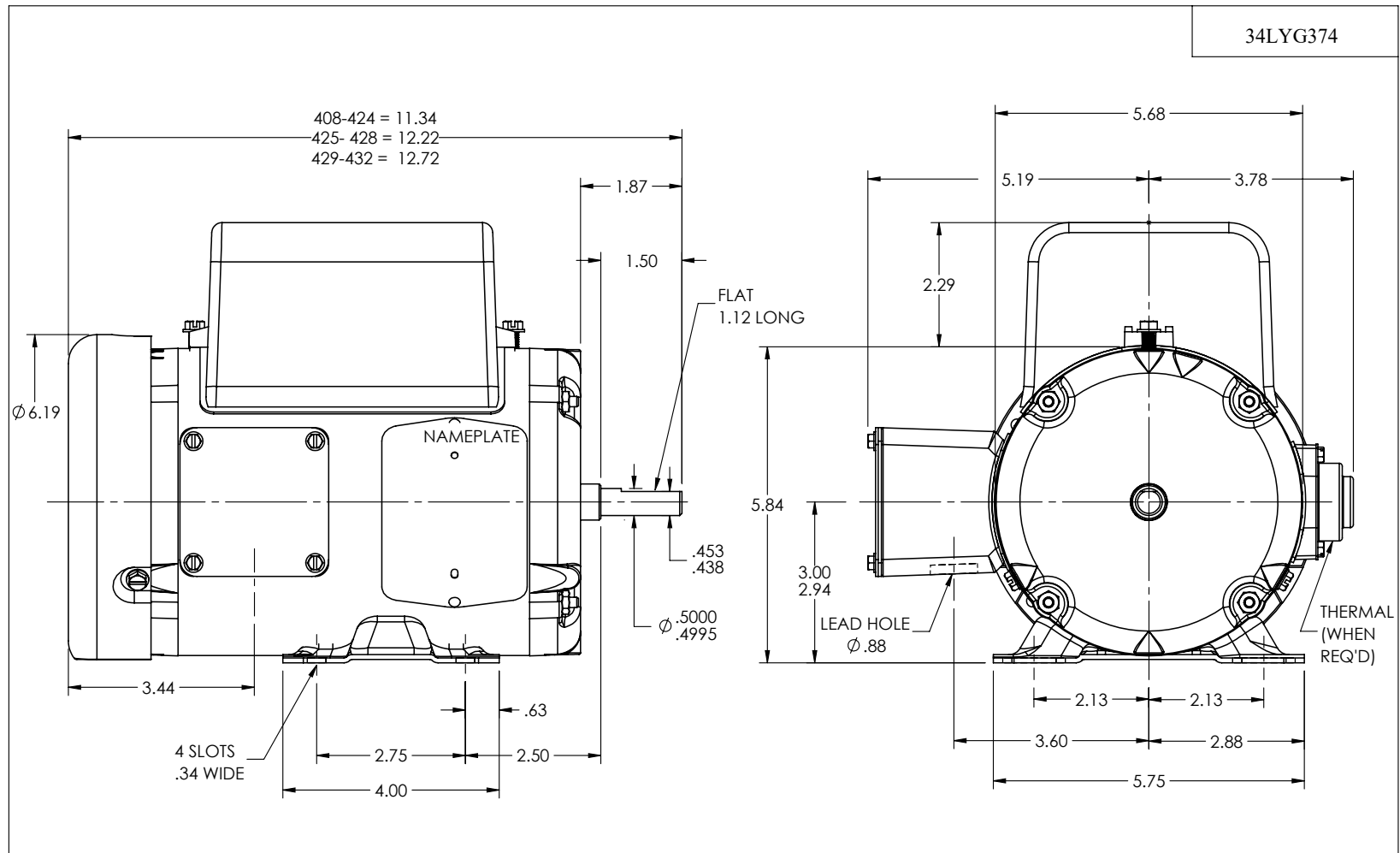
Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 3450 RPM 230 V 3420LC

TORQUES (LB-FT): PO=2.5 PU=1.4 LR=1.8 LRA=14.5



7/8/2026 ACPERF, record # 50675



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

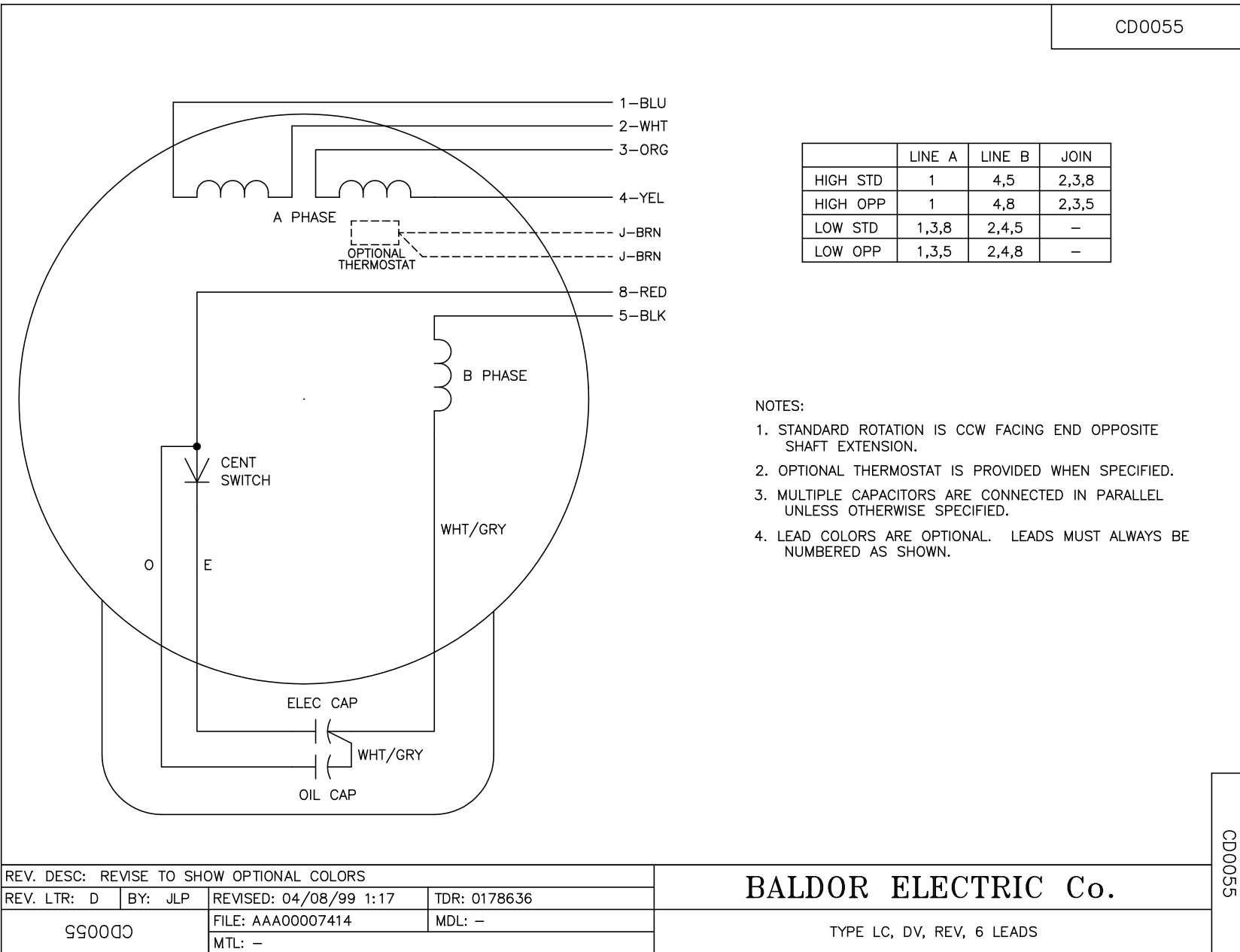
REV. DESC: LOAD TO SOLIDWORKS			
REV: D	VERSION: 03	REVISED: 03:51:27 08/09/2022	TDR: 000001194274
34LYG374	MODEL NO. 34LYG374	BY: ENFRAJ0	REF: -

**BALDOR - RELIANCE®**

HOR 34LC NEMA 48 TEFC

34LYG374

CD0055



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	-
LOW OPP	1,3,5	2,4,8	-

**NOTES:**

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
C00000		FILE: AAA00007414	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE LC, DV, REV, 6 LEADS