

# ABB BALDOR RELIANCE III

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## Customer information packet

L3503-50

.5/KW .37, 2895RPM, 1PH, 50HZ, 56, 3420LC, TEF

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	56
<b>Frame Material</b>	Steel
<b>Frequency</b>	50.00 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>	.370 KW @ 50 HZ
<b>Phase</b>	1
<b>Synchronous Speed @ Frequency</b>	3000 RPM @ 50 HZ
<b>Voltage @ Frequency</b>	110.0 V @ 50 HZ 220.0 V @ 50 HZ
<b>Agency Approvals</b>	C UR US CE CURUS UKCA WEEE
<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>	4.900 A @ 110.0 V 2.450 A @ 220.0 V
<b>Design Code</b>	-
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	69.5 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None

**Part Detail**

<b>Revision</b>	E
<b>Type</b>	AC
<b>Mech. spec.</b>	34G375
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	34WGR747
<b>Layout</b>	34LYG375
<b>Eff. date</b>	10-25-2024
<b>CD Diagram</b>	CD0055
<b>Poles</b>	02
<b>Leads</b>	6#18
<b>Proprietary</b>	False
<b>Created date</b>	02-14-2023

Heater Indicator	No Heater
High Voltage Full Load Amps	2.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
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	11.97 IN
Power Factor	93
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	1.25
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2895 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

**Nameplate**

<b>NP1372L</b>	
<b>CAT.NO.</b>	L3503-50
<b>SPEC.</b>	34G375R747G1
<b>HP</b>	.5/KW .37
<b>VOLTS</b>	110/220
<b>AMP</b>	4.9/2.45
<b>R.P.M. (1/MIN)</b>	2895
<b>FRAME</b>	56 <b>HZ</b> 50 <b>PH</b> 1
<b>SER.F.</b>	1.25 <b>CODE</b> J <b>DES</b> - <b>CL</b> B
<b>NEMA-NOM-EFF</b>	69.5 <b>PF</b> 93
<b>RATING</b>	40C AMB-S1 CONT
<b>CC</b>	IP44 KG12 IC411
<b>DE</b>	6203 <b>ODE</b> 6203
<b>ENCL</b>	TEFC <b>SN</b>
	IE2-50HZ 68(75%),62 (50%)

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
34-171	C FACE KIT	A8

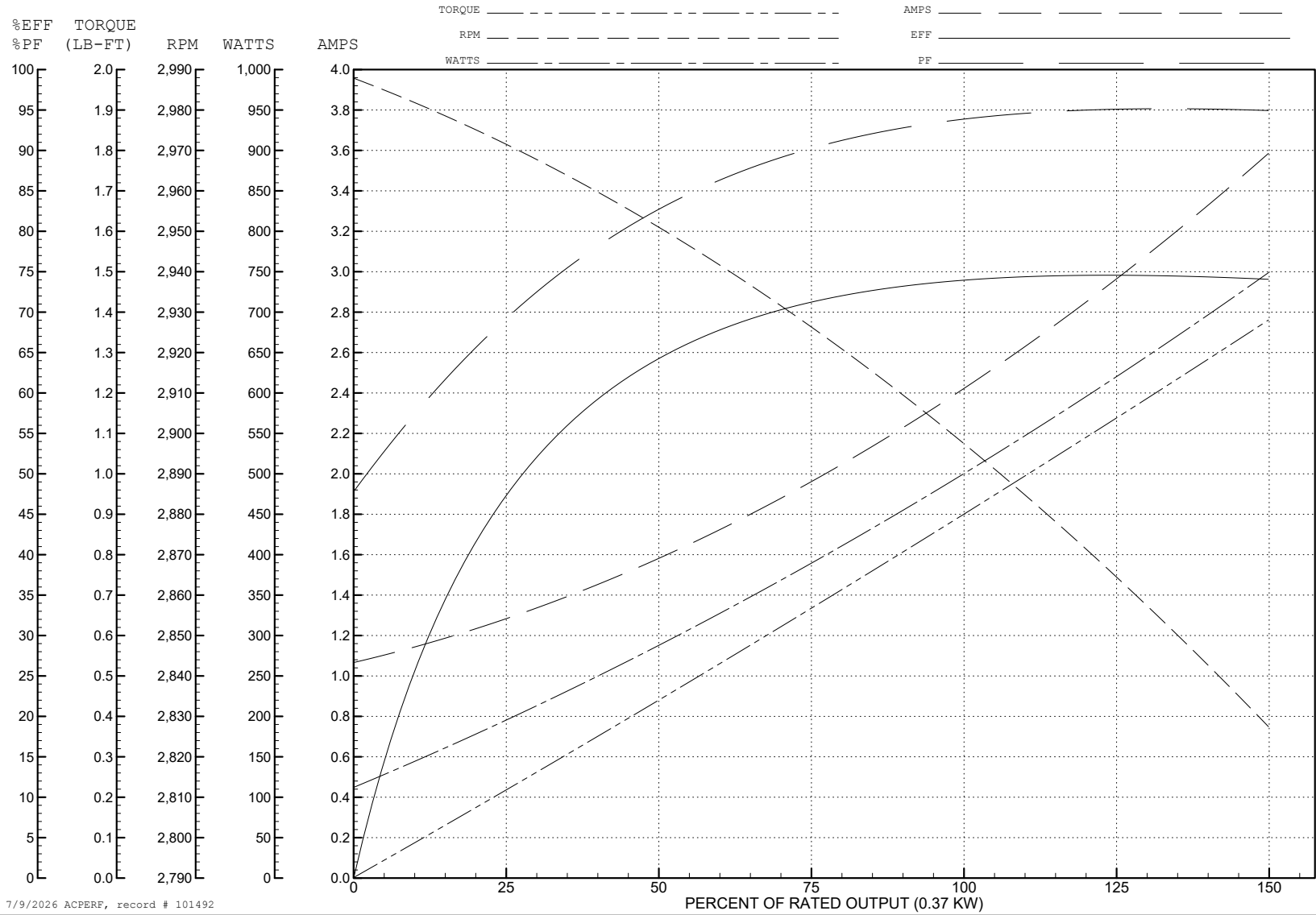
ABB Motors and Mechanical Inc.

WINDING # 34WGR747

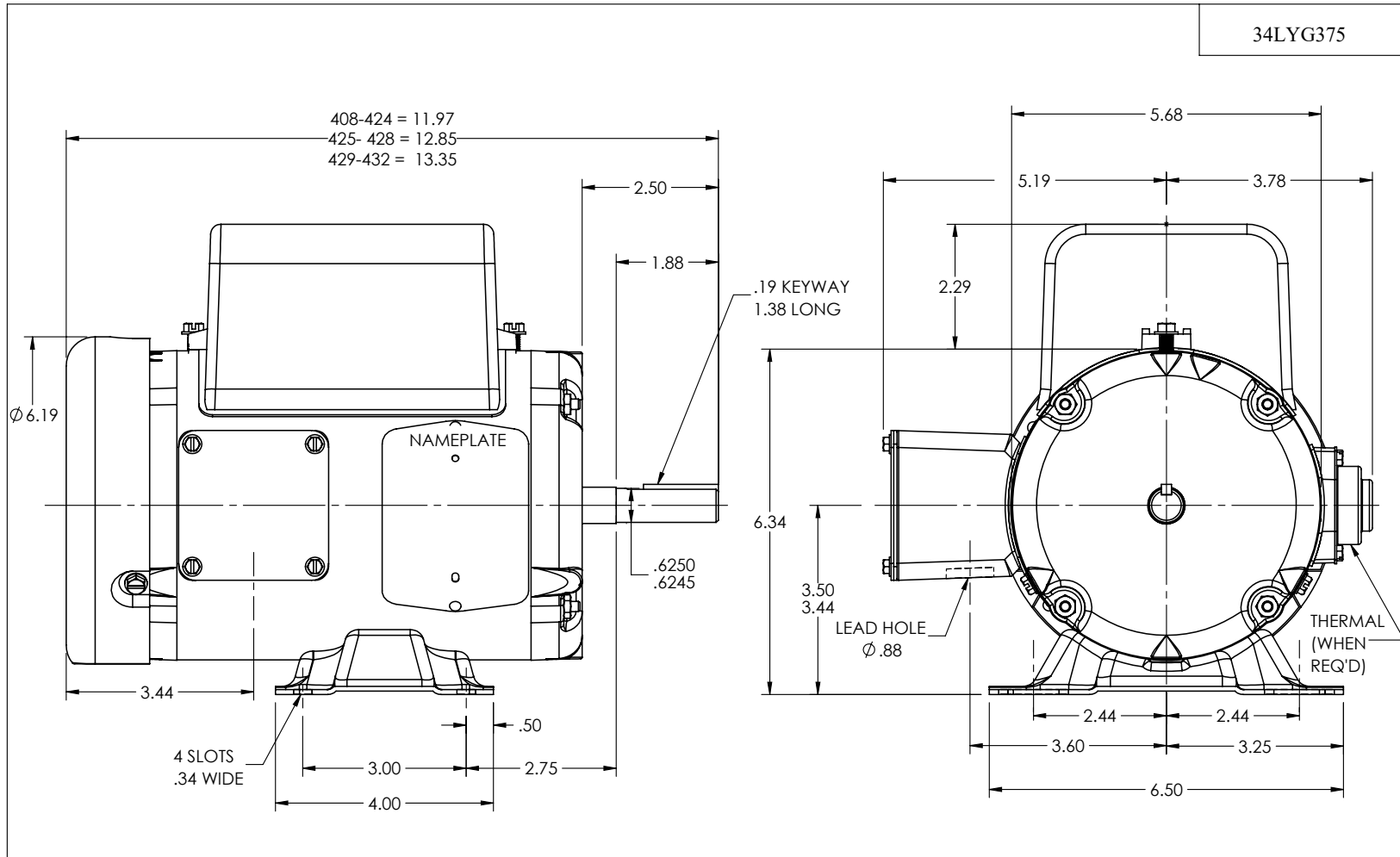
Typical performance - not guaranteed values.

0.37 KW 1 PH 50 HZ 2850 RPM 220 V 3420LC

TORQUES (LB-FT): PO=2.33 PU=1.53 LR=2.74 LRA=18



7/9/2026 ACPERF, record # 101492



34LYG375

34LYG375

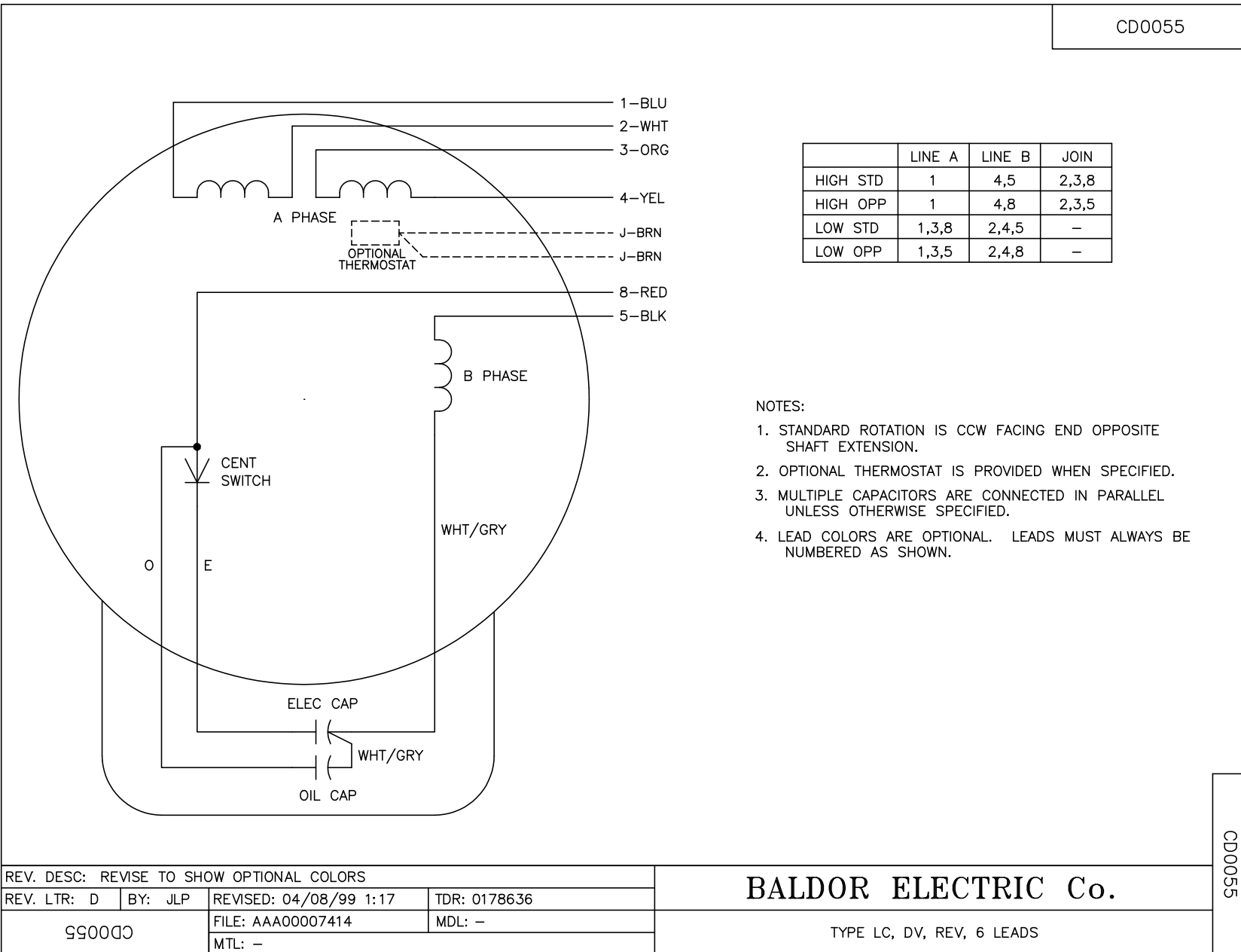
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS			
REV: E	VERSION: 04	REVISED: 03:58:39 08/09/2022	TDR: 000001194274
34LYG375		MODEL NO. 34LYG375	REF: -
		BY: ENFRAJ0	

**BALDOR - RELIANCE®**

HORZ 34LC NEMA 56 TEFC

CD0055



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