

ABB BALDOR RELIANCE III

Customer information packet EL3403

.25HP, 1745RPM, 1PH, 60HZ, 48, 3414LC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	48
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	.250 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	C UR US CSA CURUS CURUSEEV NEMA PREMIUM (OLD LOGO) UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	1.250 A @ 230.0 V 2.500 A @ 115.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part Detail

Revision	AF
Type	AC
Mech. spec.	34G374
Base	
Status	PRD/A
Elec. spec.	34WGW955
Layout	34LYG374
Eff. date	10-29-2024
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	01-01-0001

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	1.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
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	3414LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	11.35 IN
Power Factor	89
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	1745 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

NP2116L	
CAT.NO.	EL3403
SPEC.	34G374W955G1
HP	.25
VOLTS	115/230
AMP	2.5/1.25
RPM	1745
FRAME	48 HZ 60 PH 1
SER.F.	1.35 CODE K DES - CL F
NEMA-NOM-EFF	74 PF 89
RATING	40C AMB-CONT
CC	
DE	6203 ODE 6203
ENCL	TEFC SN SFA 3.2/1.6

Accessories

Part number	Description	Multiplier
34-3900T	C-FACE KIT	A8

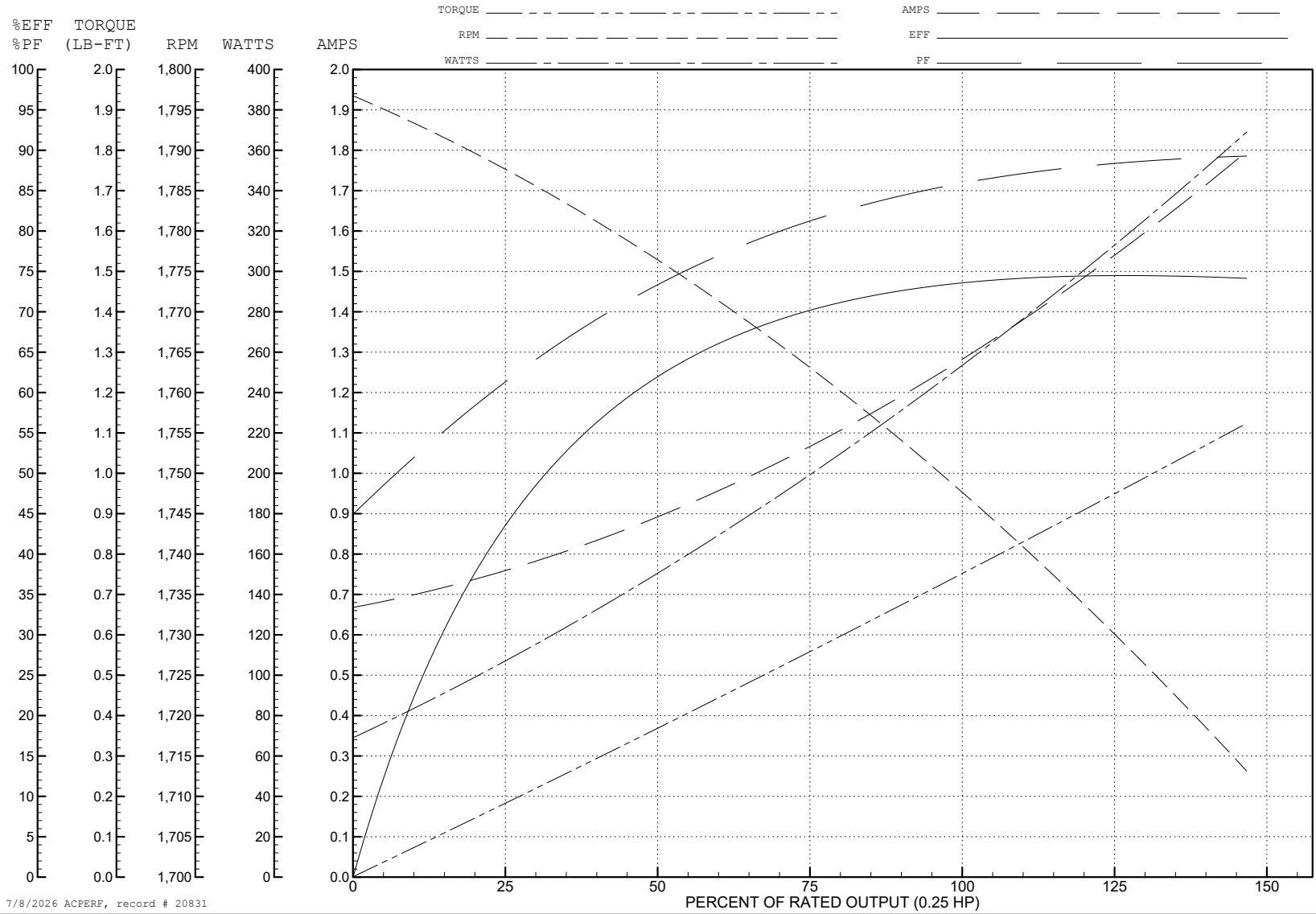
ABB Motors and Mechanical Inc.

WINDING # 34WGW955

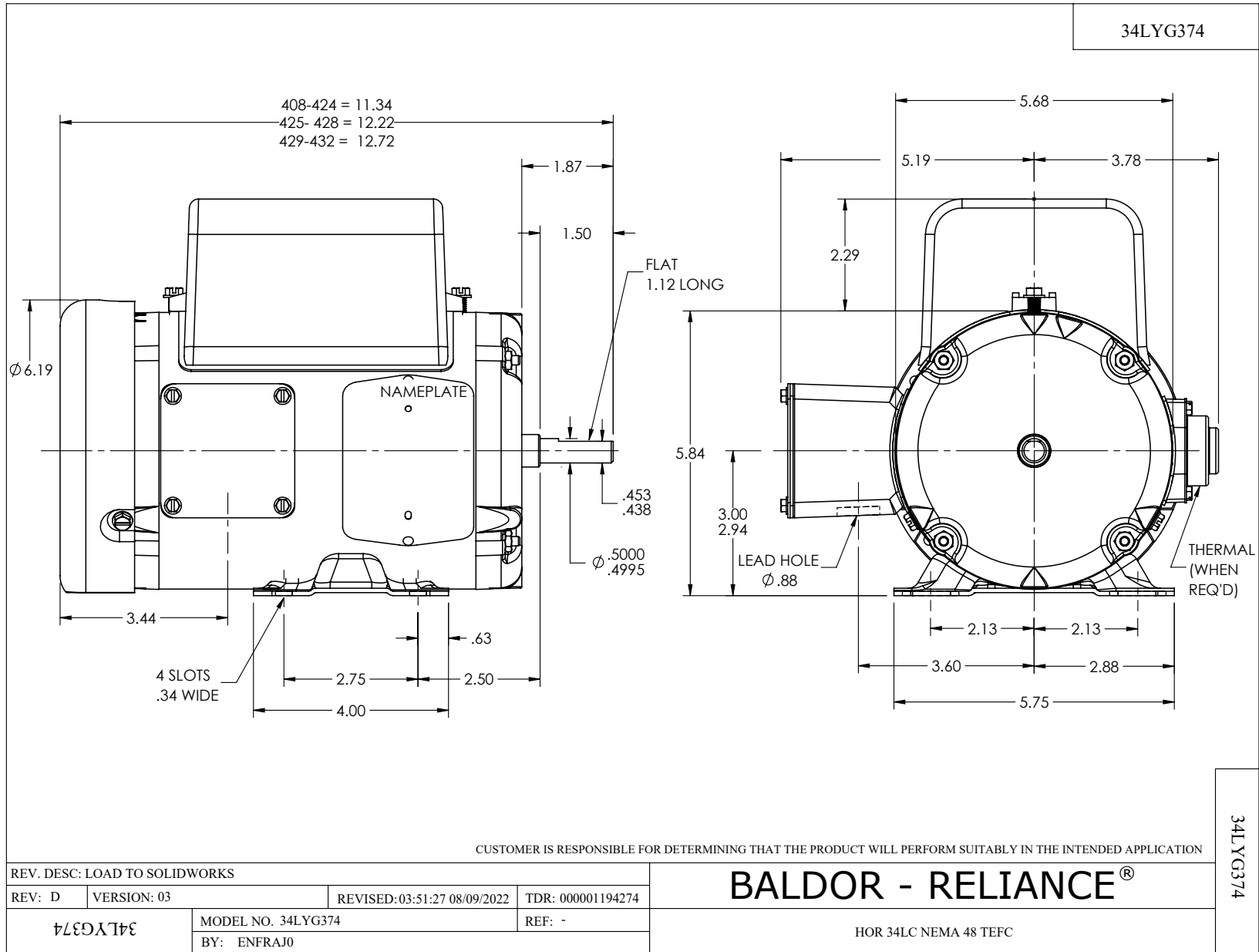
0.25 HP 1 PH 60 HZ 1745 RPM 230 V 3414LC

Typical performance - not guaranteed values.

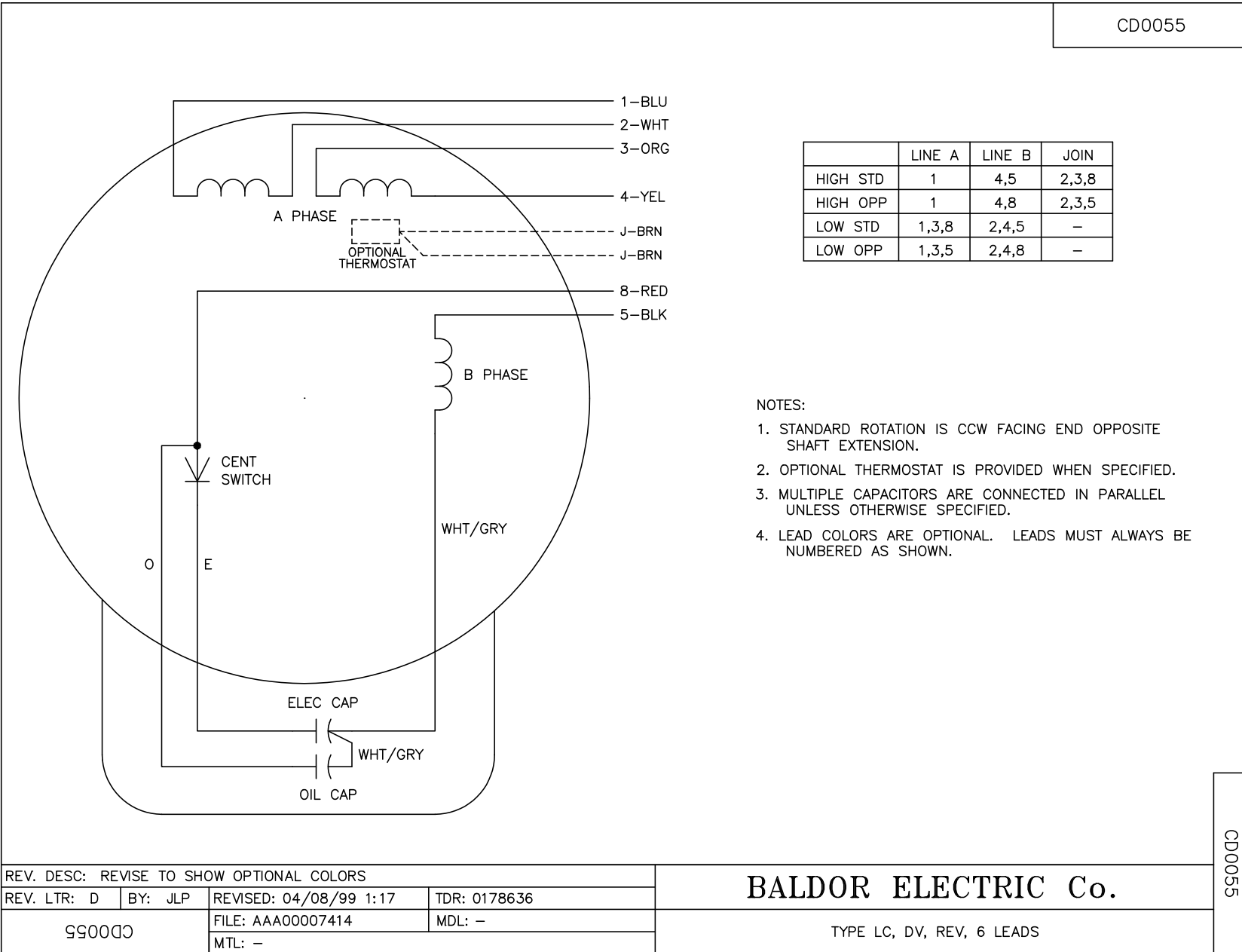
TORQUES (LB-FT): PO=1.9 PU=1.7 LR=2.4 LRA=9.1



7/8/2026 ACPERF, record # 20831



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