

# **ABB BALDOR RELIANCE III**



## **Customer information packet**

1409W

40M 4P GRINDER

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7/5/2026 6:13:33 AM

**Specifications**

<b>Enclosure</b>	TENV
<b>Frame Material</b>	Steel
<b>Frequency</b>	50.00 Hz 60.00 Hz 50.00 Hz 60.00 Hz
<b>Motor Letter Type</b>	Three Phase
<b>Nameplate Output</b>	7.5
<b>Number of Poles</b>	4 4
<b>Output @ Frequency</b>	7.500 HP @ 50 HZ 7.500 HP @ 60 HZ
<b>Phase</b>	3 3
<b>Shaft Diameter</b>	1.250 IN 1.250 IN
<b>Speed</b>	1500 rpm 1800 rpm 1500 rpm 1800 rpm
<b>Synchronous Speed @ Frequency</b>	1500 RPM @ 50 HZ
<b>Voltage</b>	575 V
<b>Voltage @ Frequency</b>	575.0 V @ 60 HZ 575.0 V @ 50 HZ
<b>Agency Approvals</b>	CSA
<b>Ambient Temperature</b>	40 °C
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Current @ Voltage</b>	8.000 A @ 575.0 V
<b>Design Code</b>	B
<b>Duty Rating</b>	CONT
<b>Feedback Device</b>	NO FEEDBACK

**Part Detail**

<b>Revision</b>	E
<b>Type</b>	AC
<b>Mech. spec.</b>	G14-116
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	G4WG0120
<b>Layout</b>	G4LY0116
<b>Eff. date</b>	06-05-2026
<b>CD Diagram</b>	CD0252
<b>Poles</b>	04
<b>Leads</b>	3#14
<b>Proprietary</b>	False
<b>Created date</b>	11-20-2020

<b>Insulation Class</b>	B
<b>KVA Code</b>	H
<b>Motor Lead Quantity/Wire Size</b>	3 @ 14 AWG
<b>Motor Standards</b>	Other
<b>Motor Type</b>	3740M
<b>Mounting Arrangement</b>	F1
<b>Overall Length</b>	37.39 IN
<b>Product Family</b>	Grinder
<b>Service Factor</b>	1.00
<b>Shaft Rotation</b>	Phase Seq-Opp Std Rot (CWOE)
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Winding</b>	None
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP3412L</b>			
<b>CAT.NO.</b>	1409W		
<b>HP</b>	7.5	<b>VOLTS</b>	575
<b>PHASE</b>	3	<b>AMPS</b>	8
<b>HZ</b>	50//60	<b>RPM</b>	1500//1800
<b>SER.NO</b>			
<b>SPEC.</b>	G14-116A-0120		
<b>BLANK</b>			

**Accessories**

<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
GA20	PEDESTAL INDUSTRIAL, CAST IRON 8"-14"	A8
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
B147	14" 30 GRIT GRINDING WHEEL	A8
B148	14" 46 GRIT GRINDING WHEEL	A8
DC14-3	DUST CONTROL FOR 14 IN GRINDER	A8

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WINDING # G4WG0120

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1763 RPM 575 V G1440M

TORQUES (LB-FT): PO=50.6 PU=20 LR=25.5 LRA=31.5

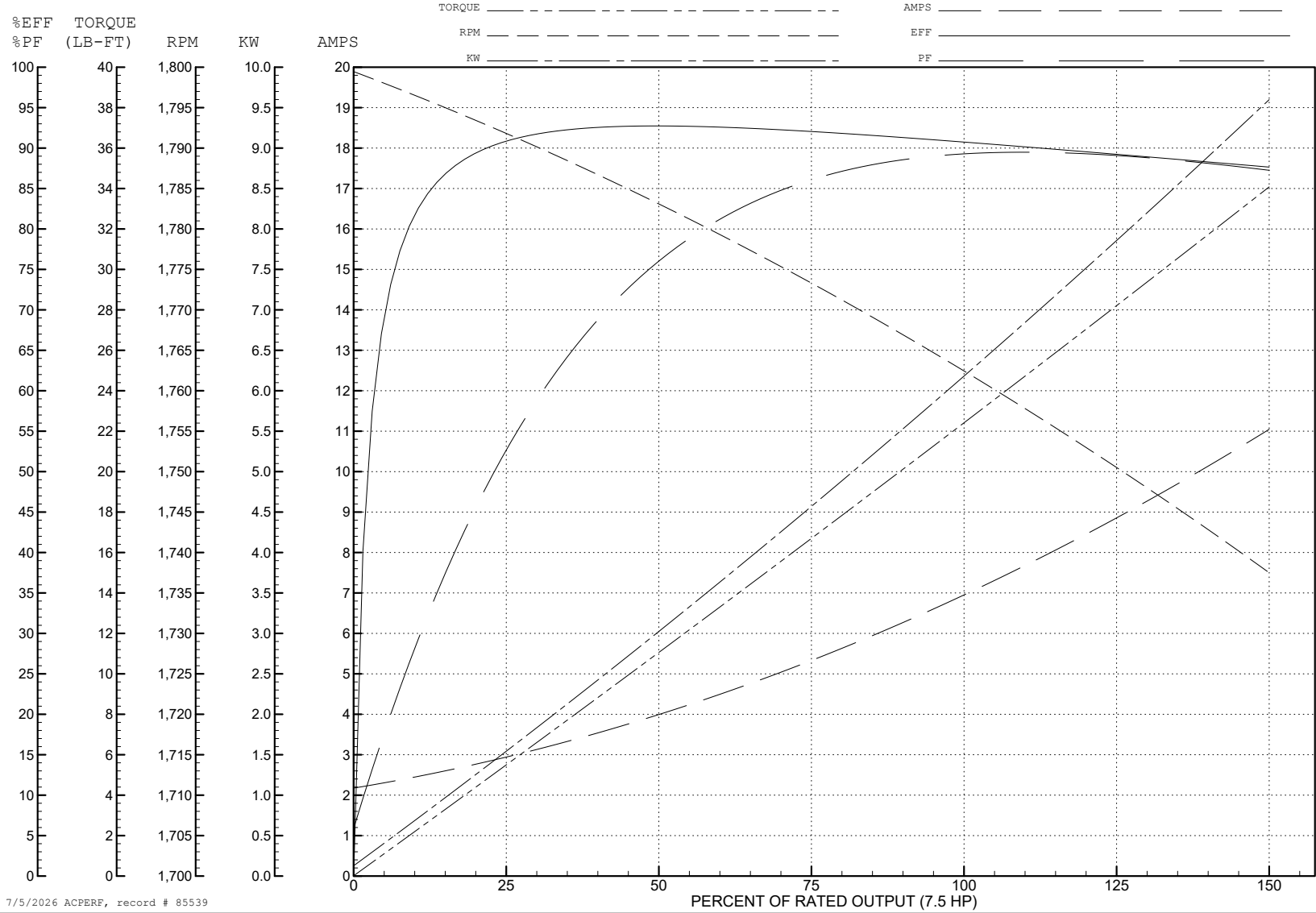


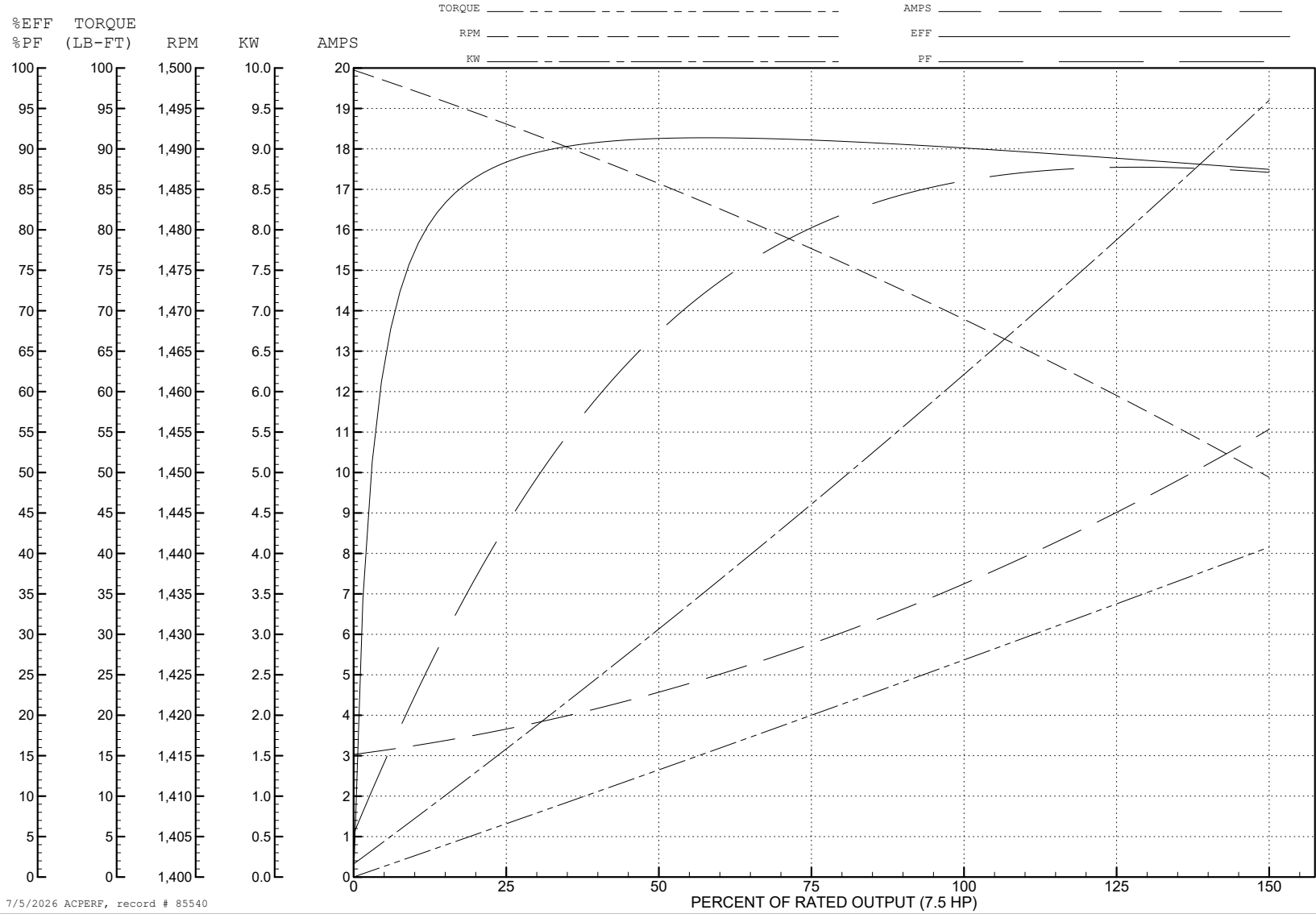
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WINDING # G4WG0120

Typical performance - not guaranteed values.

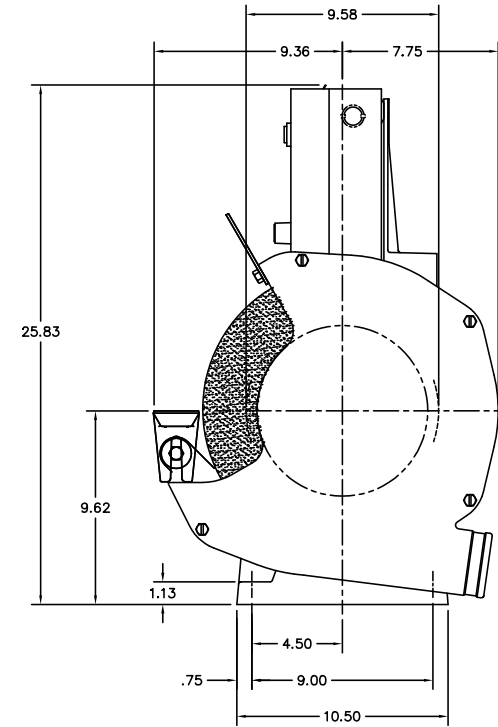
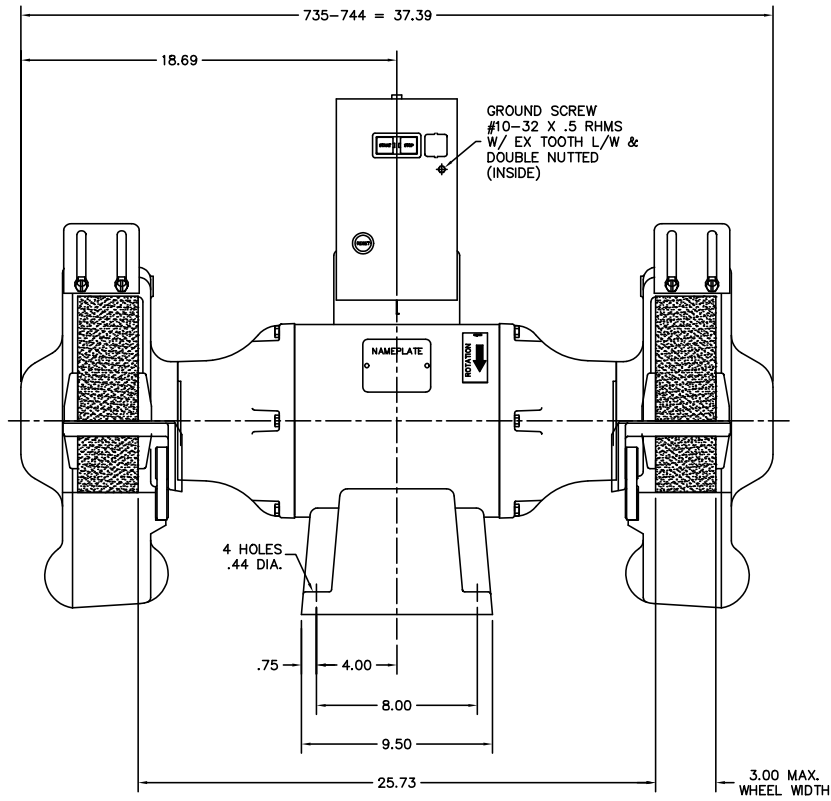
7.5 HP 3 PH 50 HZ 1469 RPM 575 V G1440M

TORQUES (LB-FT): PO=71.2 PU=20 LR=39.8 LRA=37.7



7/5/2026 ACPERF, record # 85540

G4LY0116

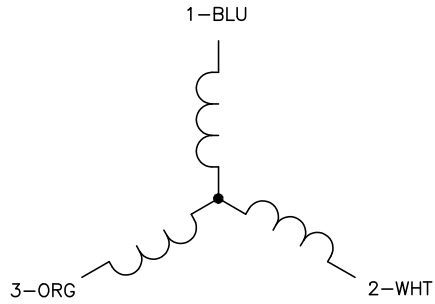


CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL		AMB	
H.P.	MTG	TYPE	R.P.M.	VOLTS		ENCL	PHASE	FREQ	FRAME		
REV. DESC: MOVED STARTER BOX TO CENTER OF MOTOR						<b>BALDOR ELECTRIC Co.</b>					
REV. LTR: A	BY: JD	REVISED: 01/07/00 1:55	TDR: 0199019								
FILE: AAA00066297				MDL: -		STD 14" GRINDER 37 W/REAR EXHAUST & 'GE' MAGNETIC STARTER					
MTL: -											

G4LY0116

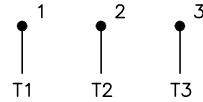
CD0252

MOTOR



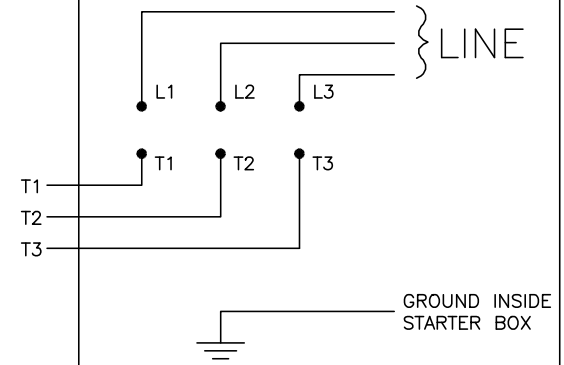
- NOTES:
1. GROUND BASE TO BAND.
  2. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

STARTER BRACKET CONDUIT BOX



NOTE:  
THE MOTOR VOLTAGE IS MATCHED TO THE MAGNETIC STARTER.

STARTER



NOTE:  
INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

CD0252

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: B	BY: EAH	REVISED: 05/05/99 10:02	TDR: 0179909
CD0252		FILE: AAA00051767	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, SV, 3 LEAD, GRINDER OR BUFFER W/MAGNETIC STARTER

