

ABB BALDOR RELIANCE III

Customer information packet 1407W

7.5HP, 1500/1800RPM, 3PH, 50/60HZ, 3744M

Specifications

Enclosure	TENV
Frame Material	Steel
Frequency	50.00 Hz
	60.00 Hz
	50.00 Hz
	60.00 Hz
Motor Letter Type	Three Phase
Nameplate Output	7.5
Number of Poles	4
	4
Output @ Frequency	7.500 HP @ 60 HZ
	7.500 HP @ 50 HZ
Phase	3
	3
Product Style	GRINDER
Speed	1500 rpm
	1800 rpm
	1500 rpm
	1800 rpm
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage	208 V
	230 V
	460 V
Voltage @ Frequency	460.0 V @ 60 HZ
	460.0 V @ 50 HZ
	208.0 V @ 50 HZ
	208.0 V @ 60 HZ
	230.0 V @ 50 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
Ambient Temperature	40 °C
Base Indicator	Rigid

Part Detail

Revision	AD
Type	AC
Mech. spec.	G14-116
Base	
Status	PRD/A
Elec. spec.	G4WG0037
Layout	G4LY0116
Eff. date	06-05-2026
CD Diagram	CD0258
Poles	04
Leads	9#14
Proprietary	False
Created date	01-01-0001

Current @ Voltage

22.000 A @ 208.0 V

10.000 A @ 230.0 V

Design Code	B
Duty Rating	CONT
Insulation Class	B
KVA Code	H
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Standards	Other
Motor Type	3744M
Mounting Arrangement	F1
Product Family	Grinder
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Phase Seq-Opp Std Rot (CWOE)
Speed Code	Single Speed
Starting Method	Direct on line

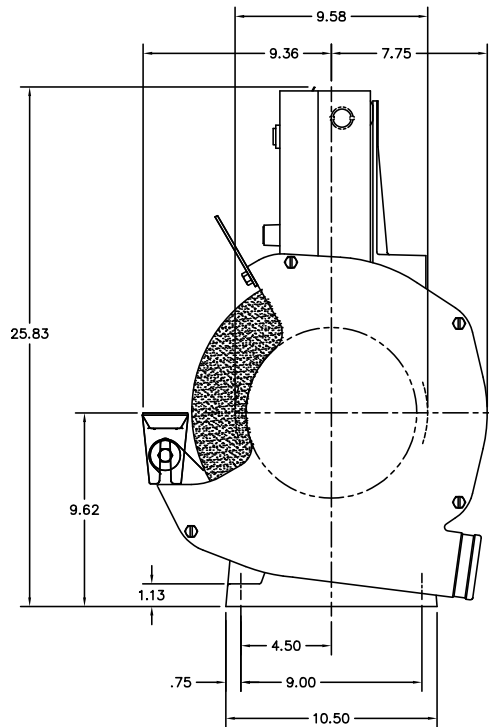
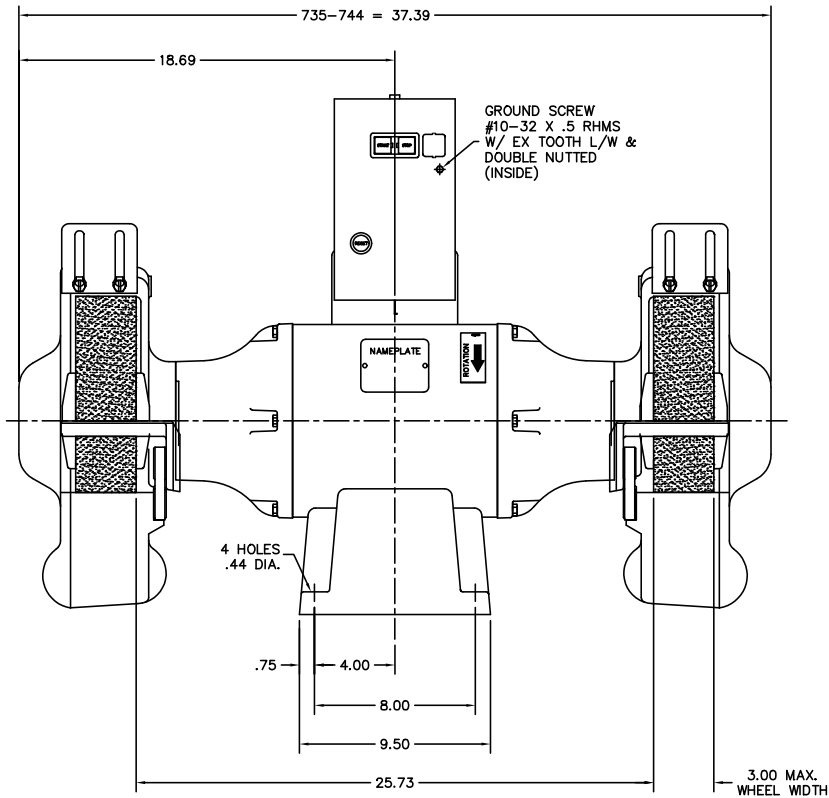
Nameplate

NP3412L			
CAT.NO.	1407W		
HP	7.5	VOLTS	230
PHASE	3	AMPS	20
HZ	50//60	RPM	1500//1800
SER.NO			
SPEC.	G14-116B-0037G1		
BLANK			

Accessories

Part number	Description	Multiplier
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

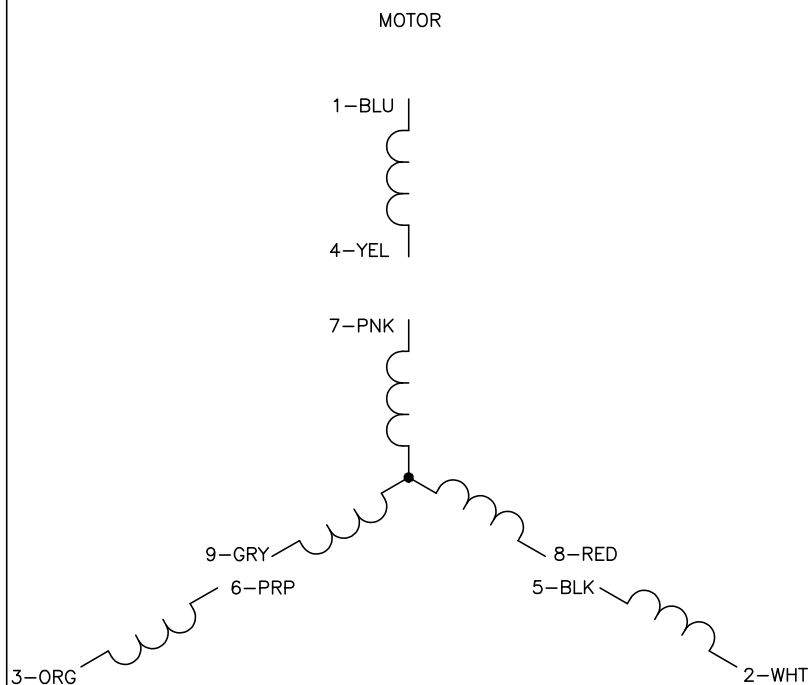
G4LY0116



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						BALDOR ELECTRIC Co.				
REV. LTR: A		BY: JD	REVISED: 01/07/00 1:55		TDR: 0199019					
FILE: AAA00066297				MDL: -						
MTL: -						STD 14" GRINDER 37 W/REAR EXHAUST & 'GE' MAGNETIC STARTER				

G4LY0116

CD0258

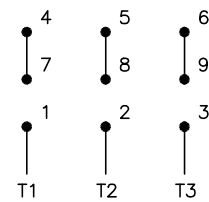


NOTES:

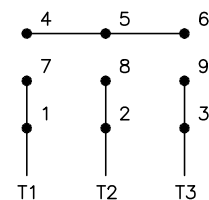
1. GROUND BASE TO BAND.
2. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

STARTER BRACKET CONDUIT BOX

HIGH VOLTAGE



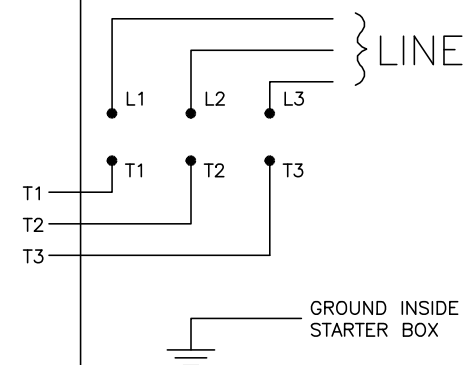
LOW VOLTAGE



NOTE:

THE MOTOR IS FACTORY CONNECTED FOR THE SAME VOLTAGE AS THE MAGNETIC STARTER. A MAGNETIC STARTER FOR THE PROPER VOLTAGE EQUIPPED WITH THE CORRECT HEATER ELEMENTS WILL BE NEEDED FOR A VOLTAGE CONNECTION CHANGE.

STARTER



NOTE:

INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: EAH	REVISED: 05/05/99 11:35	TDR: 0179909
892000		FILE: AAA00051260	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEAD, GRINDER OR BUFFER W/MAGNETIC STARTER

CD0258

