ABB BALDOR RELIANCE

Customer information packet

1407W

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

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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 (CWODE)
Speed Code	Single Speed
Starting Method	Direct on line

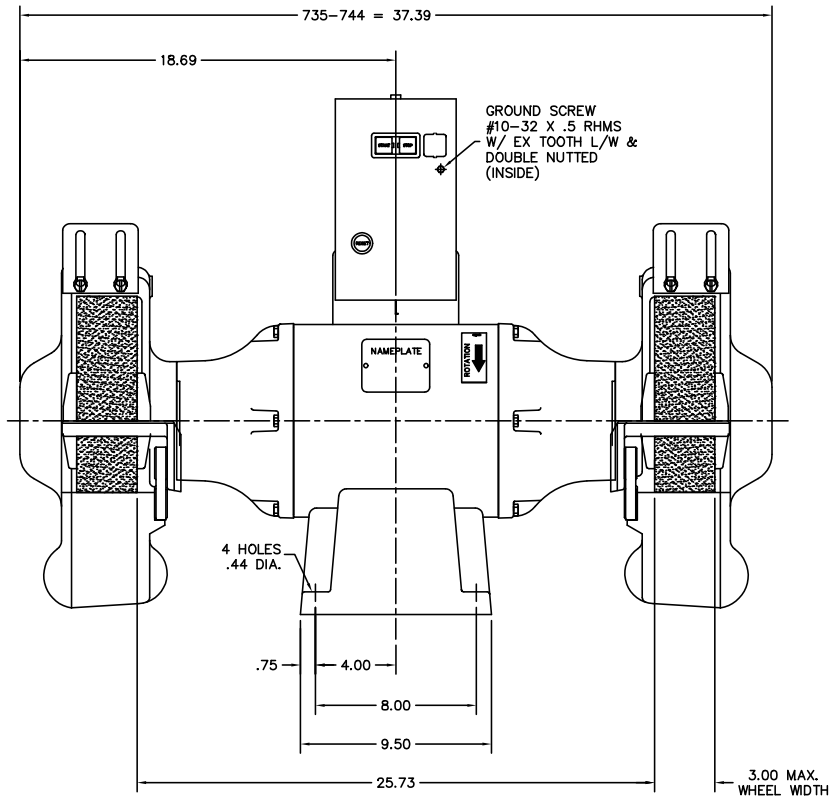
Nameplate

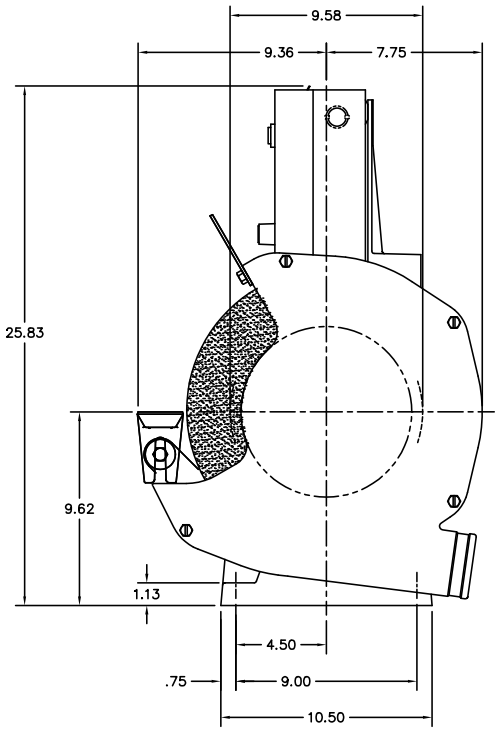
NP3412L			
CAT.NO.	1407W		
HP	7.5	**VOLTS**	230
PHASE	3	**AMPS**	20
HZ	50//60	**RPM**	1500//1800
SER.NO			
SPEC.	G14-116B-0037G1		
BLANK			

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					
REV. LTR: A	BY: JD	REVISED: 01/07/00 1:55	TDR: 0199019		
FILE: AAA00066297			MDL: –		
MTL: –					

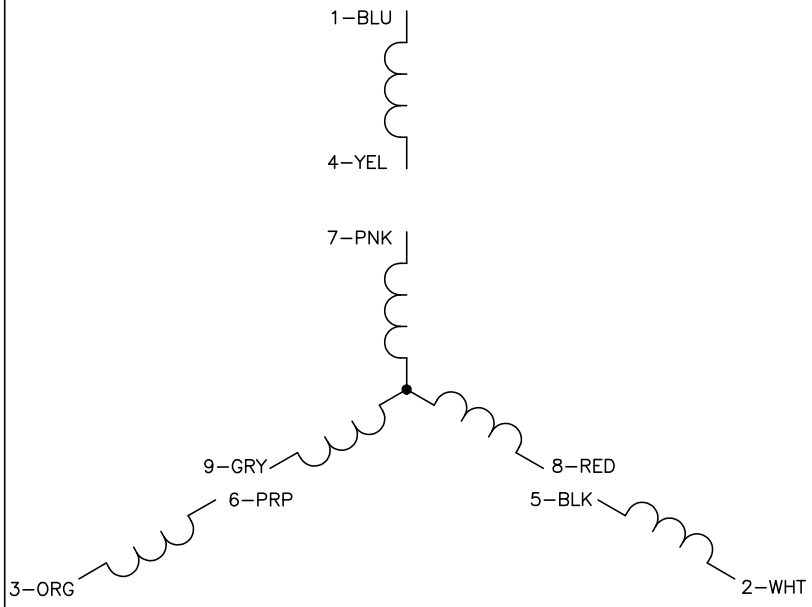
BALDOR ELECTRIC Co.

STD 14" GRINDER 37 W/REAR EXHAUST & 'GE' MAGNETIC STARTER

G4LY0116

CD0258

MOTOR

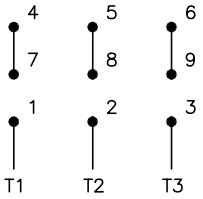


NOTES:

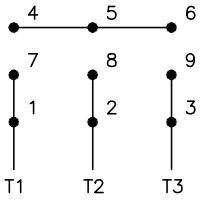
1. GROUND BASE TO BAND.
2. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

STARTER BRACKET CONDUIT BOX

HIGH VOLTAGE



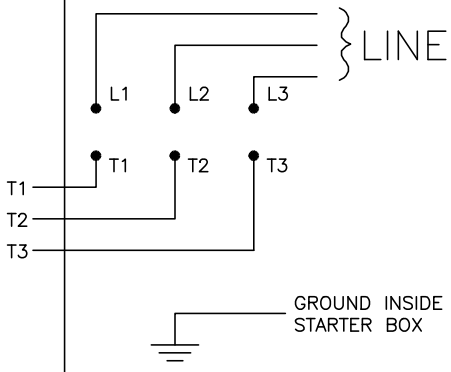
LOW VOLTAGE



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

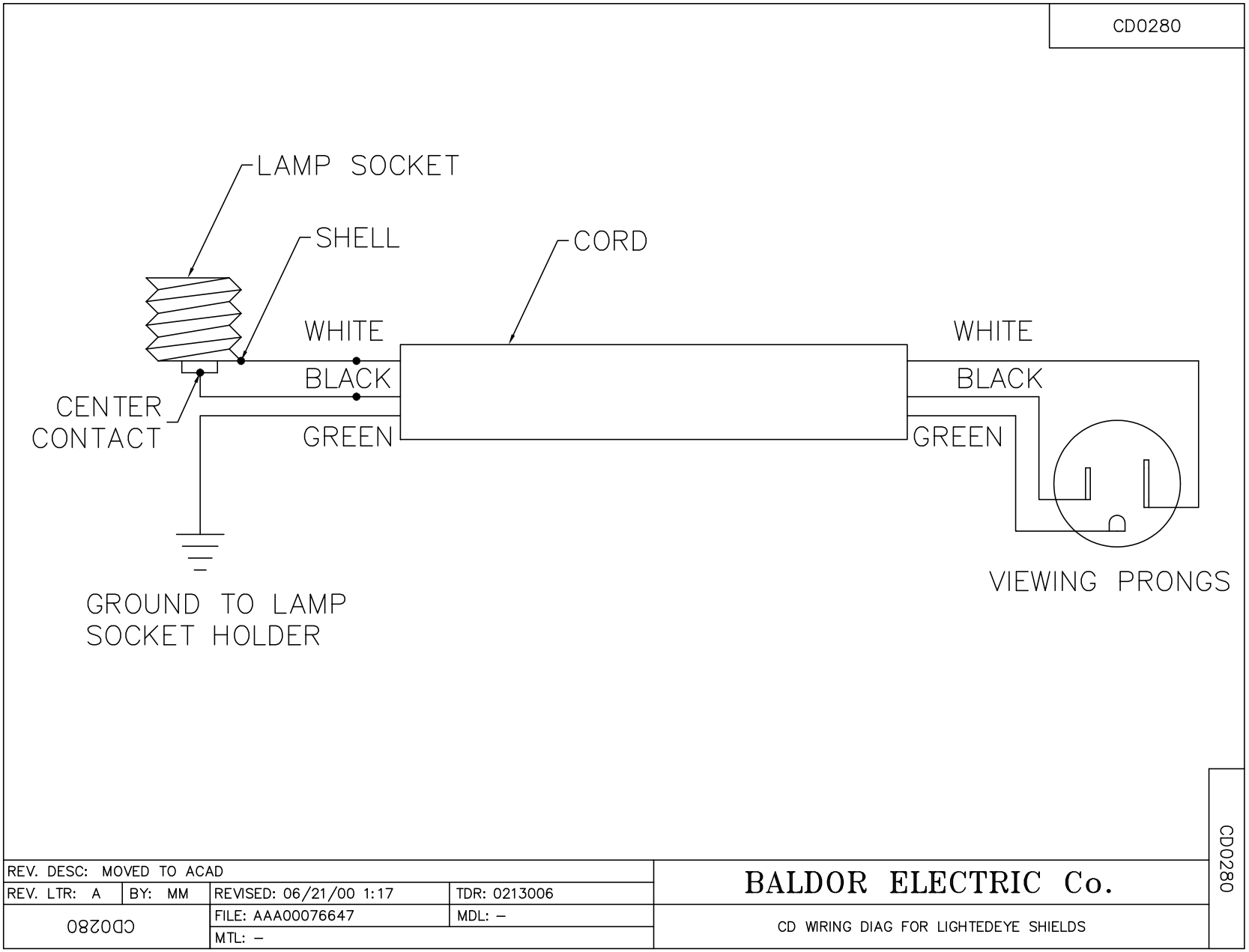


NOTE:

INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

CD0258

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: EAH	REVISED: 05/05/99 11:35	TDR: 0179909
CD0258		FILE: AAA00051260	MDL: –
		MTL: –	3PH, DV, 9 LEAD, GRINDER OR BUFFER W/MAGNETIC STARTER


CD0280
LAMP SOCKET
SHELL
CORD
WHITE
BLACK
GREEN
CENTER CONTACT
WHITE
BLACK
GREEN
GROUND TO LAMP SOCKET HOLDER
VIEWING PRONGS
CD0280
REV. DESC: MOVED TO ACAD
REV. LTR: A
BY: MM
REVISED: 06/21/00 1:17
TDR: 0213006
FILE: AAA00076647
MDL: –
MTL: –
CD0280
BALDOR ELECTRIC Co.
CD WIRING DIAG FOR LIGHTEDEYE SHIELDS