ABB BALDOR RELIANCE

Customer information packet

7312D

.5/.3HP, 3600/1800RPM, 1PH, 60HZ, 3428LC

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Specifications

Enclosure	GRND
Frame Material	Steel
Frequency	60.00 Hz
	60.00 Hz
Motor Letter Type	Cap Start, Cap Run
Nameplate Output	.5/.3
Number of Poles	2
	4
	2
	4
Output @ Frequency	.500 HP @ 60 HZ
Phase	1
	1
Product Style	GRINDER
Speed	1800 rpm
	3600 rpm
	1800 rpm
	3600 rpm
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage	115 V
Voltage @ Frequency	115.0 V @ 60 HZ
Agency Approvals	UR
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	5.000 A @ 115.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Standards	Other

Part Detail

Revision	AD
Type	AC
Mech. spec.	G7-0395
Base	
Status	PRD/A
Elec. spec.	G7WG0108
Layout	G7LY0395
Eff. date	06-23-2023
CD Diagram	CD0354
Poles	02/04
Leads	6#18
Proprietary	False
Created date	01-01-0001

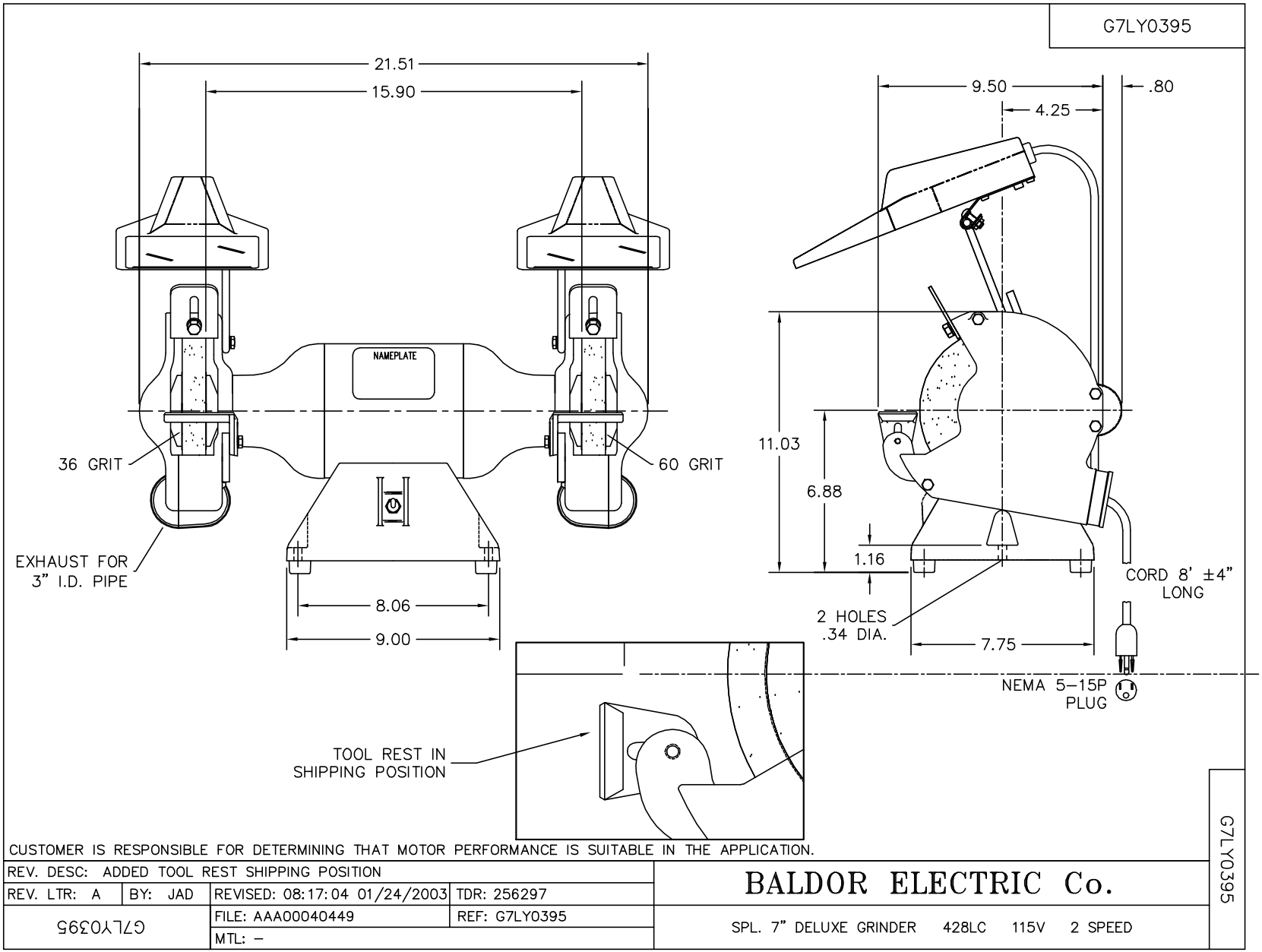
Motor Type	3428LC
Mounting Arrangement	F1
Overall Length	21.51 IN
Product Family	Grinder
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	1Ph 2 Speed Pole Changing
Starting Method	Direct on line
Thermal Device - Winding	None

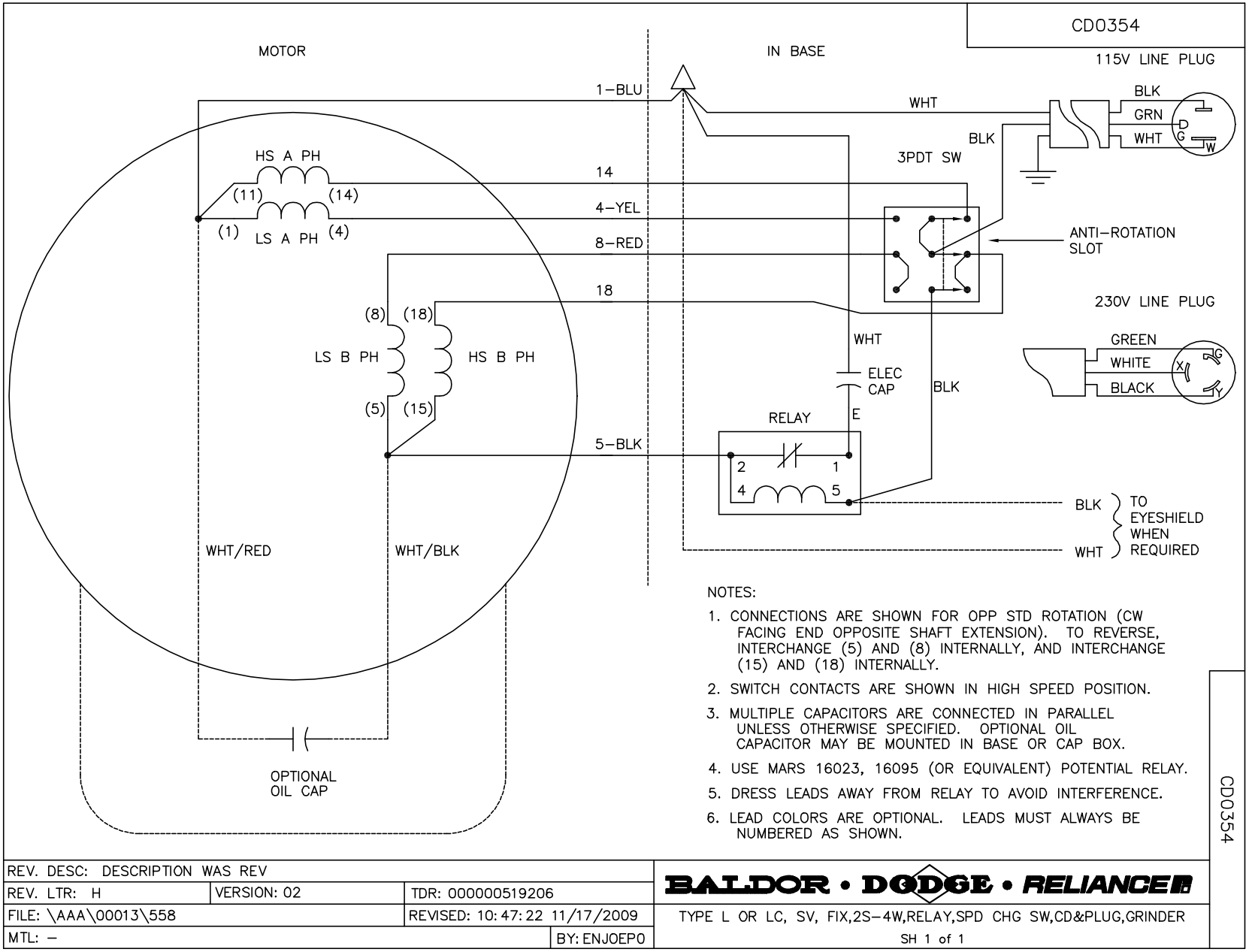
Nameplate

NP3118			
CAT.NO.	7312D		
HP	.5/.3	**VOLTS**	115
PHASE	1	**AMPS**	5/3.6
HZ	60	**RPM**	3600/1800
SER.NO			
SPEC.	G7-0395-0108		

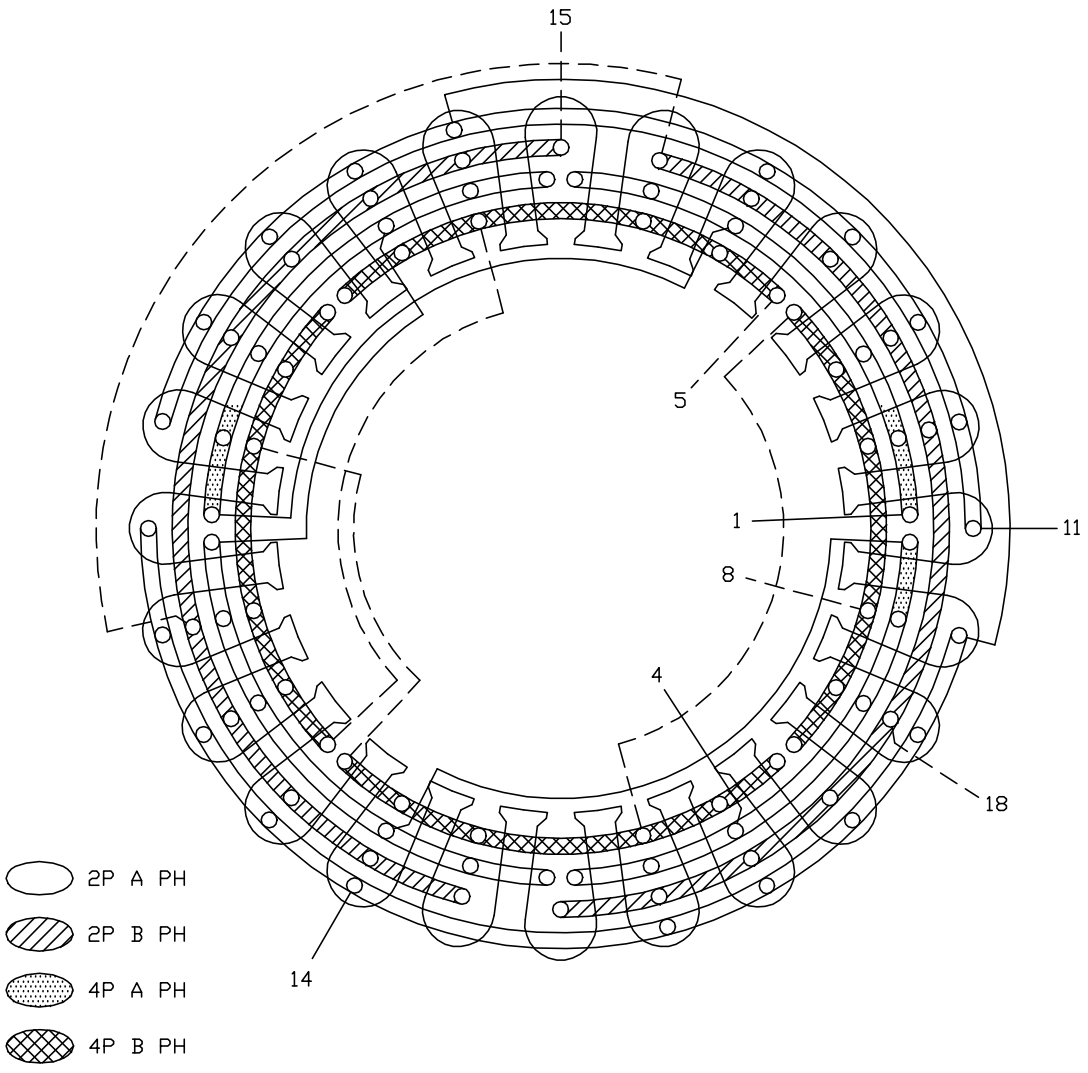
Accessories

Part number	Description	Multiplier
GA16E	PEDESTAL LIGHT INDUSTRIAL,STEEL	A8
GA16	PEDESTAL INDUSTRIAL, CAST IRON 6" - 10"	A8
GA14	PEDESTAL FABRICATED STEEL W/SHELVES	A8
B73	7" 36 GRIT GRINDING WHEEL	A8
B74	7" 60 GRIT GRINDING WHEEL	A8
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
BQ1-015-CC	1PH Brake, NEMA 1,110-125 VAC, 50/60Hz	P1
BQ1-015-CP	1PH Brake, Panel 110-125 VAC, 50/60 Hz	
DC7	DUST CONTROL UNIT	A8


G7LY0395
21.51
15.90
NAMEPLATE
36 GRIT
60 GRIT
EXHAUST FOR
3" I.D. PIPE
8.06
9.00
9.50
4.25
.80
11.03
6.88
1.16
2 HOLES
.34 DIA.
7.75
CORD 8' ±4"
LONG
NEMA 5–15P
PLUG
TOOL REST IN
SHIPPING POSITION
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.
REV. DESC: ADDED TOOL REST SHIPPING POSITION
REV. LTR: A
BY: JAD
REVISED: 08:17:04 01/24/2003
TDR: 256297
FILE: AAA00040449
REF: G7LY0395
MTL: –
BALDOR ELECTRIC Co.
SPL. 7" DELUXE GRINDER 428LC 115V 2 SPEED
G7LY0395


CD0354
MOTOR
IN BASE
115V LINE PLUG
1–BLU
WHT
BLK
GRN
WHT
D
G
W
BLK
3PDT SW
HS A PH
(11)
(14)
14
4–YEL
(1)
LS A PH
(4)
8–RED
ANTI–ROTATION SLOT
18
230V LINE PLUG
(8)
(18)
LS B PH
HS B PH
WHT
GREEN
WHITE
BLACK
G
X
Y
ELEC CAP
BLK
(5)
(15)
RELAY
E
5–BLK
2
1
4
5
BLK
TO EYESHIELD WHEN REQUIRED
WHT
WHT/RED
WHT/BLK
OPTIONAL OIL CAP
NOTES:
1. CONNECTIONS ARE SHOWN FOR OPP STD ROTATION (CW FACING END OPPOSITE SHAFT EXTENSION). TO REVERSE, INTERCHANGE (5) AND (8) INTERNALLY, AND INTERCHANGE (15) AND (18) INTERNALLY.
2. SWITCH CONTACTS ARE SHOWN IN HIGH SPEED POSITION.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED. OPTIONAL OIL CAPACITOR MAY BE MOUNTED IN BASE OR CAP BOX.
4. USE MARS 16023, 16095 (OR EQUIVALENT) POTENTIAL RELAY.
5. DRESS LEADS AWAY FROM RELAY TO AVOID INTERFERENCE.
6. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
CD0354
REV. DESC: DESCRIPTION WAS REV
REV. LTR: H
VERSION: 02
TDR: 000000519206
FILE: \AAA\00013\558
REVISED: 10:47:22 11/17/2009
MTL: –
BY: ENJOEP0
BALDOR • DODGE • RELIANCE
TYPE L OR LC, SV, FIX,2S–4W,RELAY,SPD CHG SW,CD&PLUG,GRINDER
SH 1 of 1

CS0601



NOTES:

1. LOCATION OF COILS IN SLOT IS SHOWN FOR REFERENCE. SEE ELECTRICAL SPEC FOR ACTUAL SLOT LOCATIONS.

CS0601

REV. DESC: NO CHANGE MADE			BALDOR • DODGE • RELIANCE
REV. LTR: C	VERSION: 01	TDR: 000000457908	
CS0601	FILE: \AAA\00022\482	REVISED: 10:19:52 03/04/2008	1PH, 2/4P, 24S, CONC, SV, 8 LD, SERIES CONNECTION
	MTL: –	BY: ENDOUS0	SH 1 of 1