ABB BALDOR RELIANCE

Customer information packet

712E

.5HP, 3600RPM, 1PH, 60HZ, 3420C, GRND

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11/18/2026 7:47:00 PM

Specifications

Enclosure	GRND
Frame Material	Steel
Frequency	60.00 Hz
	60.00 Hz
Motor Letter Type	Oil Capacitor Start and Run
Nameplate Output	.5
Number of Poles	2
	2
Output @ Frequency	.500 HP @ 60 HZ
Phase	1
	1
Product Style	GRINDER
Speed	3600 rpm
	3600 rpm
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage	115 V
Voltage @ Frequency	115.0 V @ 60 HZ
Agency Approvals	CSA
Ambient Temperature	40 °C
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	3.400 A @ 115.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
Insulation Class	B
KVA Code	-
Motor Lead Quantity/Wire Size	4 @ 18 AWG
Motor Standards	Other
Motor Type	3420C
Mounting Arrangement	F1
Overall Length	20.89 IN

Part Detail

Revision	BD
Type	AC
Mech. spec.	G7-301
Base	
Status	PRD/A
Elec. spec.	G7WG0030
Layout	G7LY0301
Eff. date	06-23-2023
CD Diagram	CD0121
Poles	02
Leads	4#18
Proprietary	False
Created date	01-01-0001

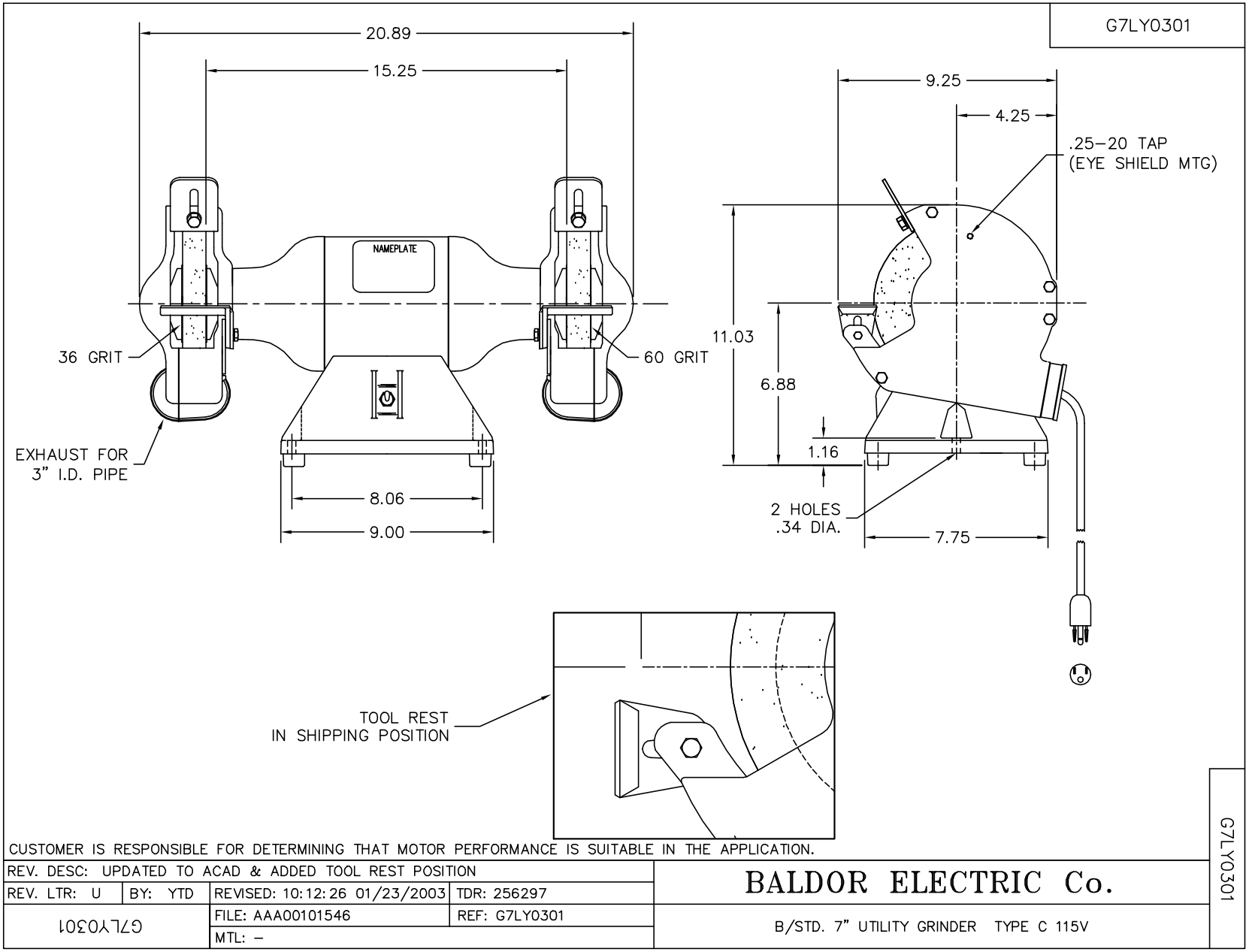
Product Family	Grinder
Service Factor	1.00
Shaft Extension Location	Double Shaft
Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

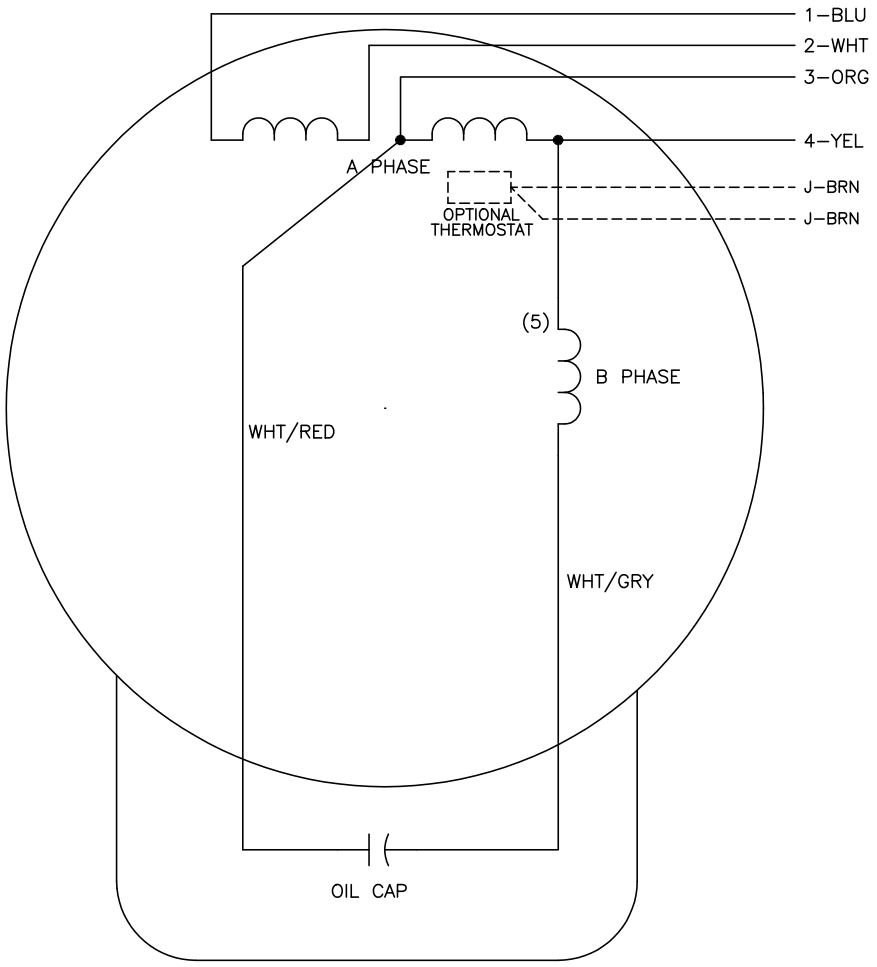
NP0113			
CAT.NO.	712E		
HP	.5	**VOLTS**	115
PHASE	1	**AMPS**	3.4
HZ	60	**RPM**	3600
SER.NO			
SPEC.	G7-301-30		

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
GA9	PAIR LIGHTED EYESHIELDS	A8
GA9-1	SINGLE LIGHTED EYESHIELD	A8
GA9S	PAIR EYESHIELDS W/ ON-OFF SWITCH	A8
GA11	PAIR EYESHIELDS	A8
GA24	WATER POT	A8
B73	7" 36 GRIT GRINDING WHEEL	A8
B74	7" 60 GRIT GRINDING WHEEL	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


G7LY0301
20.89
15.25
NAMEPLATE
36 GRIT
60 GRIT
EXHAUST FOR
3" I.D. PIPE
8.06
9.00
9.25
4.25
.25–20 TAP
(EYE SHIELD MTG)
11.03
6.88
1.16
2 HOLES
.34 DIA.
7.75
TOOL REST
IN SHIPPING POSITION
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.
REV. DESC: UPDATED TO ACAD & ADDED TOOL REST POSITION
REV. LTR: U
BY: YTD
REVISED: 10:12:26 01/23/2003
TDR: 256297
FILE: AAA00101546
REF: G7LY0301
MTL: –
BALDOR ELECTRIC Co.
B/STD. 7" UTILITY GRINDER TYPE C 115V
G7LY0301

CD0121



	LINE A	LINE B	JOIN
HIGH	1	4	2,3
LOW	1,3	2,4	–

NOTES:

1. CONNECTIONS ARE SHOWN FOR CCW ROTATION FACING END OPPOSITE SHAFT EXTENSION (STD). FOR CW ROTATION, INTERCHANGE 5 AND 8 INTERNALLY.
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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: C	BY: JLP	REVISED: 04/08/99 4:14	TDR: 0178636
CD0121		FILE: AAA00007480	MDL: –
		MTL: –	TYPE C, DV, FIX, 4 LEADS

CD0121