ABB BALDOR RELIANCE

# Customer information packet

8100WD

24C 4P GRNDR

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## Specifications

| | |
|---|---|
| **Enclosure** | TENV |
| **Frame Material** | Steel |
| **Frequency** | 60.00 Hz |
| | 60.00 Hz |
| **Motor Letter Type** | Oil Capacitor Start and Run |
| **Nameplate Output** | .75 |
| **Number of Poles** | 4 |
| | 4 |
| **Output @ Frequency** | .750 HP @ 60 HZ |
| **Phase** | 1 |
| | 1 |
| **Shaft Diameter** | 0.750 IN |
| | 0.750 IN |
| **Speed** | 1800 rpm |
| | 1800 rpm |
| **Synchronous Speed @ Frequency** | 1800 RPM @ 60 HZ |
| **Voltage** | 115 V |
| | 230 V |
| **Voltage @ Frequency** | 230.0 V @ 60 HZ |
| | 115.0 V @ 60 HZ |
| **Ambient Temperature** | 40 °C |
| **Base Indicator** | Rigid |
| **Current @ Voltage** | 3.200 A @ 230.0 V |
| | 6.400 A @ 115.0 V |
| **Design Code** | - |
| **Duty Rating** | CONT |
| **Insulation Class** | F |
| **KVA Code** | - |
| **Motor Lead Quantity/Wire Size** | 4 @ 18 AWG |
| **Motor Standards** | Other |
| **Motor Type** | 3524C |
| **Mounting Arrangement** | F1 |

## Part Detail

| | |
|---|---|
| **Revision** | E |
| **Type** | AC |
| **Mech. spec.** | G8-231 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | G8WG0378 |
| **Layout** | G8LY0231 |
| **Eff. date** | 06-27-2025 |
| **CD Diagram** | CD0279 |
| **Poles** | 04 |
| **Leads** | 4#18 |
| **Proprietary** | False |
| **Created date** | 02-23-2023 |

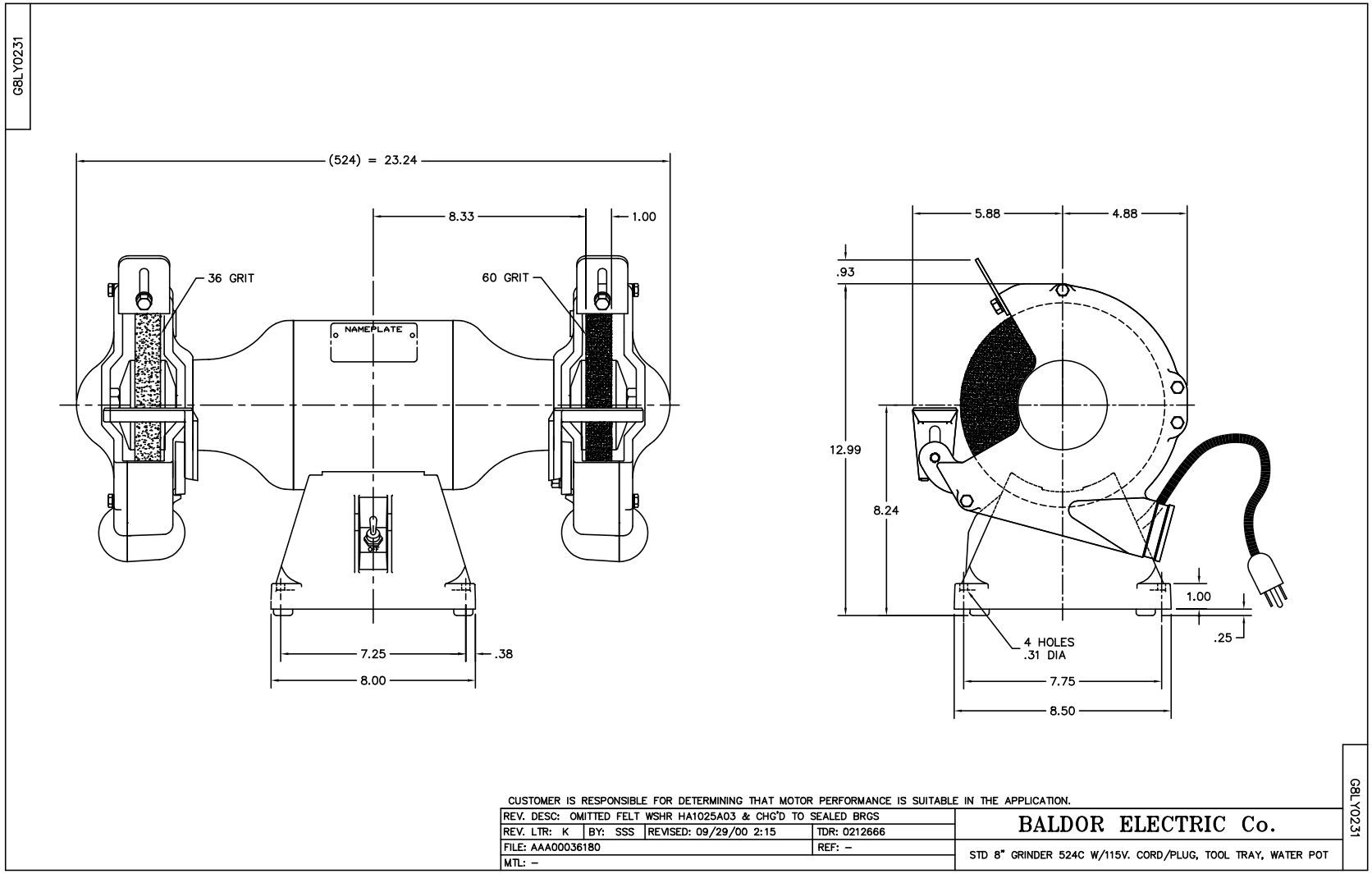
| | |
|---|---|
| **Overall Length** | 23.24 IN |
| **Product Family** | Grinder |
| **Service Factor** | 1.00 |
| **Shaft Rotation** | Fixed Opposite Standard |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Winding** | None |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

**Nameplate**

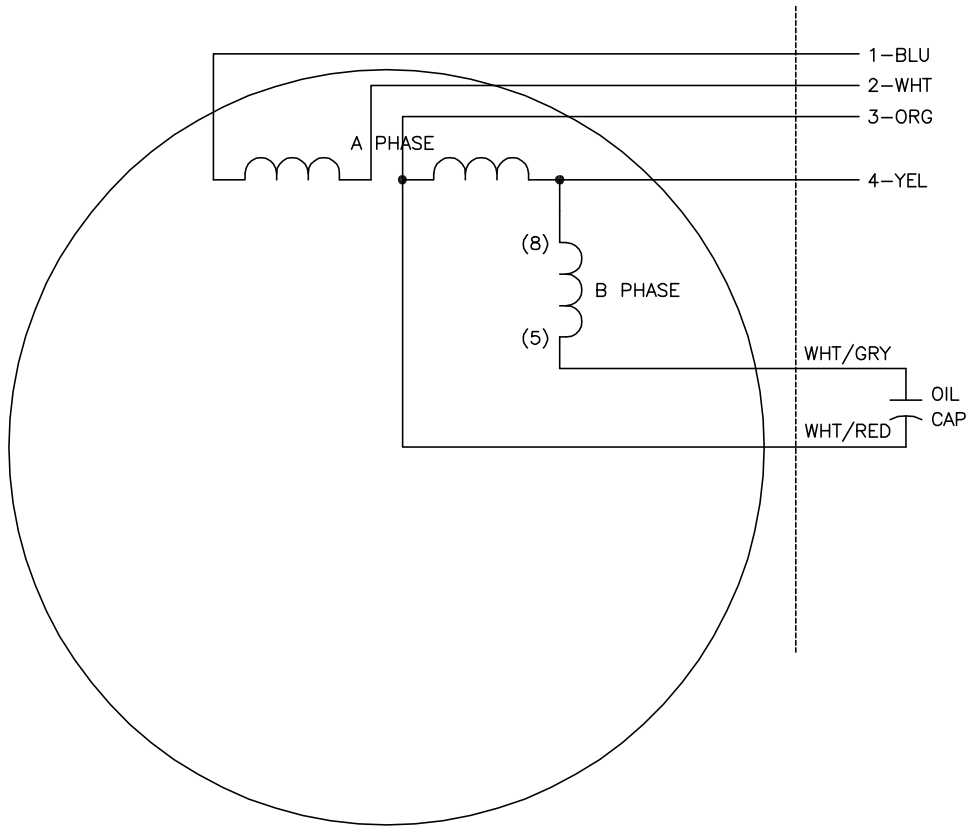
| NP3118 | | | |
|---|---|---|---|
| **CAT.NO.** | 8100WD | | |
| **HP** | .75 | **VOLTS** | 115/230 |
| **PHASE** | 1 | **AMPS** | 6.4/3.2 |
| **HZ** | 60 | **RPM** | 1800 |
| **SER.NO** | | | |
| **SPEC.** | G8-231G0378 | | |

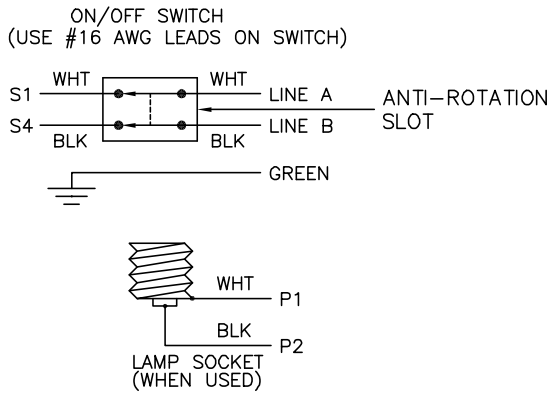
**Accessories**

| Part number | Description | Multiplier |
|---|---|---|
| GA16 | PEDESTAL INDUSTRIAL, CAST IRON 6" - 10" | A8 |
| GA14 | PEDESTAL FABRICATED STEEL W/SHELVES | A8 |
| GA20 | PEDESTAL INDUSTRIAL, CAST IRON 8"-14" | A8 |
| GA20E | PEDESTAL LIGHT INDUSTRIAL,STEEL | A8 |
| B80 | 8" 36 GRIT GRINDING WHEEL | A8 |
| B81 | 8" 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 |
| DC8 | DUST CONTROL UNIT | 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 | |
| BQ2-015-CC | 1PH Brake,NEMA 1 208-230 VAC,50/60Hz | |
| BQ2-015-CP | 1PH Brake, Panel 208-230 VAC, 50/60 Hz | |

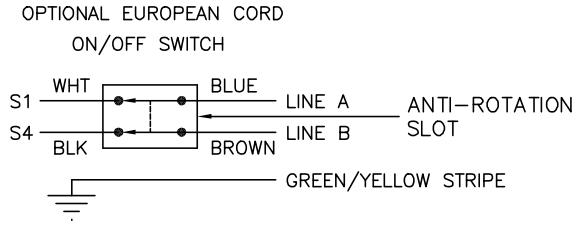

G8LY0231
(524) = 23.24
8.33
1.00
36 GRIT
60 GRIT
NAMEPLATE
7.25
.38
8.00
5.88
4.88
.93
12.99
8.24
1.00
.25
4 HOLES
.31 DIA
7.75
8.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.
REV. DESC: OMITTED FELT WSHR HA1025A03 & CHG'D TO SEALED BRGS
REV. LTR: K BY: SSS REVISED: 09/29/00 2:15 TDR: 0212666
FILE: AAA00036180 REF: –
MTL: –
BALDOR ELECTRIC Co.
STD 8" GRINDER 524C W/115V. CORD/PLUG, TOOL TRAY, WATER POT
G8LY0231

CD0279




| | S1 | S4 | JOIN |
|---|---|---|---|
| HIGH | 1,P1 | 4 | 2,3,P2 |
| LOW | 1,3,P1 | 2,4,P2 | – |




NOTES:

1. CONNECTIONS ARE SHOWN FOR CW ROTATION FACING END OPPOSITE SHAFT EXTENSION (OPP STD). FOR CCW ROTATION, INTERCHANGE (5) AND (8) INTERNALLY.
2. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

| | | |
|---|---|---|
| REV. DESC: ADDED ANTI–ROTATION DETAIL TO RH SIDE OF SWITCH | | |
| REV. LTR: E | VERSION: 01 | TDR: 000000863536 |
| FILE: \AAA\00028\193 | REVISED: 09:52:27 07/23/2014 | BY: ENCHALO |
| MTL: – | | |

BALDOR

TYPE C, DV, FIX, OPT. LIGHTED EYESHIELD, GRINDER

SH 1 of 1

CD0279