ABB BALDOR RELIANCE

# Customer information packet

8125W

.75HP, 3000/3600RPM, 3PH, 50/60HZ, 3524M

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
9/7/2026 4:04:25 AM

## 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** | .75 |
| **Number of Poles** | 2 |
| | 2 |
| **Output @ Frequency** | .750 HP @ 60 HZ |
| | .750 HP @ 50 HZ |
| **Phase** | 3 |
| | 3 |
| **Product Style** | GRINDER |
| **Speed** | 3000 rpm |
| | 3600 rpm |
| | 3000 rpm |
| | 3600 rpm |
| **Synchronous Speed @ Frequency** | 3000 RPM @ 50 HZ |
| **Voltage** | 575 V |
| **Voltage @ Frequency** | 575.0 V @ 60 HZ |
| | 575.0 V @ 50 HZ |
| **Agency Approvals** | UR |
| **Ambient Temperature** | 40 °C |
| **Base Indicator** | Rigid |
| **Bearing Grease Type** | Polyrex EM (-20F +300F) |
| **Current @ Voltage** | .560 A @ 575.0 V |
| **Duty Rating** | CONT |
| **Feedback Device** | NO FEEDBACK |
| **Insulation Class** | B |
| **KVA Code** | - |

## Part Detail

| | |
|---|---|
| **Revision** | AU |
| **Type** | AC |
| **Mech. spec.** | G8-166 |
| **Base** | |
| **Status** | PRD/A |
| **Elec. spec.** | G8WG0030 |
| **Layout** | G8LY0166 |
| **Eff. date** | 12-15-2021 |
| **CD Diagram** | CD0006 |
| **Poles** | 02 |
| **Leads** | 3#18 12" LG Y |
| **Proprietary** | False |
| **Created date** | 08-08-2007 |

| | |
|---|---|
| **Motor Lead Quantity/Wire Size** | 3 @ 18 AWG |
| **Motor Standards** | Other |
| **Motor Type** | 3524M |
| **Mounting Arrangement** | F1 |
| **Overall Length** | 23.24 IN |
| **Product Family** | Grinder |
| **Service Factor** | 1.00 |
| **Shaft Extension Location** | Double Shaft |
| **Shaft Rotation** | Phase Seq-Opp Std Rot (CWODE) |
| **Shaft Slinger Indicator** | No Slinger |
| **Speed Code** | Single Speed |
| **Starting Method** | Direct on line |
| **Thermal Device - Winding** | None |
| **Winding Thermal 1** | None |
| **Winding Thermal 2** | None |

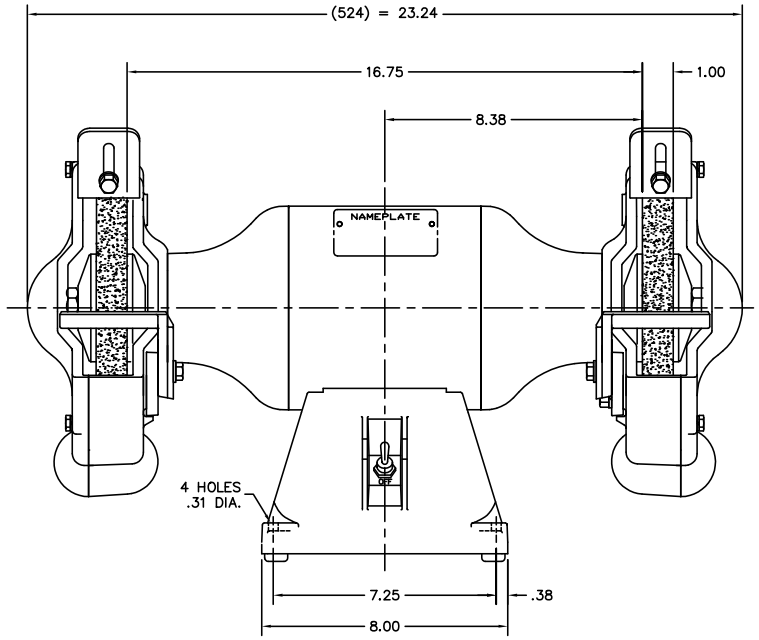
**Nameplate**

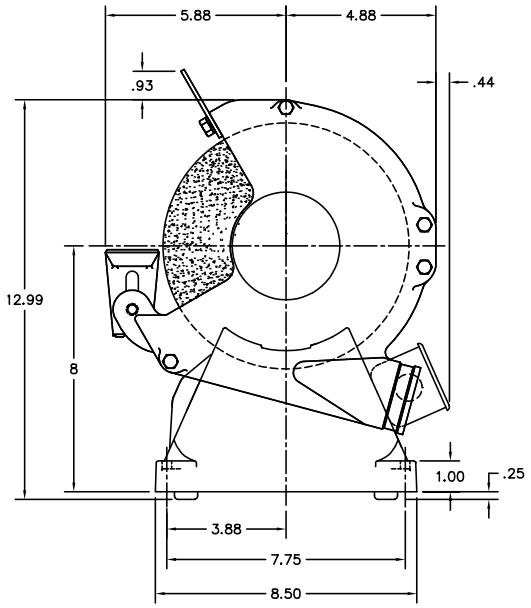
| NP3118 | | | |
|---|---|---|---|
| **CAT.NO.** | 8125W | | |
| **HP** | .75 | **VOLTS** | 575 |
| **PHASE** | 3 | **AMPS** | .56 |
| **HZ** | 50//60 | **RPM** | 3000//3600 |
| **SER.NO** | | | |
| **SPEC.** | G8-166-30 | | |

**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 |
| GA24 | WATER POT | 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 |

G8LY0166




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: H | BY: SSS | REVISED: 09/29/00 12:54 | TDR: 0212666 |
| FILE: AAA00064345 | | | REF: – |
| MTL: – | | | |

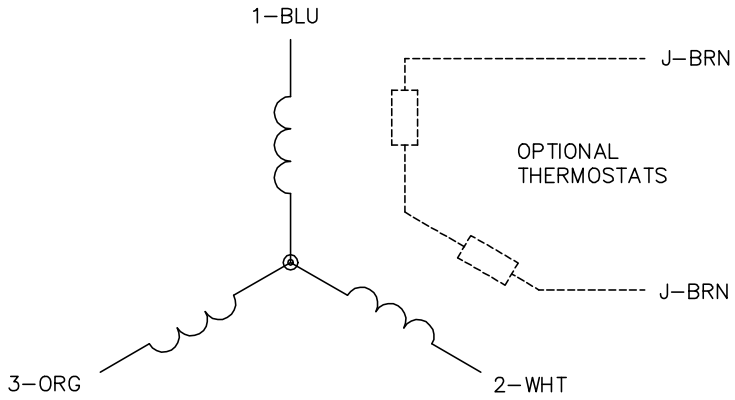
BALDOR ELECTRIC Co.

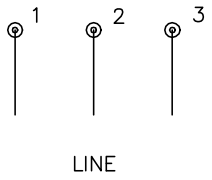
8" GRINDER TENV MODEL 524M

G8LY0166

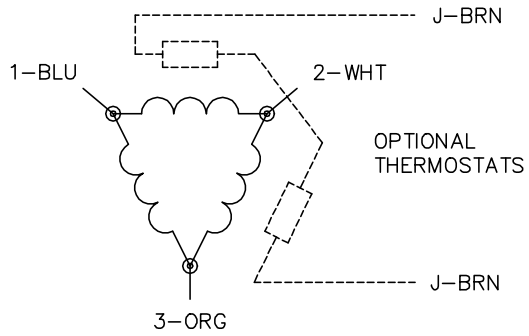
CD0006

TYPICAL WYE–CONNECTED MOTOR




TYPICAL DELTA–CONNECTED MOTOR




NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

| | | |
|---|---|---|
| REV. DESC: ADD CLASS CONN00000007 | | |
| REV. LTR: E | VERSION: 01 | TDR: 000001099922 |
| FILE: \AAA\00005\141 | REVISED: 10:24:49 02/19/2019 | BY: ENBRIR0 |
| MTL: – | | |

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

SH 1 of 1