# Specifications



Photo is representative





## Eaton DG1-32011FB-C54C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 2.2 kW 3 Hp CT 3PH 50/60 Hz 11A output IP54/type 12 FR1 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots Brake chopper

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton PowerXL DG1 variable frequency drive |
| **CATALOG NUMBER** | DG1-32011FB-C54C |
| **UPC** | 786685927602 |
| **PRODUCT LENGTH/DEPTH** | 17.05 in |
| **PRODUCT HEIGHT** | 12.68 in |
| **PRODUCT WIDTH** | 9.33 in |
| **PRODUCT WEIGHT** | 17 lb |
| **WARRANTY** | Eaton Selling Policy 25-000 generally applies with some exceptions. Drive products come with a standard 24 months from date of shipment and 36 months with Eaton certified start up all inclusive coverage parts labor and travel. |
| **COMPLIANCES** | GoST-R<br>C-Tick Compliant<br>CE Marked<br>RoHS Compliant |
| **CERTIFICATIONS** | cUL Listed<br>UL Listed<br>UL 508C<br>EN ISO 13849-1<br>EN 62061<br>IEC 61508 |
| **PRODUCT TYPE** | Variable frequency drive |

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## Product specifications

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|---|---|
| **BRAKE CHOPPER** | Brake chopper |
| **HORSEPOWER** | 3 hp |
| **PHASE** | Three-phase in, three-phase out |
| **FREQUENCY RATING** | 50-60 Hz |
| **FRAME SIZE** | 1 |
| **KEYPAD** | Included |
| **INPUT VOLTAGE** | 230V (208-240V, -15%, +10%) |
| **DISPLAY** | LCD graphical |
| **TORQUE RATING** | CT |
| **COMMUNICATION** | EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU communication |
| **ENCLOSURE** | IP54/type 12 |
| **PROTECTION** | Internal EMC filter, DC choke |
| **OUTPUT CURRENT - MAX** | 11 A |
| **SOFTWARE** | Active energy control, quick start wizard |
| **NUMBER OF SLOTS** | 2 expansion slots |
| **MATERIAL** | Coated board |
| **POWER CONSUMPTION** | 2.2 kW |
| **ELECTROMAGNETIC COMPATIBILITY FILTER** | EMC Filter |
| **INTERNAL DC CHOKE** | Yes |
| **CONFORMAL COATED BOARDS** | Yes |
| **USER INTERFACE** | Graphical Keypad |
| **HIGH OVERLOAD (CT) AMPS** | 11 A |
| **HIGH OVERLOAD (CT) KW** | 2.2 kW |
| **HIGH OVERLOAD (CT) HP** | 3 hp |
| **LOW OVERLOAD (VT) AMPS** | 12.5 A |
| **LOW OVERLOAD (VT) KW** | 3 kW |
| **INPUT VOLTAGE RANGE** | 208 - 240 V |
| **INPUT FREQUENCY RANGE** | 50 - 60 Hz |
| **OUTPUT FREQUENCY RANGE** | 0 - 400 Hz |
| **MAX OVERLOAD** | 110% for 1 minute |
| **RECOMMENDED FUSE SIZE** | 15 |
| **COMMUNICATIONS** | EtherNet/IP, Modbus TCP, |

## Resources

| | |
|---|---|
| CATALOGS | eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf<br><br>Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2 |
| MULTIMEDIA | Power XL General Purpose Drives<br><br>PowerXL DG1 Variable Frequency Drive - Setup via WebUI |
| SPECIFICATIONS AND DATASHEETS | Eaton Specification Sheet - DG1-32011FB-C54C |

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|---|---|
| **ONBOARD** | RS-485: Modbus RTU, BACnet MS/TP |
| **MOTOR CONTROL MODES** | Frequency, Speed, Open-loop speed, Open-loop torque |
| **MOTOR TYPE** | Inductio, PM (IPM & SPM) |

| |
|---|
| **PROJECT NAME:** |
| **PROJECT NUMBER:** |
| **PREPARED BY:** |
| **DATE:** |

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