# Specifications



Photo is representative





## Eaton DG1-35062FB-C21C

Eaton PowerXL DG1 VFD, 525-600V 3PH 50/60 Hz input 45KW,60HP,62A CT,55KW,75HP, 80A VT, IP21/type 1 FR4 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and Modbus RTU, Brake chopper

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton PowerXL DG1 variable frequency drive |
| **CATALOG NUMBER** | DG1-35062FB-C21C |
| **UPC** | 786685975337 |
| **PRODUCT LENGTH/DEPTH** | 28 in |
| **PRODUCT HEIGHT** | 17 in |
| **PRODUCT WIDTH** | 15 in |
| **PRODUCT WEIGHT** | 110 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** | C-Tick Compliant<br>CE Marked<br>RoHS Compliant<br>GoST-R |
| **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 |

Powering Business Worldwide

## Product specifications

| | |
|---|---|
| **BRAKE CHOPPER** | Brake chopper |
| **HORSEPOWER** | 60 hp |
| **PHASE** | Three-phase in, three-phase out |
| **PROTECTION FILTERING** | Internal EMC filter and DC choke |
| **SPECIAL FEATURES** | Coated boards |
| **FREQUENCY RATING** | 50-60 Hz |
| **FRAME SIZE** | 5<br>4 |
| **KEYPAD** | Included |
| **INPUT VOLTAGE** | 575 V, 525-600 V(-15%, +10%) |
| **DISPLAY** | LCD graphical |
| **TORQUE RATING** | CT |
| **COMMUNICATION** | EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU communication |
| **ENCLOSURE** | IP21/type 1 |
| **PROTECTION** | Internal EMC filter, DC choke |
| **OUTPUT CURRENT - MAX** | 62 A |
| **SOFTWARE** | Active energy control, quick start wizard |
| **NUMBER OF SLOTS** | 2 expansion slots |
| **MATERIAL** | Coated board |
| **POWER CONSUMPTION** | 45 kW |
| **ELECTROMAGNETIC COMPATIBILITY FILTER** | EMC Filter |
| **INTERNAL DC CHOKE** | Yes |
| **CONFORMAL COATED BOARDS** | Yes |
| **USER INTERFACE** | Graphical Keypad |
| **HIGH OVERLOAD (CT) AMPS** | 62 A |
| **HIGH OVERLOAD (CT) KW** | 45 kW |
| **HIGH OVERLOAD (CT) HP** | 60 hp |
| **LOW OVERLOAD (VT) AMPS** | 80 A |
| **LOW OVERLOAD (VT) KW** | 55 kW |
| **LOW OVERLOAD (VT) HP** | 75 hp |
| **INPUT VOLTAGE RANGE** | 525 - 600 V |
| **INPUT FREQUENCY RANGE** | 50 - 60 Hz |
| **OUTPUT FREQUENCY** | 0 - 400 Hz |

## Resources

| | |
|---|---|
| CATALOGS | eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf |
| MULTIMEDIA | PowerXL DG1 Variable Frequency Drive - Setup via WebUI<br><br>Power XL General Purpose Drives |
| SPECIFICATIONS AND DATASHEETS | Eaton Specification Sheet - DG1-35062FB-C21C |
| WARRANTY GUIDES | Selling Policy 25-000 - Distribution and Control Products and Services |

| RANGE | |
|---|---|
| **MAX OVERLOAD** | 110% for 1 minute |
| **RECOMMENDED FUSE SIZE** | 100 |
| **COMMUNICATIONS ONBOARD** | EtherNet/IP, Modbus TCP, 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:** | |

**Eaton Corporation plc** Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.