# Specifications



Photo is representative

## Eaton DG1-34310FB-C00C

Eaton PowerXL DG1 variable frequency drive460V FR7 IP00 160KW 250HP w/ BRAKE CHOPPER AMR

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton PowerXL DG1 variable frequency drive |
| **CATALOG NUMBER** | DG1-34310FB-C00C |
| **UPC** | 786687035299 |
| **PRODUCT LENGTH/DEPTH** | 47.24 in |
| **PRODUCT HEIGHT** | 66.93 in |
| **PRODUCT WIDTH** | 31.5 in |
| **PRODUCT WEIGHT** | 714 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** | CE Marked<br>RoHS Compliant |
| **CERTIFICATIONS** | UL Listed<br>cUL Listed |
| **PRODUCT TYPE** | Variable frequency drive |

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## Product specifications

| | |
|---|---|
| **BRAKE CHOPPER** | Brake chopper |
| **HORSEPOWER** | 250 hp |
| **OPERATING TEMPERATURE** | -10° to 50°C |
| **PHASE** | Three-phase input, three-phase output |
| **PROTECTION FILTERING** | EMI and DC Choke |
| **FRAME SIZE** | 7 |
| **KEYPAD** | Included |
| **DISPLAY** | LCD graphical |
| **TORQUE RATING** | CT |
| **COMMUNICATION** | EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU communication |
| **ENCLOSURE** | IP00 |
| **PROTECTION** | Internal EMC filter, DC choke |
| **OUTPUT CURRENT - MAX** | 310 A |
| **SOFTWARE** | Active energy control, quick start wizard |
| **NUMBER OF SLOTS** | 2 expansion slots |
| **MATERIAL** | Coated board |
| **POWER CONSUMPTION** | 160 kW |
| **ELECTROMAGNETIC COMPATIBILITY FILTER** | EMC Filter |
| **INTERNAL DC CHOKE** | Yes |
| **CONFORMAL COATED BOARDS** | Yes |
| **USER INTERFACE** | Graphical Keypad |
| **HIGH OVERLOAD (CT) AMPS** | 310 A |
| **HIGH OVERLOAD (CT) KW** | 160 kW |
| **HIGH OVERLOAD (CT) HP** | 250 hp |
| **LOW OVERLOAD (VT) AMPS** | 385 A |
| **LOW OVERLOAD (VT) KW** | 200 kW |
| **LOW OVERLOAD (VT) HP** | 300 hp |
| **INPUT VOLTAGE RANGE** | 380 - 500 V |
| **INPUT FREQUENCY RANGE** | 50 - 60 Hz |
| **OUTPUT FREQUENCY RANGE** | 0 - 400 Hz |
| **MAX OVERLOAD** | 110% for 1 minute |
| **RECOMMENDED FUSE SIZE** | 500 |

## 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 - DG1-34310FB-C00C |

| | |
|---|---|
| **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:** | |

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