

Eaton DG1-34310FN-C00C

Catalog Number: DG1-34310FN-C00C

Eaton PowerXL DG1 variable frequency drive 460V FR7 IP00
160KW 250HP AMR

General specifications



Product Name	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-34310FN-C00C
	UPC
	786687035282
Product Length/Depth	Product Height
62.5 in	27 in
Product Width	Product Weight
31.5 in	529 lb
Warranty	Compliances
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.	RoHS Compliant CE Marked
	Certifications
	cUL Listed UL Listed

defaultTaxonomyAttributeLabel

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

Resources

Application notes

[Motor data and V/f curves](#)

[Connecting drives to generator supplies](#)

[Real time clock and use of the timers](#)

[Smoke Mode and fire mode](#)

[Torque control](#)

[Dual Rating What exactly does that mean?](#)

[Starting, stopping and operation](#)

[PID controller](#)

[Analog I/Os](#)

[DG1 in pump and fan applications](#)

[Electromagnetic compatibility \(EMC\)](#)

[Operating at low temperatures](#)

[Digital I/Os](#)

[Load balancing in multi motor applications](#)

Catalogs

[Product Range Catalog Drives Engineering](#)

Multimedia

[Power XL General Purpose Drives](#)

[PowerXL DG1 Variable Frequency Drive - Setup via WebUI](#)

Specifications and datasheets

[Eaton Specification Sheet - DG1-34310FN-C00C](#)

Warranty guides

[Selling Policy 25-000 - Distribution and Control Products and Services](#)

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

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)



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