Specifications

Eaton DG1-34520FN-C00C



Catalog Number: DG1-34520FN-C00C

Eaton PowerXL DG1 variable frequency drive460V FR7 IP00 250KW 450HP AMR

General specifications

Product Name
Eaton PowerXL DG1 variable frequency drive

Catalog Number
DG1-34520FN-C00C

UPC
786687035343

Product Length/Depth
62.5 in

Product Height
27.25 in

Product Width
31.25 in

Product Weight
529 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
RoHS Compliant

Certifications
UL Listed
cUL Listed

Powering Business Worldwide

Product specifications

Horsepower

450 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

520 A

Software

Active energy control, quick start wizard

Number of slots

2 expansion slots

Material

Coated board

Power consumption

250 kW

Electromagnetic compatibility filter

EMC Filter

Resources

Application notes

Electromagnetic compatibility (EMC)

Digital I/Os

Smoke Mode and fire mode

Dual Rating What exactly does that mean?

PID controller

DG1 in pump and fan applications

Starting, stopping and operation

Analog I/Os

Real time clock and use of the timers

Motor data and V/f curves

Operating at low temperatures

Connecting drives to generator supplies

Load balancing in multi motor applications

Torque control

Catalogs

Product Range Catalog Drives Engineering

Multimedia

PowerXL DG1 Variable Frequency Drive - Setup via WebUI

Power XL General Purpose Drives

Specifications and datasheets

Eaton Specification Sheet - DG1-34520FN-C00C

Internal DC choke

Yes

Conformal coated boards

Yes

User interface

Graphical Keypad

High overload (CT) amps

520 A

High overload (CT) kW

250 kW

High overload (CT) hp

450 hp

Low overload (VT) amps

590 A

Low overload (VT) kW

315 kW

Low overload (VT) hp

500 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

800

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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