Specifications

Eaton DG1-344D3EB-C20C

Catalog Number: DG1-344D3EB-C20C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 1.5 kW 2 Hp CT 3PH 50/60 Hz 4.3A output IP20 enclosure FR0 LCD display Internal EMC filter EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 expansion slots Brake chopper



General specifications

Product Name
Eaton PowerXL DG1 variable frequency drive

Catalog Number
DG1-344D3EB-C20C

UPC
786687034759

Product Length/Depth
14.02 in

Product Height
10.87 in

Product Width
8.58 in

Product Weight
6.6 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
RoHS Compliant
CE Marked
C-Tick Compliant
GoST-R

Certifications
IEC 61508
cUL Listed
EN 61800-3
EN 61800-5-1
UL 508C
UL Listed
EN 62061
EN ISO 13849-1

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Product specifications

Brake chopper
Brake chopper

Horsepower
2 hp

Phase
Three-phase in, three-phase out

Frequency rating
50-60 Hz

Frame size
0

Keypad
Included

Input voltage
460 V, 380-500 V(-15%, +10%)

Display
LCD graphical

Torque rating
CT

Communication
EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU communication

Enclosure
IP20

Input output
460 Vac (380-500 Vac, -15%, +10%)

Protection
Internal EMC filter

Output current - max
4.3 A

Software
Active energy control, quick start wizard

Number of slots
2 expansion slots

Material
Coated board

Resources

Application notes
Load balancing in multi motor applications

DG1 in pump and fan applications

Starting, stopping and operation

Real time clock and use of the timers

Electromagnetic compatibility (EMC)

Torque control

Digital I/Os

Analog I/Os

Smoke Mode and fire mode

PID controller

Operating at low temperatures

Motor data and V/f curves

Connecting drives to generator supplies

Dual Rating What exactly does that mean?

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 - DG1-344D3EB-C20C

Power consumption

1.5 kW

Electromagnetic compatibility filter

EMC Filter

Internal DC choke

None

Conformal coated boards

Yes

User interface

Graphical Keypad

High overload (CT) amps

4.3 A

High overload (CT) kW

1.5 kW

High overload (CT) hp

2 hp

Low overload (VT) amps

5.6 A

Low overload (VT) kW

2.2 kW

Low overload (VT) hp

3 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

10

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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