Product specifications

Eaton DG1-35062FN-C21C

Catalog Number: DG1-35062FN-C21C

Eaton PowerXL DG1 variable frequency drive, 525-600V input 45 kW 60 Hp CT 3PH 50/60 Hz 62A output IP21/type 1 enclosure FR5 LCD display Internal EMC filter and DC choke EtherNet, RS-485



General specifications

Product Name
Eaton PowerXL DG1 variable frequency drive

Catalog Number
DG1-35062FN-C21C

UPC
786685975351

Product Length/Depth
17 in

Product Height
28 in

Product Width
15 in

Product Weight
92 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
CE Marked
RoHS Compliant
GoST-R

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

Powering Business Worldwide

Product specifications

Max overload
110% for 1 minute

Protection filtering
Internal EMC filter and DC choke

High overload (CT) amps
62 A

Phase
Three-phase in, three-phase out

Motor control modes
Frequency, Speed, Open-loop speed, Open-loop torque

Internal DC choke
Yes

Conformal coated boards
Yes

Low overload (VT) kW
55 kW

Enclosure
IP21/type 1

Number of slots
2 expansion slots

Communications onboard
EtherNet/IP, Modbus TCP, RS-485: Modbus RTU, BACnet MS/TP

Motor type
Inductio, PM (IPM & SPM)

Electromagnetic compatibility filter
EMC Filter

User interface
Graphical Keypad

Brake chopper
No brake chopper

Power consumption
45 kW

High overload (CT) kW
45 kW

Resources

Application notes
Electromagnetic compatibility (EMC)

Digital I/Os

Connecting drives to generator supplies

DG1 in pump and fan applications

Real time clock and use of the timers

Analog I/Os

PID controller

Motor data and V/f curves

Dual Rating What exactly does that mean?

Starting, stopping and operation

Torque control

Smoke Mode and fire mode

Operating at low temperatures

Load balancing in multi motor applications

Catalogs
Product Datasheet - DG1-35062FN-C21C

Product Range Catalog Drives Engineering

Specifications and datasheets
Eaton Specification Sheet - DG1-35062FN-C21C

Horsepower

60 hp

Frequency rating

50-60 Hz

Protection

Internal EMC filter, DC choke

Communication

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

Special features

Coated boards

Input voltage

575 V, 525-600 V(-15%, +10%)

Material

Coated board

Low overload (VT) hp

75 hp

Output current - max

62 A

Low overload (VT) amps

80 A

High overload (CT) hp

60 hp

Frame size

5

Output frequency range

0 - 400 Hz

Input voltage range

525 - 600 V

Recommended fuse size

100

Keypad

Included

Input frequency range

50 - 60 Hz

Software

Active energy control, quick start wizard

Torque rating

CT

Display

LCD graphical

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