

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	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-35062FN-C21C
	UPC
	786685975351

Product Length/Depth	Product Height
17 in	28 in

Product Width	Product Weight
15 in	92 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.	C-Tick Compliant
	CE Marked
	RoHS Compliant
	GoST-R

Certifications

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

defaultTaxonomyAttributeLabel

Brake chopper

No brake chopper

Horsepower

60 hp

Phase

Three-phase in, three-phase out

Protection filtering

Internal EMC filter and DC choke

Special features

Coated boards

Frequency rating

50-60 Hz

Frame size

5

Keypad

Included

Input voltage

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

Display

LCD graphical

Torque rating

CT

Communication

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

Enclosure

IP21/type 1

Protection

Internal EMC filter, DC choke

Output current - max

62 A

Software

Active energy control, quick start wizard

Number of slots

2 expansion slots

Resources

Application notes

DG1 in pump and fan applications

Motor data and V/f curves

PID controller

Load balancing in multi motor applications

Connecting drives to generator supplies

Analog I/Os

Operating at low temperatures

Smoke Mode and fire mode

Torque control

Electromagnetic compatibility (EMC)

Digital I/Os

Real time clock and use of the timers

Dual Rating What exactly does that mean?

Starting, stopping and operation

Catalogs

Product Datasheet - DG1-35062FN-C21C

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 - DG1-35062FN-C21C

Material

Coated board

Power consumption

45 kW

Electromagnetic compatibility filter

EMC Filter

Internal DC choke

Yes

Conformal coated boards

Yes

User interface

Graphical Keypad

High overload (CT) amps

62 A

High overload (CT) kW

45 kW

High overload (CT) hp

60 hp

Low overload (VT) amps

80 A

Low overload (VT) kW

55 kW

Low overload (VT) hp

75 hp

Input voltage range

525 - 600 V

Input frequency range

50 - 60 Hz

Output frequency range

0 - 400 Hz

Max overload

110% for 1 minute

Recommended fuse size

100

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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