

Eaton DG1-34072FB-C21C

Catalog Number: DG1-34072FB-C21C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 37 kW, 50 Hp CT, 3PH, 50/60 Hz, 72A, output IP21/type 1 enclosure FR5 LCD display Internal EMC filter and DC choke EtherNet



General specifications

Product Name	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-34072FB-C21C
	UPC
	786685887739
Product Length/Depth	Product Height
28 in	16.8 in
Product Width	Product Weight
14.7 in	80 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.	GoST-R C-Tick Compliant CE Marked RoHS Compliant
	Certifications
	cUL Listed UL Listed UL 508C EN ISO 13849-1 EN 62061 IEC 61508

defaultTaxonomyAttributeLabel

Brake chopper

Brake chopper

Horsepower

50 hp

Phase

Three-phase in, three-phase out

Frequency rating

50-60 Hz

Frame size

5

Keypad

Included

Input voltage

400 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

IP21/type 1

Protection

Internal EMC filter, DC choke

Output current - max

72 A

Software

Active energy control, quick start wizard

Number of slots

2 expansion slots

Material

Coated board

Power consumption

37 kW

Resources

Application notes

PID controller

Connecting drives to generator supplies

Analog I/Os

Electromagnetic compatibility (EMC)

Load balancing in multi motor applications

Smoke Mode and fire mode

Torque control

Digital I/Os

Dual Rating What exactly does that mean?

Starting, stopping and operation

Real time clock and use of the timers

DG1 in pump and fan applications

Operating at low temperatures

Motor data and V/f curves

Catalogs

Product Datasheet - DG1-34072FB-C21C

Product Range Catalog Drives Engineering

Eaton's Volume 6—Solid-State Motor Control

Installation instructions

PowerXL DG1 Series VFD Installation Manual

PowerXL DG1 Series VFD Application Manual

Multimedia

PowerXL DG1 Variable Frequency Drive - Setup via WebUI

Power XL General Purpose Drives

Specifications and datasheets

Eaton Specification Sheet - DG1-34072FB-C21C

Warranty guides

Selling Policy 25-000 - Distribution and Control Products and Services

Electromagnetic compatibility filter

EMC Filter

Internal DC choke

Yes

Conformal coated boards

Yes

User interface

Graphical Keypad

High overload (CT) amps

72 A

High overload (CT) kW

37 kW

High overload (CT) hp

50 hp

Low overload (VT) amps

87 A

Low overload (VT) kW

45 kW

Low overload (VT) hp

60 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

110

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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