

Eaton DG1-35208FN-C21C

Catalog Number: DG1-35208FN-C21C

Eaton PowerXL DG1 variable frequency drive, 525-600V input 160 kW 200 Hp CT 3PH 50/60 Hz 208A output IP21/type 1 enclosure FR6 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots

General specifications



Product Name	Catalog Number
Eaton PowerXL DG1 variable frequency drive	DG1-35208FN-C21C
	UPC
	786676030625

Product Length/Depth	Product Height
23.5 in	22 in

Product Width	Product Weight
46 in	330 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

Horsepower

200 hp

Phase

Three-phase in, three-phase out

Frequency rating

50-60 Hz

Frame size

6

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

NEMA rating

NEMA 1

Protection

Internal EMC filter, DC choke

Output current - max

208 A

Software

Active energy control, quick start wizard

Number of slots

2 expansion slots

Material

Coated board

Power consumption

160 kW

Resources

Application notes

[Digital I/Os](#)

[Analog I/Os](#)

[PID controller](#)

[Smoke Mode and fire mode](#)

[Torque control](#)

[Motor data and V/f curves](#)

[Electromagnetic compatibility \(EMC\)](#)

[DG1 in pump and fan applications](#)

[Real time clock and use of the timers](#)

[Dual Rating What exactly does that mean?](#)

[Starting, stopping and operation](#)

[Connecting drives to generator supplies](#)

[Operating at low temperatures](#)

[Load balancing in multi motor applications](#)

Catalogs

[Product Datasheet - DG1-35208FN-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 - DG1-35208FN-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

208 A

High overload (CT) kW

132 kW

High overload (CT) hp

200 hp

Low overload (VT) amps

250 A

Low overload (VT) kW

187 kW

Low overload (VT) hp

250 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

315

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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