

# Eaton DG1-35062FN-C54C

Catalog Number: DG1-35062FN-C54C

Eaton PowerXL DG1 variable frequency drive, 525-600V input 45 kW 60 Hp CT 3PH 50/60 Hz 62A output IP54/type 12 FR5 LCD display Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 expansion slots

## General specifications



<b>Product Name</b>	<b>Catalog Number</b>
Eaton PowerXL DG1 variable frequency drive	DG1-35062FN-C54C
	<b>UPC</b>
	786685975368

<b>Product Length/Depth</b>	<b>Product Height</b>
27.5 in	16.5 in

<b>Product Width</b>	<b>Product Weight</b>
15 in	67 lb

<b>Warranty</b>	<b>Compliances</b>
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.	RoHS Compliant CE Marked C-Tick Compliant GoST-R

<b>Certifications</b>
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

IP54/type 12

### 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

[Load balancing in multi motor applications](#)

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

[Starting, stopping and operation](#)

[Connecting drives to generator supplies](#)

[Torque control](#)

[Smoke Mode and fire mode](#)

[PID controller](#)

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

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

[Digital I/Os](#)

[DG1 in pump and fan applications](#)

[Operating at low temperatures](#)

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

[Analog I/Os](#)

### Catalogs

[Product Range Catalog Drives Engineering](#)

[Product Datasheet - DG1-35062FN-C54C](#)

### Multimedia

[PowerXL DG1 Variable Frequency Drive - Setup via WebUI](#)

[Power XL General Purpose Drives](#)

### Specifications and datasheets

[Eaton Specification Sheet - DG1-35062FN-C54C](#)

### Warranty guides

[Selling Policy 25-000 - Distribution and Control Products and Services](#)

#### 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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