

# Eaton DG1-357D5FB-C54C

Catalog Number: DG1-357D5FB-C54C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 3.7 kW 5 Hp CT 3PH 50/60 Hz 7.5A output IP54/type 12 FR2 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots Brake chopper

## General specifications



<b>Product Name</b>	<b>Catalog Number</b>
Eaton PowerXL DG1 variable frequency drive	DG1-357D5FB-C54C
	<b>UPC</b>
	786685975542

<b>Product Length/Depth</b>	<b>Product Height</b>
17 in	12 in

<b>Product Width</b>	<b>Product Weight</b>
9.5 in	18 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.	CE Marked C-Tick Compliant RoHS Compliant GoST-R

<b>Certifications</b>
cUL Listed UL Listed UL 508C EN ISO 13849-1 EN 62061 IEC 61508

## Product specifications

### Max overload

110% for 1 minute

### Protection filtering

Internal EMC filter and DC choke

### High overload (CT) amps

7.5 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

5.5 kW

### Enclosure

IP54/type 12

### 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

Brake chopper

### Power consumption

3.7 kW

### High overload (CT) kW

3.7 kW

## Resources

### Application notes

Digital I/Os

PID controller

DG1 in pump and fan applications

Connecting drives to generator supplies

Analog I/Os

Real time clock and use of the timers

Load balancing in multi motor applications

Torque control

Smoke Mode and fire mode

Motor data and V/f curves

Operating at low temperatures

Electromagnetic compatibility (EMC)

Starting, stopping and operation

Dual Rating What exactly does that mean?

### Catalogs

Product Range Catalog Drives Engineering

Product Datasheet - DG1-357D5FB-C54C

### Multimedia

PowerXL DG1 Variable Frequency Drive - Setup via WebUI

Power XL General Purpose Drives

### Specifications and datasheets

Eaton Specification Sheet - DG1-357D5FB-C54C

#### Horsepower

5 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

230 V, 208-240 V(-15%, +10%)

#### Material

Coated board

#### Low overload (VT) hp

7.5 hp

#### Output current - max

7.5 A

#### Low overload (VT) amps

10 A

#### High overload (CT) hp

5 hp

#### Frame size

2

#### Output frequency range

0 - 400 Hz

#### Input voltage range

525 - 600 V

#### Recommended fuse size

16

#### 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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