

# Specifications



## Eaton DG1-342D2FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 0.75 kW 1 Hp CT 3PH 50/60 Hz 2.2A output IP21/type 1 FR1 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots Brake chopper

Photo is representative



### General specifications

<b>PRODUCT NAME</b>	Eaton PowerXL DG1 variable frequency drive
<b>CATALOG NUMBER</b>	DG1-342D2FB-C21C
<b>UPC</b>	786685878829
<b>PRODUCT LENGTH/DEPTH</b>	17 in
<b>PRODUCT HEIGHT</b>	13 in
<b>PRODUCT WIDTH</b>	9 in
<b>PRODUCT WEIGHT</b>	16 lb
<b>WARRANTY</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.
<b>COMPLIANCES</b>	C-Tick Compliant RoHS Compliant CE Marked GoST-R
<b>CERTIFICATIONS</b>	EN 61800-5-1 UL 508C EN ISO 13849-1 EN 62061 IEC 61508 EN 61800-3 cUL Listed UL Listed



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## Product specifications

<b>BRAKE CHOPPER</b>	Brake chopper
<b>HORSEPOWER</b>	1 hp
<b>PHASE</b>	Three-phase in, three-phase out
<b>FREQUENCY RATING</b>	50-60 Hz
<b>FRAME SIZE</b>	1
<b>KEYPAD</b>	Included
<b>INPUT VOLTAGE</b>	230 V, 208-240 V(-15%, +10%)
<b>DISPLAY</b>	LCD graphical
<b>TORQUE RATING</b>	CT
<b>COMMUNICATION</b>	EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU communication
<b>ENCLOSURE</b>	IP21/type 1
<b>INPUT OUTPUT</b>	460 Vac (380-500 Vac, -15%, +10%)
<b>PROTECTION</b>	Internal EMC filter, DC choke
<b>OUTPUT CURRENT - MAX</b>	2.2 A
<b>SOFTWARE</b>	Active energy control, quick start wizard
<b>NUMBER OF SLOTS</b>	2 expansion slots
<b>MATERIAL</b>	Coated board
<b>POWER CONSUMPTION</b>	0.75 kW
<b>ELECTROMAGNETIC COMPATIBILITY FILTER</b>	EMC Filter
<b>INTERNAL DC CHOKE</b>	Yes
<b>CONFORMAL COATED BOARDS</b>	Yes
<b>USER INTERFACE</b>	Graphical Keypad
<b>HIGH OVERLOAD (CT) AMPS</b>	2.2 A
<b>HIGH OVERLOAD (CT) KW</b>	.75 kW
<b>HIGH OVERLOAD (CT) HP</b>	1 hp
<b>LOW OVERLOAD (VT) AMPS</b>	3.3 A
<b>LOW OVERLOAD (VT) KW</b>	1.1 kW
<b>LOW OVERLOAD (VT) HP</b>	1.5 hp
<b>INPUT VOLTAGE RANGE</b>	380 - 500 V
<b>INPUT FREQUENCY RANGE</b>	50 - 60 Hz
<b>OUTPUT FREQUENCY</b>	0 - 400 Hz

## Resources

<b>CATALOGS</b>	<a href="#">Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2</a> <a href="#">Product Range Catalog Drives Engineering</a>
<b>MULTIMEDIA</b>	<a href="#">Power XL General Purpose Drives</a> <a href="#">PowerXL DG1 Variable Frequency Drive - Setup via WebUI</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">Eaton Specification Sheet - DG1-342D2FB-C21C</a>

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<b>RANGE</b>	
<b>MAX OVERLOAD</b>	110% for 1 minute
<b>RECOMMENDED FUSE SIZE</b>	10
<b>COMMUNICATIONS ONBOARD</b>	EtherNet/IP, Modbus TCP, RS-485: Modbus RTU, BACnet MS/TP
<b>MOTOR CONTROL MODES</b>	Frequency, Speed, Open-loop speed, Open-loop torque
<b>MOTOR TYPE</b>	Inductio, PM (IPM & SPM)

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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