

# Specifications



## Eaton DG1-34105FB-C21C

Eaton PowerXL DG1 variable frequency drive, IP21 3ph-Input - 3ph-Output PowerXL Drive, 208-240V input 55 kW 75 Hp CT 3-phase 50/60 Hz 105A output IP21/type 1 enclosure FR6 LCD display

Photo is representative



### General specifications

<b>PRODUCT NAME</b>	Eaton PowerXL DG1 variable frequency drive
<b>CATALOG NUMBER</b>	DG1-34105FB-C21C
<b>UPC</b>	786685900643
<b>PRODUCT LENGTH/DEPTH</b>	43.5 in
<b>PRODUCT HEIGHT</b>	15 in
<b>PRODUCT WIDTH</b>	17.5 in
<b>PRODUCT WEIGHT</b>	160 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>	GoST-R C-Tick Compliant CE Marked RoHS Compliant
<b>CERTIFICATIONS</b>	cUL Listed UL Listed UL 508C EN ISO 13849-1 EN 62061 IEC 61508

## Product specifications

<b>BRAKE CHOPPER</b>	Brake chopper
<b>HORSEPOWER</b>	75 hp
<b>PHASE</b>	Three-phase in, three-phase out
<b>FREQUENCY RATING</b>	50-60 Hz
<b>FRAME SIZE</b>	6
<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>PROTECTION</b>	Internal EMC filter, DC choke
<b>OUTPUT CURRENT - MAX</b>	105 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>	55 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>	105 A
<b>HIGH OVERLOAD (CT) KW</b>	55 kW
<b>HIGH OVERLOAD (CT) HP</b>	75 hp
<b>LOW OVERLOAD (VT) AMPS</b>	140 A
<b>LOW OVERLOAD (VT) KW</b>	75 kW
<b>LOW OVERLOAD (VT) HP</b>	100 hp
<b>INPUT VOLTAGE RANGE</b>	380 - 500 V
<b>INPUT FREQUENCY RANGE</b>	50 - 60 Hz
<b>OUTPUT FREQUENCY RANGE</b>	0 - 400 Hz
<b>MAX OVERLOAD</b>	110% for 1 minute

## Resources

	<a href="#">Product Range Catalog</a> <a href="#">Drives Engineering</a>
<b>CATALOGS</b>	<a href="#">Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2</a>
<b>MULTIMEDIA</b>	<a href="#">PowerXL DG1 Variable Frequency Drive - Setup via WebUI</a> <a href="#">Power XL General Purpose Drives</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">Eaton Specification Sheet - DG1-34105FB-C21C</a>

RECOMMENDED FUSE SIZE	175
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)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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