Specifications



Photo is representative

Eaton DG1-32248FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 75 kW 100 Hp CT 3PH 50/60 Hz 248A output IP21/type 1 FR6 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	
PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-32248FB-C21C
UPC	786676030540
PRODUCT LENGTH/DEPTH	45.28 in
PRODUCT HEIGHT	21.89 in
PRODUCT WIDTH	23.62 in
PRODUCT WEIGHT	272.5 lb
WARRANTY	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.
COMPLIANCES	GoST-R C-Tick Compliant CE Marked RoHS Compliant
CERTIFICATIONS	cUL Listed UL Listed UL 508C EN ISO 13849-1 EN 62061 IEC 61508
PRODUCT TYPE	Variable frequency drive

Powering Business Worldwide

Product specifications

BRAKE CHOPPER	Brake chopper
HORSEPOWER	100 hp
PHASE	Three-phase in, three-phase out
FREQUENCY RATING	50-60 Hz
FRAME SIZE	6
KEYPAD	Included
INPUT VOLTAGE	230 V, 208-240 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	248 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	75 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	248 A
HIGH OVERLOAD (CT) KW	75 kW
HIGH OVERLOAD (CT) HP	100 hp
LOW OVERLOAD (VT) AMPS	312 A
LOW OVERLOAD (VT) KW	90 kW
LOW OVERLOAD (VT) HP	125 hp
INPUT VOLTAGE RANGE	208 - 240 V
INPUT FREQUENCY RANGE	50 - 60 Hz
OUTPUT FREQUENCY RANGE	0 - 400 Hz
MAX OVERLOAD	110% for 1 minute

Resources

CATALOGS	eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf
MULTIMEDIA	Power XL General Purpose Drives PowerXL DG1 Variable Frequency Drive - Setup via WebUI
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DG1-32248FB-C21C
WARRANTY GUIDES	Selling Policy 25-000 - Distribution and Control Products and Services

RECOMMENDED FUSE SIZE	400
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:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.