Specifications



Photo is representative

Eaton DG1-34245FN-C54C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 150 kW 200 Hp CT 3PH 50/60 Hz 245A output IP54/type 12 FR6 LCD display Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 expansion slots

General specifications	
PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-34245FN-C54C
UPC	786680199776
PRODUCT LENGTH/DEPTH	45 in
PRODUCT HEIGHT	21 in
PRODUCT WIDTH	23 in
PRODUCT WEIGHT	310 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

HORSEPOWER	200 hp
PHASE	Three-phase in, three-phase out
PROTECTION FILTERING	EMI and DC Choke
FREQUENCY RATING	50-60 Hz
FRAME SIZE	6
KEYPAD	Included
INPUT VOLTAGE	400 V, 380-500 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
NEMA RATING	NEMA 12
PROTECTION	Internal EMC filter, DC choke
OUTPUT CURRENT - MAX	245 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	150 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	245 A
HIGH OVERLOAD (CT) KW	132 kW
HIGH OVERLOAD (CT) HP	200 hp
LOW OVERLOAD (VT) AMPS	310 A
LOW OVERLOAD (VT) KW	160 kW
LOW OVERLOAD (VT) HP	302 hp
INPUT VOLTAGE RANGE	380 - 500 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	PowerXL DG1 Variable Frequency Drive - Setup via WebUI Power XL General Purpose Drives
SOFTWARE, FIRMWARE, AND APPLICATIONS	eaton-powerxl-dg1-dm1-profinet-gsdml-v244.zip
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DG1-34245FN-C54C

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.