Specifications



Photo is representative

Eaton DG1-34590FB-C00C

Eaton PowerXL DG1 variable frequency drive460V FR8 IP00 315KW 500HP w/ BRAKE CHOPPER AMR

General specifications	
PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-34590FB-C00C
UPC	786687035398
PRODUCT LENGTH/DEPTH	47.24 in
PRODUCT HEIGHT	66.93 in
PRODUCT WIDTH	31.5 in
PRODUCT WEIGHT	1270 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	CE Marked RoHS Compliant
CERTIFICATIONS	cUL Listed UL Listed
PRODUCT TYPE	Variable frequency drive

Powering Business Worldwide

Product specifications

BRAKE CHOPPER	Brake chopper
HORSEPOWER	500 hp
OPERATING TEMPERATURE	-10° to 50°C
PHASE	Three-phase input, three-phase output
PROTECTION FILTERING	EMI and DC Choke
FRAME SIZE	8
KEYPAD	Included
DISPLAY	LCD graphical
TORQUE RATING	CT
COMMUNICATION	EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU communication
ENCLOSURE	IP00
PROTECTION	Internal EMC filter, DC choke
OUTPUT CURRENT - MAX	590 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	315 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	590 A
HIGH OVERLOAD (CT) KW	315 kW
HIGH OVERLOAD (CT) HP	500 hp
LOW OVERLOAD (VT) AMPS	650 A
LOW OVERLOAD (VT) KW	355 kW
LOW OVERLOAD (VT) HP	500 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
RECOMMENDED FUSE SIZE	2 x 400

Resources

CATALOGS	eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf
MULTIMEDIA	PowerXL DG1 Variable Frequency Drive - Setup via WebUI Power XL General Purpose Drives
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - DG1-34590FB-C00C

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

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