Specifications



Photo is representative





Eaton DG1-34072FN-C21C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 37 kW 50 Hp CT 3PH 50/60 Hz 72A output IP21/type 1 enclosure FR5 LCD Internal EMC filter and DC choke EtherNet, RS-485, BACnet MS/TP, Modbus TCP and RTU ports 2 exp slots

General specifications	
PRODUCT NAME	Eaton PowerXL DG1 variable frequency drive
CATALOG NUMBER	DG1-34072FN-C21C
UPC	786685878867
PRODUCT LENGTH/DEPTH	27.75 in
PRODUCT HEIGHT	16.25 in
PRODUCT WIDTH	14.5 in
PRODUCT WEIGHT	80 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	C-Tick Compliant RoHS Compliant CE Marked GoST-R
CERTIFICATIONS	EN 61800-5-1 UL 508C IEC 61508 EN 62061 EN ISO 13849-1 EN 61800-3 cUL Listed UL Listed
PRODUCT TYPE	Variable frequency drive

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Product specifications

BRAKE CHOPPER	No brake chopper
HORSEPOWER	50 hp
PHASE	Three-phase in, three-phase out
FREQUENCY RATING	50-60 Hz
FRAME SIZE	5
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	IP21/type 1
INPUT OUTPUT	400 Vac (380-500 Vac)
PROTECTION	Internal EMC filter, DC choke
OUTPUT CURRENT - MAX	72 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	37 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	72 A
HIGH OVERLOAD (CT) KW	37 kW
HIGH OVERLOAD (CT) HP	50 hp
LOW OVERLOAD (VT) AMPS	87 A
LOW OVERLOAD (VT) KW	45 kW
LOW OVERLOAD (VT) HP	60 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	Solid-State Motor Control, Variable Frequency Drives, Volume 6, Tab 2 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 - DG1-34072FN-C21C

RECOMMENDED FUSE SIZE	110
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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