Specifications







Eaton DG1-347D6FB-C21C

Eaton PowerXL DG1 variable frequency drive, 208-240V input 3 kW 5 Hp CT 3PH 50/60 Hz 7.6A output IP21/type 1 FR2 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	DG1-347D6FB-C21C
UPC	786685878751
PRODUCT LENGTH/DEPTH	17.5 in
PRODUCT HEIGHT	13 in
PRODUCT WIDTH	9.5 in
PRODUCT WEIGHT	16 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 EN 62061 EN ISO 13849-1 IEC 61508 EN 61800-3 cUL Listed UL Listed
PRODUCT TYPE	Variable frequency drive

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Product specifications

BRAKE CHOPPER	Brake chopper
HORSEPOWER	5 hp
PHASE	Three-phase in, three-phase out
FREQUENCY RATING	50-60 Hz
FRAME SIZE	2
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
INPUT OUTPUT	460 Vac (380-500 Vac, -15%, +10%)
PROTECTION	Internal EMC filter, DC choke
OUTPUT CURRENT - MAX	7.6 A
SOFTWARE	Active energy control, quick start wizard
NUMBER OF SLOTS	2 expansion slots
MATERIAL	Coated board
POWER CONSUMPTION	3 kW
ELECTROMAGNETIC COMPATIBILITY FILTER	EMC Filter
INTERNAL DC CHOKE	Yes
CONFORMAL COATED BOARDS	Yes
USER INTERFACE	Graphical Keypad
HIGH OVERLOAD (CT) AMPS	7.6 A
HIGH OVERLOAD (CT) KW	3 kW
HIGH OVERLOAD (CT) HP	5 hp
LOW OVERLOAD (VT) AMPS	9 A
LOW OVERLOAD (VT) KW	4 kW
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	15

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 - DG1-347D6FB-C21C

SIZE	
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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