Specifications



Photo is representative





Eaton DG1-347D6FB-C54C

Eaton PowerXL DG1 variable frequency drive, 380-500V input 3 kW 5 Hp CT 3-ph 50/60 Hz 7.6A o/p IP54/type 12 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-C54C
UPC	786685887791
PRODUCT LENGTH/DEPTH	17.25 in
PRODUCT HEIGHT	12.75 in
PRODUCT WIDTH	9.25 in
PRODUCT WEIGHT	16.48 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

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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	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
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 SIZE	15
COMMUNICATIONS	EtherNet/IP, Modbus TCP,

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-C54C

ONBOARD	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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