Product specifications

# Eaton DH1-34170DN-C21C

## Catalog Number: DH1-34170DN-C21C

Eaton PowerXL DH1 VFD,170A,125 HP,90 kW,380 - 480 Vac,KEYPAD,No EMC Filter,DC Choke,No Brake Chopper,IP21

### General specifications

**Product Name**
Eaton PowerXL DH1 variable frequency drive

**Catalog Number**
DH1-34170DN-C21C

**UPC**
786678007922

**Product Length/Depth**
11.34 in

**Product Height**
34.98 in

**Product Width**
13.41 in

**Product Weight**
154.32 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**
RoHS Compliant C-Tick Compliant CE Marked GoST-R

**Certifications**
cUL Listed EN 62061 IEC 61508 UL Listed UL 508C EN ISO 13849-1

## Product specifications

### Max overload

110% for 1 minute

### Modification

DC choke

### Options

Without EMC filter

### Rating

IP21

### Motor control modes

Frequency Control, Speed Control, Open Loop Speed Control, Open Loop Torque Control

### Internal DC choke

Yes

### Conformal coated boards

Yes

### Low overload (VT) kW

90 kW

### Amperage Rating

170A

### Communications onboard

BACnet/IP, Modbus TCP, Modbus RTU, BACnet MS/TP

### Motor type

Induction

### Electromagnetic compatibility filter

None

### User interface

Graphical Keypad

### Extended I/O card

BACnet MSTP/IP

### Power consumption

110 kW

90 kW

### Horsepower

125 hp

### Voltage rating

480 V

## Resources

### Catalogs

Adjustable Frequency Drives

### Specifications and datasheets

Eaton Specification Sheet - DH1-34170DN-C21C

Communication

Modbus RTU/TCP

Communication interface

PROFIBUS-DP

Low overload (VT) hp

125 HP

Low overload (VT) amps

170A

Output frequency range

0 - 400 Hz

Series

DH1

Relay outputs

3

Input voltage range

380 - 480 Vac

Recommended fuse size

200A

Keypad

Included

Input frequency range

50 - 60 Hz

Display

LCD graphical

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