

Frequently Asked Questions

ACS320 HVAC Pump & Fan AC Drive

What comes standard on the ACS320?

- ACS320 User's Manual
- Blank Panel
- Wire Brackets

How do I get electronic copies of the ACS320 User's Manual?

- Log onto www.abbnw.com and download the recent versions - available at the time of product sales release.

What options ARE compatible with the ACS320?

- Relay Extension Modules (MREL-01)
- Basic Control Panel (+J404) Rev. M or Later (ACS-CP-C)
- Advanced HVAC Control Panel Rev.X or later (ACH-CP-B)
- Control Panel Mounting Kit (ACS/H-CP-EXT)
- Panel Holder Mounting Kit (OPMP-01)
- NEMA 1 Enclosure Kits (MUL1-R1, MUL1-R3, MUL1-R4)
- Remote Monitoring - Ethernet Adapter (gateway) (SREA-01)
- PC Tools and adaptors
 - FlashDrop (version 1.2 or later) (MFDT-01)
 - DriveWindow Light 2 (Version 2.9 or later)

What functionality is NOT in the ACS320?

- Brake Chopper
- Sequence Programming
- Vector Control
- Line Reactor / Swinging Choke

What options ARE NOT compatible with the ACS320?

- Pulse Encoder Module (MTAC-01)
- Fieldbus Adaptor Modules
 - PROFIBUS (FPBA-01) (+K454)
 - DeviceNet (FDNA-01) (+K451)
 - Ethernet (FENA-01) (+K466)
 - LonWorks (FLON-01) (+K452)



What functionality is in the ACS320?

- Embedded Protocol - Modbus RTU (EIA-485), Johnson Controls N2, Siemens Building Technology FLN (P1), BACnet (MS/TP)
- Built-in Pump Fan Control (control method to operate with multiple pumps or fans)
- Boosted Energy Efficiency – built-in energy counters, energy saved displayed in local currency
- Software controlled cooling fan
- Several drive control methods
- U/f curves: linear, squared, user defined
- Energy optimizer (energy optimizer minimizes motor losses and noise, while reducing motor magnetizing current especially on partial loads)
- Energy Efficiency Calculators (Savings in local currency units)
- Full output current rating at 50°C
- Software controlled phase inversion
- Built-in Specific Pump Fan Control (Used for pump and fan applications to avoid high pressure peaks while connecting new Auxiliaries)
- Pump Protection Functions (Pump protection function can be used to generate alarm, protection or fault)

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