Frequently Asked Questions
ACS320 HVAC Pump & Fan AC Drive

What comes standard on the ACS320?
- ACS320 Short Form User's Manual
- Blank Panel
- Wire Brackets

How do I get electronic copies of the ACS320 User's Manual?
- Log onto www.abbnow.com and download the recent versions

What options ARE compatible with the ACS320?
- Relay Extension Modules (MREL-01)
- Basic Control Panel (+J404) (ACS-CP-C)
- Advanced HVAC Control Panel (+J400) (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
  - 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?
- Fieldbus Adaptor Modules
  - Profibus-DP (FPBA-01) (+K454)
  - DeviceNet (FDNA-01) (+K451)
  - Ethernet (FENA-01) (+K466)
  - LonWorks (FLON-01) (+K452)

What do I do if I require an option that is not compatible with the ACS320?
- Consult the factory (HVAC applications engineering) for alternate solutions

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)
Contact us

ABB Inc.
Low Voltage Drives
16250 W. Glendale Drive
New Berlin, WI 53151 USA
Phone:  (800) 752-0696
Fax:     (262) 785-0397
Web:    www.abb.us/drives

ABB Inc.
Low Voltage Drives- Canada
3299 J.B. Deschamps Blvd
Lachine, Quebec H8T 3E4
Phone:  (800) 215-3066
Fax:     (514) 420-3137
Web:    www.abb.com