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)

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