

# FRENIC-Ace-H

*Saving energy in HVAC and water pumping applications*



# **FRENIC-Ace-H**

Power conservation and cost reductions through energy saving in HVAC and water pumping applications

- **NEW: Quadruple Rating**

- **System Protection Functions**

- Slow flow rate
- Check valve protection
- Initial acceleration time
- Over pressure
- PID alarms
- Wire break detection

- **Water supply and drainage system function**

- Dynamic torque vector control
- Cascade control (up to 4)
- PID control (2 PID)
- Mutual operation (up to 4)
- Floating method
- Fire mode
- Starting mode (Auto search)
- Auto energy saving
- Customizable logic, Mini PLC (200 steps)
- Automatic deceleration
- Password function

- **STO functional safety function as standard**

- STO SIL 3, Cat 3, PL e

- **Built-in EMC filter**

- Built-in category C2/C3 EMC filter
- \* All types are "E", except for 200 V >30 A: "S" type

- **PM synchronous motor drive**

- PM motor drive is now possible with PM sensorless vector control.

- **Comprehensive communication support**

Equipped with BACnet communication protocol as standard to facilitate the productization of a variety of control and communication options. Construction of system support is made easily with these functions.

- Standard support:

- RS485
- Modbus RTU
- BACnet MS/TP
- Metasys N2

- Option cards:

- Profibus DP
- DeviceNet
- Lonworks
- BACnet/IP
- Ethernet/IP
- Profinet I/O
- CAN Open
- CC-Link
- Relay output
- Analog I/O expansion
- Digital I/O expansion
- Thermistor PT100 input card

- **Keypad built-in**

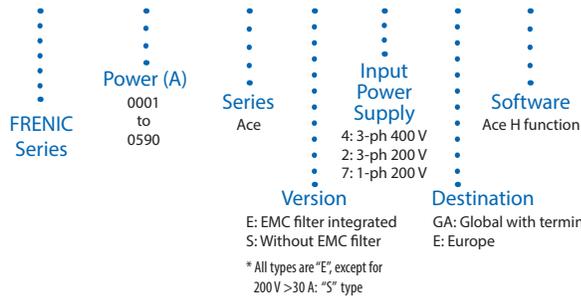
- **Multi-function keypad (option)**

- Support for 19 languages + 1 customizable language

- **Pursuit of cost competitiveness**

- Competitiveness realized with optimum design.

**FRN 0012 E2 E -4 GA H**



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