

CombiAC-X & CombiAC-X PW Controller



The CombiAC-X controller is suitable for pedestrian, small stacker trucks, and order pickers fitted with encoderless asynchronous motors up to 2,0 kW, and DC series pump motor up to 5 kW.

Sensorless/Sense coil version same as above but with ZAPI patented sensorless/sense coil control algorithm to be used with encoderless AC motor.

Technical details

Power section

Power supply: 24V 36V 48V

Maximum current:

- Combi AC-X: 24V 165Arms (2') + 280Adc pump
- Combi AC-X: 36-48V 140Arms (2') + 240Adc pump
- Combi AC-X PW: 24V 240Arms (2') + 280Adc pump
- Combi AC-X PW: 36-48V 210Arms (2') + 240Adc pump

Ambient Temperature range: -40° +40° C

Maximum heatsink temperature:

85°C (starts to reduce current)

Mechanics

Dimensions: 138x180x87 mm

Connector: Minifit

Protection: IP54

Al finned heatsink

I/O

11 Digital inputs (input range - Batt ÷ + Batt)

2 Analog inputs (input range 0 ÷ 12V)

1 Analog input: motor temperature sensor

1 Incremental encoder port

6 Outputs driving to - Batt

1 Output for EVP proportional valve, current controlled

2 LED outputs

Other features

Flash memory embedded

Can interface

Serial link

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