

## CombiAC-1 Controller



The COMBIAC-1 CONTROLLER is suitable for pedestrian, small stacker trucks, and order pickers fitted with asynchronous motors up to 3,5 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 80V

Maximum current:

- (24V) 350 Arms (2') + (150-350) A DC pump

- (36V) 350 Arms (2') + (150-350) A DC pump

- (48V) 300 Arms (2') + (150-300) A DC pump

- (80V) 225 Arms (2') + 225 A DC pump

Ambient Temperature range: -40° +40°C

Maximum heatsink temperature:

85°C(starts to reduce current)

#### Mechanics

Dimensions: 150x230x125 mm

Connector: Ampseal

Protection: IP65

Al finned heatsink

#### I/O

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

2 Analog inputs (input range 0 ÷ 12V )

1 Analog input: motor temperature sensor

1 Incremental encoder port

8 Outputs driving to - Batt:

1 output prop.valve

#### Other features

2 microcontrollers

Flash memory embedded

Can interface (also with CAN tiller card)

Serial link

[Back](#)