

## Combi Inverter

17k3k

inverter.aux\_inverter.single\_inverter.17k3k:

### Power Data:

- AC output power @ 570 V DC : 17 kVA,
- DC output power @ 570 V DC: 3 kW / 24 V  $\pm 15\%$  / max. 125 A (optional 1.5 kW/ 12 V  $\pm 15\%$  / max. 125 A),
- Nominal DC voltage: 750 V,
- DC input voltage range: 450 – 850 V,
- max. AC output voltage @ 3 AC: 500 V,
- Rated current @ 4 kHz : 25 A,
- Peak current for 60 s @ 4 kHz : 27 A,
- Peak current for 1 s @ 4 kHz: 30 A,
- Output frequency : 0 – 599 Hz (optional up to 1,200 Hz),
- Control supply voltage : 24 V DC ( $\pm 20\%$ ) optional 12 V DC ( $\pm 20\%$ ),
- Ambient temperature : -25 to 50 °C,
- Coolant temperature : None

### Pulse frequency :

- 1 kHz: Power: 15 kW, Rated current: 25 A, Peak current (60 s): 27 A, Peak current (1 s): 30 A, Power loss: 300 W
- 4 kHz: Power: 15 kW, Rated current: 25 A, Peak current (60 s): 27 A, Peak current (1 s): 30 A, Power loss: 600 W
- 8 kHz: Power: 8 kW, Rated current: 13 A, Peak current (60 s): 14.3 A, Peak current (1 s): 15.6 A, Power loss: N/A
- 16 kHz: Power: 4 kW, Rated current: 7 A, Peak current (60 s): 7.7 A, Peak current (1 s): 8.3 A, Power loss: N/A

### CONTROL HARDWARE:

- Analog I/O: 2x IN ( $\pm 10$  V or  $\pm 20$  mA) and 2x OUT ( $\pm 5$  V, max. 5 mA),
- Digital I/O : 4x IN / 4x OUT / 4x IN/OUT,

- Service interface: RS485,
- Communication interface : CANopen / SAE J1939,
- Motor temperature control : PTC, PT1000, KTY,
- Encoder system : as option
- Resolver input voltage: none

#### Mechanical Data:

- Dimensions w/o connectors [L × W ×H]: 325 × 427 × 148 mm [L × W ×H],
- Weight : 7.5 kg,
- Degree of protection : IP67 (IP6K9K as option),
- Type of cooling: Air General Data:
- User Interface REFUdriver software tool
- Electromagnetic compatibility : UN ECE R10, EN 61800-3
- Device protection: Short circuit, earth fault, over current, voltage and temperature monitoring, motor temperature monitoring
- Configurations: Motor inverter, generator inverter, DC-DC converter, charging devices, on-board power supply
- Cable connection : Cable gland / plug connector APPLICATIONS:
- Public transportation
- Construction equipment
- Commercial vehicles
- Municipal vehicles