

Cabinet Inverter

55kVA

inverter.cabinet_inverter.55kva:

Power Data:

- AC output power: 55kVA
- DC input voltage : UDC = 400 V – 750 V +5 % / -10 %
- AC output voltage : 3 AC 0 – 400 V (500 V)
- Rated current @ 4 kHz : 82 A
- Peak current @ 4 kHz 60 s : 107 A
- Peak current @ 4 kHz 1 s : 144 A
- Peak current @ 4 kHz 0,5 s : 164 A
- Output frequency 0 – 599 Hz (0 – 1,600 Hz)
- Temperature range -25 to +55 °C (derating from +40 °C)

CONTROL HARDWARE:

- Communication interface CANopen (optional: Profinet)
- Inputs and outputs : Digital inputs / outputs 4 Digital inputs 4 Digital outputs 4 Analog inputs / outputs 2 Relay outputs 1
- User Interface : Ext. control panel, REFUdriver software tool
- Encoder system : Resolver, HTL, TTL, sine/cosine encoder

Mechanical Data:

- Dimensions [L × W × H] : 403 × 462 × 180 mm
- Weight : 28 kg
- Degree of protection : IP 20
- Type of cooling : Air-push through

General Data:

- Protective functions: Device protection (over current, voltage or temperature), motor temperature monitoring
- Electromagnetic compatibility: EMC product standard for electrical drives EN 61800-3
- Functional safety : STO (IEC/EN 61800-5-2-), Cat. 3, PL e (EN ISO 13849-1), SIL 3 (IEC /EN 61508)

APPLICATIONS:

- Public transportation
- Construction equipment

- Commercial vehicles
- Municipal vehicles
- Port equipment