# EVF9322-CVV003

Lenze · 9300 vector

Three-phase frequency inverter of the Lenze 9300 vector series in cold-plate mounting design (suffix C), 150% overload.

## Hardware

**Control:** V/f characteristic control; vector control (sensorless speed control) selectable
**Overload:** 150% rated torque for 60 s (per official product information)
**Rated motor power:** 0.75 kW (4-pole asynchronous motor, 3 AC 400 V)
**Output current:** 2.5 A nominal at 8 kHz chopper frequency
**Max. output current:** 3.7 A maximum for 60 s
**Output power:** 1.7 kVA nominal
**Chopper frequency:** adjustable 2, 4, 8 or 16 kHz
Mounting: cold-plate (push-through) design, no integrated fan; requires external cooler (thermal resistance per official manual)

## Communication

Built-in ports: AIF automation interface (X1) for pluggable fieldbus module; system bus CAN (X4); incremental encoder input (X8)
Protocols: CAN system bus; fieldbus modules pluggable via AIF (LECOM-A/B RS232/485, PROFIBUS DP, CANopen, DeviceNet, INTERBUS, LON per official product information)
**Communication expansion:** pluggable fieldbus module on X1 AIF interface (none integrated as standard)

## Electrical

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Output frequency range: 0 ... 600 Hz max at 16 kHz chopping frequency; 0 ... 300 Hz max at 8 kHz; 0 ... 150 Hz max at 2 kHz; 0 ... 150 Hz at 4 kHz for sizes 9321-9333 (chopping-frequency dependent, per official Lenze AKB 20031153)
Supply voltage: 3/PE AC 320 to 528 V nominal, 45 to 65 Hz; alternative DC supply 460 to 740 V DC (per official product information)
Power consumption (power loss Ploss): 65 W (per official product information rated data table; device heat dissipation)

## Environmental

Operating temperature: 0 to +40 °C rated; +40 to +55 °C with output current derating 2.5%/°C above +40 °C (per official 9300 vector system manual EDSVF9333V v3.0, 9321-9326 family)
**Storage temperature:** -25 to +55 °C (per official product information 9300 vector; transport -25 to +70 °C)
Relative humidity: average 85 % RH, without condensation (climatic class 3K3 per EN 50178); per official product information 9300 vector
**Protection rating:** IP20 (NEMA 1, per official product information)

## Physical

**Dimensions (H×W×D):** 350 × 78 × 168 mm (cold-plate body; b1×a×e per official system manual cold-plate drawing)
**Weight:** 3.9 kg

## Lifecycle

Legacy: official Lenze product information / previous-products documentation lists this order code; superseded by newer drive generations; official migration path to i950 exists - Lenze lists 9300 within the i950 migration set (8200vector, 9300, 8400, 9400) via i950 PROFIBUS module / L_ICIP library (per Lenze AKB articles **321231/316137); no drop-in same-order-code replacement (Last verified:** 2026-10)
**Audit status:** OFFICIAL_VERIFIED