33.8214-E

Lenze · 821X-E

8214-E three-phase frequency inverter (old Lenze order code 33.8214-E; current designation EVF8214-E), 3.0 kW class, 3~ 400 V mains, 120 % overload.

Hardware

Rated motor power: 3.0 kW typical (4-pole three-phase asynchronous motor)
Overload: 120 % (max. output current for 60 s)
Rated output current: 7.3 A at 8 kHz switching frequency
Max. output current: 11.0 A for 60 s
Rated mains current: 7.0 A with mains filter/choke
Power loss: 100 W

Communication

Built-in ports: control terminal strip
Protocols: None built-in (older 821X-E platform)
Communication expansion: Not published by manufacturer (older 821X-E platform)

Electrical

Supply voltage: 3~ 400 V / 50/60 Hz; DC link 450 … 650 V

Environmental

Operating temperature: 0 … +40 °C without derating; +40 … +50 °C with derating (2.5 %/K), per OI 3.1
Storage temperature: -25 … +55 °C, per OI 3.1
www.autronexa.com
Relative humidity: average 85 % RH, without condensation (humidity class F, per official OI 8210 series General data 3.1)
Protection rating: IP20 (NEMA 1; protection against contact), Types 821X per OI 3.1

Physical

Dimensions (H×W×D): 283 × 83 × 211 mm (overall mounting envelope: height b=283, width a=83, depth e=211; body height d=263, per OI Fig. 4-1 drawing K35.0074)
Weight: 2.2 kg, per OI 3.2.1 (Types 8211-8214)

Lifecycle

Legacy: 821X-E is a superseded Lenze frequency inverter family; old order code 33.8214-E confirmed to map to type 8214-E / EVF8214-E in the official 82XX operating instructions (datasheet document 821XBA0304, Fig. 4-1 drawing K35.0074). Environmental and physical data cross-referenced to current designation EVF8214-E per official Lenze Operating Instructions Global Drive Frequency inverters series 8210 (MNL-NML-NVT-MQLOMMO) (Last **verified:** 2026-10)
Audit status: DERIVED_CROSS_REF