

# 8200 vector frequency inverter





## Inverter



### Rated data

- ▶ The data is valid for operation at 1/N/PE (3/PE) AC 230 V or DC 325 V.
- ▶ Unless otherwise specified, the data refers to the default setting with a switching frequency of 8 kHz.

→ Other rated data, e.g. for operating with increased rated power  
**DS\_GD\_8200v\_0001**  
 Available for download at [www.lenze.de/dsc](http://www.lenze.de/dsc)

|   |                       |                                       |  |  |  |
|---|-----------------------|--|--|---|---|
| <b>Motor power</b><br>(asynchronous motor, 4-pole)              | $P_N$ [kW]            | 0.55   | 0.75   | 1.5   | 2.2   |
| <b>Product key</b><br>Filter integrated <sup>2)</sup>           |                       | E82EV551K2C  | E82EV751K2C  | E82EV152K2C   | E82EV222K2C   |
| No filter   |                       | E82EV551K2C200   | E82EV751K2C200   | E82EV152K2C200  | E82EV222K2C200  |
| <b>Mains voltage range</b>                                      | $U_{\text{Netz}}$ [V] | 1/N/PE AC 180 V -0% ... 264 V +0%; 45 Hz -0% ... 65 Hz +0%<br>3/PE AC 100 V -0% ... 264 V +0%; 45 Hz -0% ... 65 Hz +0% |  |   |   |
| <b>Alternative DC supply</b>                                    | $U_{\text{DC}}$ [V]   | DC 140 V - 0 % ... 370 V + 0 %   |  |   |   |
| <b>Rated mains current</b><br>Without mains choke 1/N/PE        | $I_{\text{Netz}}$ [A] | 6  | 9  | 15  | 4)  |
| With mains choke 1/N/PE   | $I_{\text{Netz}}$ [A] | 5.6  | 7.5  | 12.5  | 18  |
| Without mains choke 3/PE  | $I_{\text{Netz}}$ [A] | 3.9  | 5.2  | 9.1   | 4)  |
| With mains choke 3/PE   | $I_{\text{Netz}}$ [A] | 2.7  | 3.6  | 6.3   | 9   |
| <b>Rated output current</b><br>8 kHz                            | $I_N$ [A]             | 3  | 4  | 7   | 9.5   |
| <b>Max. output current</b><br>8 kHz <sup>1)</sup>               | $I_{\text{max}}$ [A]  | 4.5  | 6  | 10.5  | 14.2  |
| <b>Brake chopper data</b><br>Min. brake resistance              | R [Ohm]               | 90   |  | 47  |   |
| <b>Power loss</b>   | $P_V$ [W]             | 50   | 60   | 100   | 130   |
| <b>Dimensions</b><br>Height                                     | H [mm]                | 180  |  | 240   |   |
| Width   | B [mm]                |  |  | 60  |   |
| Depth   | T [mm]                |  |  | 140   |   |
| <b>Mass</b>   | m [kg]                | 1.2  |  | 1.6   |   |
| <b>Permissible motor cable length</b><br>Shielded <sup>3)</sup> | l [m]                 |  |  | 50  |   |
| Unshielded <sup>3)</sup>  | l [m]                 |  |  | 100   |   |

<sup>1)</sup> 60 s

<sup>2)</sup> Max. 20 m motor cable (shielded) for category C2 according to EN 61800-3 (motor cable length for category C1 depends on inverter type and switching frequency)

<sup>3)</sup> Permissible cable length may be affected if EMC conditions have to be met.

<sup>4)</sup> Operation only permitted with mains choke

→ Dimensioned drawings  
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