

Frequency inverter



Versatile, robust, tried-and-tested

Lenze

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

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

¹⁾ 60 s

²⁾ 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)

³⁾ Permissible cable length may be affected if EMC conditions have to be met.

⁴⁾ Operation only permitted with mains choke

→ Dimensioned drawings
DS_MB_8200v_0001
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