

1.3 Technical Data

Manufacturer:	S I G M A Laborzentrifugen GmbH An der Unteren Söse 50 37520 Osterode
Type:	2-16PK
Electr. connection: Protection class: IP code:	See name plate I 20
Connected load (kVA): Power consumption (kW): Max. current consumption (A):	1 0.72 4.0 (at 220-240 V / 50-60 Hz) 8.0 (at 120 V / 60 Hz)
<u>Performance data:</u> Max. speed (rpm): Max. capacity (ml): Max. gravitational field (x g): Max. kin. energy (Nm):	15 300 0.4 21 918 9 962
<u>Other parameters:</u> Time range: Temperature range: Storage locations:	10 sec - 11 h 59 min; short run, continuous run -10 to +40 °C 50
<u>Physical data:</u> Depth (mm): Width (mm): Height (mm): Weight (kg): EMC as per EN 61326: Noise level (dBA):	570 550 320 60 Class B < 65

Fig. 1.1: Technical Data

1.3.1 Ambient Temperature

The figures are valid for an ambient temperature of $+23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and a nominal voltage $\pm 10\%$. The minimum temperature is $< +4^{\circ}\text{C}$ and depends on the rotor type, speed, and ambient temperature. With rotor 12132, it is approx. $+6^{\circ}\text{C}$ at 14000 rpm.

Allowable ambient temperature $+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$.

Max. relative humidity of air 80% up to 31°C with a linear decrease to 67% relative humidity of air at 35°C .

Lowest storage and transport temperature -20°C (see chapter 3 "Transport and Storage", page 20).

* At a nominal voltage of 100V or 200V, a tolerance of $+10\%$ / -5% applies.