

Sigma 3K15 Refrigerated Centrifuge



- Refrigerated table top centrifuge with built in refrigeration system
- Temperature control of rotors also during standstill. CFC-free refrigerant (R 134a)
- Minimum temperature approx. 5 °C at maximum speed (ambient temperature 23°C) at 13 000 rpm approx. 0°C
- Maintenance-free brushless drive motor with exact speed preselection and display. Speed range 100 to 15 300 rpm, accuracy 1 rpm
- Extremely smooth running even at maximum speed
- A microcontroller provides for preselection of gravitational field, speed, rotor, time and temperature
- 20 acceleration and deceleration curves and 10 program memory locations are available
- Magnetic rotor identification prevents overspeeding rotors
- Product according to national and international safety regulations (IEC 1010)

Technical specifications

Power supply [V/Hz]	230 / 50 / 60 or 120 / 60
Power consumption drive [W]	460
Power consumption refig. [W]	520
Maximum rotational speed [rpm]	15 300
Minimum rotational speed [rpm]	100
Maximum capacity [ml]	4 x 200
Interference suppression	55011 / B
Dimensions: Height x Width x Depth [mm]	375x410x675
Weight without accessories [kg]	64
Max. kinetic energy [Nm]	9970
Noise level at max. speed (approx.) [dB (A)]	
Rotor No. 12154 at 14500 rpm	66
Rotor No. 11132 at 5000 rpm	< 63
Max. acceleration [s]	
Rotor No. 12154	26
Rotor No. 11132	20
Max. deceleration [s]	
Rotor No. 12154	41
Rotor No. 11132	28
Min. rotor temperature at 23°C ambient temperature [°C]	
Rotor No. 12154 14000 rpm resp. 15300 rpm	+2 resp. +5°C
Rotor No. 11132 5000 rpm resp. 5500 rpm	-2 resp. +4°C