

## High-Speed Refrigerated Centrifuge, 24,000 rpm



Here is the detailed description of the **High-Speed Refrigerated Centrifuge** model MSCLDUI35SMSWISS:

Features:

- **Universal Compatibility:** Offers multiple rotor options including a fixed-angle rotor, swing-bucket rotor, and plate rotor.
- **User-Friendly Interface:** Equipped with a microprocessor touch-keypad, LED display for easy viewing of rotor model, time, RCF (Relative Centrifugal Force), and speed.
- **Soft Touch Keypad:** Features a dedicated key for RCF settings and easy parameter adjustments.

- **Quiet & Maintenance-Free Operation:** Powered by a brushless drive for quiet, maintenance-free performance.
- **Enhanced Safety:** Includes a double lid and lock system with automatic door locking upon operation start.
- **Programmability:** Supports 20 standard programs with customizable settings.
- **Adjustable Acceleration/Deceleration:** 15 levels for both acceleration and deceleration.
- **Versatile Settings:** Offers RPM and RCF setting functions, along with a short spin feature.
- **Durable Structure:** Constructed with a double-layer steel frame and anti-corrosion coating.
- **Safety Features:** Automatic rotor recognition and imbalance detection for operational safety, with an audible alarm in case of error or imbalance.
- **In-Run Adjustability:** Allows speed, RCF, time, and temperature adjustments during operation without needing to stop.
- **Rapid Acc/Dec:** The acceleration and deceleration time can be as short as 15 seconds.
- **Efficient Cooling:** Pre-cooling and fast cooling functions, capable of reducing temperature by 40° within 10 minutes.
- **Temperature Stability:** Features automatic temperature compensation.
- **Quality Compressor:** Equipped with a Danfoss compressor kit for reliable cooling performance.

#### Technical Parameters:

- **Model:** MSCLDUI35SMSWISS

- **Max. Speed:** 24,000 rpm
- **Max. RCF:** 40,217 xg
- **Max. Capacity:** 4 x 750 ml
- **Speed Precision:**  $\pm 10$  rpm
- **Timing Range:** 1 s to 999 min / continuous / short spin
- **Temperature Range:** -20? to 40?
- **Temperature Accuracy:**  $\pm 1.0?$
- **Noise Level:** ?60 dB
- **Power Supply:** 110/220V, 50/60Hz
- **External Dimensions (W x D x H):** 601 x 791 x 891 mm
- **Net Weight:** 121 kg
- **Gross Weight:** 160 kg

Angle Rotor Capacity:

- **Rotor Model:** MSI6117
- **Capacity:** 6 x 50 ml
- **Max Speed:** 13,000 rpm
- **Max RCF:** 19,838 xg