High-Speed Refrigerated Centrifuge, 24,000 rpm

Model **MSCLDUI35SMSWISS** | Brand **Master Science** | Unit **Pc**



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.

KEY HIGHLIGHTS

- Universal Compatibility
- User-Friendly Interface
- Soft Touch Keypad
- Quiet & Maintenance-Free Operation
- Enhanced Safety

AT A GLANCE

13,000 rpm	6 x 50 ml
MAX SPEED	CAPACITY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Key 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.

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.

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.

Efficient Cooling
Pre-cooling and fast cooling functions, capable of reducing temperature by 40°C within 10 minutes.

Temperature Stability
Features automatic temperature compensation.

Quality Compressor
Equipped with a Danfoss compressor kit for reliable cooling performance.

Technical Specifications

GENERAL

General	ProgrammabilitySupports 20 standard programs with customizable settings.
General	Adjustable Acceleration/Deceleration15 levels for both acceleration and deceleration.
General	Rapid Acc/DecThe acceleration and deceleration time can be as short as 15 seconds.
General	Max. Speed24,000 rpm
General	Max. RCF40,217 xg
General	Max. Capacity4 x 750 ml
General	Speed Precision±10 rpm
General	Timing Range1 s to 999 min / continuous / short spin
General	Temperature Range-20℃ to 40℃
General	Temperature Accuracy±1.0℃
General	Noise Level≤60 dB
General	Power Supply110/220V, 50/60Hz
General	External Dimensions (W x D x H)601 x 791 x 891 mm
General	Net Weight121 kg
General	Gross Weight160 kg

ANGLE ROTOR CAPACITY

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