



# High Speed Centrifuge

Mini Portable Refrigerated Centrifuge (Touch Screen)  
Benchtop Centrifuge  
Benchtop Refrigerated Centrifuge  
Large Capacity Floor Standing Refrigerated Centrifuge



## Mini Portable Refrigerated Centrifuge (Touch Screen)

RoyLab Portable Refrigerated Centrifuge (Touch Screen) is uniquely designed for your production need, high speed cooling centrifuges are versatile tools for a wide range of separations. This lab equipment is designed to provide more throughput, faster turns, and greater control over workflows. Mini Portable High Speed Refrigerated Centrifuge is designed with imbalance sensor and over speed sensor, the centrifuge body made by high-quality steel.

Brand:	RoyLab
Speed Accuracy:	$\pm 10\text{rpm}$
Temperature Range:	$-20^{\circ}\text{C}$ to $40^{\circ}\text{C}$
Temperature Accuracy:	$\pm 1.0^{\circ}\text{C}$
Ambient Temperature:	$10^{\circ}\text{C}$ to $32^{\circ}\text{C}$
Power Supply:	220V/50Hz



### 7 Inch Touch Screen

7 inch LCD Touch Screen one-touch solution at your fingertips; automatically electric lid lock. Super speed, over temperature protection and imbalance protection. Flexible axle driven system which drive the rotor directly, smooth in operation.



### Various Selection of Rotors Adapters Fit Your Need

Experience true versatility with a broad selection of rotors and adapters that facilitate mixed loading of tubes, bottles and plates. A new generation of rotors increase the capacity. The various plate rotors is ready for your to carry our centrifugation of all types of multiwell plates, such as PCR, cell culture, or deep-well plates.



### Intelligent and Adjustable

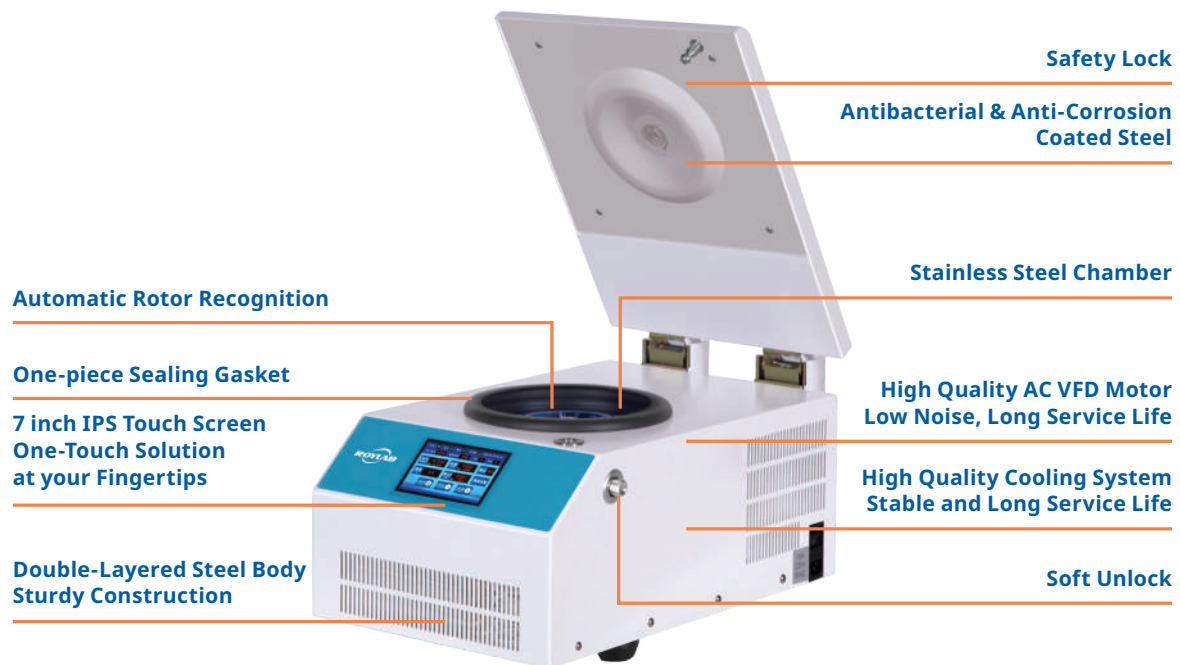
Brushless DC frequency motor, longer life and low noise, Imported compressors, fluorine-free, double cycle cooling, cold and hot alternating easily, environment pollution-free and precise in temperature control, Microprocessor control speed, temperature and time, touch panel, 15 kinds of accelerating and deceleration speed.



### Standby Cooling Design

Standby cooling design precools the chamber to set temperature before operation; soft brake design prevents sample resuspension and protect your sensitive sample.

### Constructions & Functions



### Product Features



#### Safety Design

Lid locks as soon as centrifuge activated; Double layer steel construction create a sturdy and safe chamber; Stainless centrifuge chamber, anti-rust and anticorrosion, easy to clean; Automatic unbalance detection, auto-shutdown when unbalance alarms; Sinking exhaust channel design prevents aerosol pollution during centrifugation; Aerosol-tight fixed-angle rotor for better biosecurity.



#### Fast Cooling

Cool Down to 4 degree in 5 minutes; Temperature Range: -20 Degree to 40 Degree; Programmable differential RCF program 5 reserved programs can be set by users; All rotors maintain 4 degree at maximum rotor speed; Standby Cooling design precools the chamber to set temperature before operation.



#### Touch Screen

One-touch solution at your fingertips; LCD touch screen with microprocessor control. All functions and parameters are integrated for easy operation; 1s~99h59m59s with continuous mode, shot spin; Spot spin centrifugation.



#### Humanized Design

Parameters can be adjusted during running without stopping; ECO shut-off engages after cooling down to set temperature reduce energy consumption and extend compressor life; Low sound level to benefit your work environment.



#### Intelligent Design

Automatic Rotor ID detection; Brushless AC Inverter Motor with particular drive modules that makes the centrifuge with low notice and long service life; Better acceleration and deceleration times, within 15 seconds.



#### Outstanding Versatility

Broad rotor and adapter selection; Multiple optional programmable centrifugation programs improve work efficiency; SOFT BRAKE design prevents sample resuspension and protect your sensitive samples; Multi-layer damping shock absorption design ensures good centrifugal effect.



#### High Quality Materials

Antibacterial & anti-corrosion coated steel; Stainless steel chamber one-piece sealing gasket; Double-layer steel body sturdy constructions.



#### Safety Design

Double lock system works as soon as the centrifuge activated; Automatic unbalance detection, auto-shutdown when unbalance alarms.

## Benchtop Centrifuge

RoyLab Benchtop Centrifuge is a remarkable machine engineered for high-speed performance. The compact design of our high-speed benchtop centrifuge makes it ideal for limited lab spaces without compromising on power and efficiency. Experience centrifugation at its maximum speed, with this advanced centrifuge model offering unparalleled performance.



Brand:	RoyLab
Speed Accuracy:	±10rpm
Temperature Range:	-20°C to 40°C
Temperature Accuracy:	±1.0°C
Ambient Temperature:	10°C to 32°C
Power Supply:	220V/50Hz



## Constructions & Functions

### Larger LCD Display

Vivid display of Rotary speed, RCF, Temperature, Time-counting, Rotor model, Acceleration / Deceleration curve.

### Quick-Spin key for Short Operation

Press 'Quick spin' key for short running, the rotary speed will accelerate to rotor's maximum speed - avoid inconvenient value setting for short process.

### 3 Shortcut Keys for Stored Setting

A collection of pre-set values can be saved for quick and easy loading.

### The design of Smart Knob

Ergonomically sized touchpad controls with a smart knob improve easy use in daily operation.



### Quick Keys for Parameter Setting

Facilitate different using habits.

### Acceleration/Deceleration Curve

3 level acceleration and deceleration curve can be chosen to satisfy various application requirements.

### Automatic Rotor Identification for Reliable Operation

Different rotors are automatically recognized by the system and audio and visual alarm will indicate the empty running, failure of rotor identification and excess of maximum speed.

### Safety System

Audio and visual alarming is given while overheat, excess of rotary speed limit or any other system failures.

## Product Features



### Safety Design

Lid locks as soon as centrifuge activated; Double layer steel construction create a sturdy and safe chamber; Stainless centrifuge chamber, anti-rust and anticorrosion, easy to clean; Automatic unbalance detection, auto-shutdown when unbalance alarms; Sinking exhaust channel design prevents aerosol pollution during centrifugation; Aerosol-tight fixed-angle rotor for better biosecurity.



### Fast Cooling

Cool Down to 4 degree in 5 minutes; Temperature Range: -20 Degree to 40 Degree; Programmable differential RCF program 5 reserved programs can be set by users; All rotors maintain 4 degree at maximum rotor speed; Standby Cooling design precools the chamber to set temperature before operation.



### Touch Screen

One-touch solution at your fingertips; LCD touch screen with microprocessor control. All functions and parameters are integrated for easy operation; 1s-99h59m59s with continuous mode, shot spin; Spot spin centrifugation.



### Humanized Design

Parameters can be adjusted during running without stopping; ECO shut-off engages after cooling down to set temperature reduce energy consumption and extend compressor life; Low sound level to benefit your work environment.



### Intelligent Design

Automatic Rotor ID detection; Brushless AC Inverter Motor with particular drive modules that makes the centrifuge with low notice and long service life; Better acceleration and deceleration times, within 15 seconds.



### Outstanding Versatility

Broad rotor and adapter selection; Multiple optional programmable centrifugation programs improve work efficiency; SOFT BRAKE design prevents sample resuspension and protect your sensitive samples; Multi-layer damping shock absorption design ensures good centrifugal effect.

## Benchtop Refrigerated Centrifuge



RoyLab Benchtop Refrigerated Centrifuge offers the functionality of three centrifuges: high-capacity, general-purpose centrifuge for cell harvesting; a high-speed centrifuge for separating cell lysates; and a microcentrifuge for DNA precipitations. They are widely used in routine laboratories research in the fields of bioscience, medicine and industry.



Brand:	RoyLab
Speed Accuracy:	$\leq 15000\text{rpm}$
Temperature Range:	$-10^{\circ}\text{C}$ to $40^{\circ}\text{C}$
Temperature Accuracy:	$\pm 1.0^{\circ}\text{C}$
Power Supply:	220V/50Hz

## Introduction

Heal Force high speed laboratory centrifuge is approved by multiple certifications. The Neofuge 13 and 13R refrigerated centrifuge provide excellent solution for your sample preparation and experiment requirements.

## Larger LCD Display

Vivid display of Rotary speed, RCF, Temperature, Time-counting, Rotor model, Acceleration / Deceleration curve.

## Real-Time Modification of Parameter

The parameter can be adjusted during the operation to improve your working efficiency.

## Two Time Counting Methods

Time can be counted down at start or at set RPM/RCF achieved.

## Quick Keys for Parameter Setting

Facilitate different using habits.

## Acceleration/Deceleration Curve

3 level acceleration and deceleration curve can be chosen to satisfy various application requirements.

## The design of Smart Knob

Ergonomically sized touchpad controls with a smart knob improve easy use in daily operation.

## 3 Shortcut Keys for Stored Setting

A collection of pre-set values can be saved for quick and easy loading.

## Q-Temperature Key for Quick Pre-Cooling

The function enables quicker pre-cooling through low speed operation. The system is refrigerated by CFC-free unit (R134a).

## Quick-Spin Key for Short Operation

Press 'Quick spin' key for short running, the rotary speed will accelerate to rotor's maximum speed - avoid inconvenient value setting for short process.

## Automatic Rotor Identification for Reliable Operation

Different rotors are automatically recognized by the system and audio and visual alarm will indicate the empty running, failure of rotor identification and excess of maximum speed.

## Safety System

Audio and visual alarming is given while overheat, excess of rotary speed limit or any other system failures.

# Product Features



## Safety Design

Lid locks as soon as centrifuge activated; Double layer steel construction create a sturdy and safe chamber; Stainless centrifuge chamber, anti-rust and anticorrosion, easy to clean; Automatic unbalance detection, auto-shutdown when unbalance alarms; Sinking exhaust channel design prevents aerosol pollution during centrifugation; Aerosol-tight fixed-angle rotor for better biosecurity.



## Fast Cooling

Cool Down to 4 degree in 5 minutes; Temperature Range: -20 Degree to 40 Degree; Programmable differential RCF program 5 reserved programs can be set by users; All rotors maintain 4 degree at maximum rotor speed; Standby Cooling design precools the chamber to set temperature before operation.



## Touch Screen \*Certain models.

One-touch solution at your fingertips; LCD touch screen with microprocessor control. All functions and parameters are integrated for easy operation; 1s~99h59m59s with continuous mode, shot spin; Spot spin centrifugation.



## Humanized Design

Parameters can be adjusted during running without stopping; ECO shut-off engages after cooling down to set temperature reduce energy consumption and extend compressor life; Low sound level to benefit your work environment.



## Intelligent Design

Automatic Rotor ID detection; Brushless AC Inverter Motor with particular drive modules that makes the centrifuge with low notice and long service life; Better acceleration and deceleration times, within 15 seconds.



## Outstanding Versatility

Broad rotor and adapter selection; Multiple optional programmable centrifugation programs improve work efficiency; SOFT BRAKE design prevents sample resuspension and protect your sensitive samples; Multi-layer damping shock absorption design ensures good centrifugal effect.



## High Speed Centrifuge Floor Standing Large Refrigerated Centrifuge with Wheels



# Floor Standing Large Refrigerated Centrifuge with Wheels

RoyLab Floor Standing Refrigerated Centrifuge is vital part of laboratory workflow for processing samples from micro liter volumes to multi-liters batches. To meet the needs of a wide variety of applications from blood banking, advanced research, RoyLab Floor Standing Refrigerated Centrifuge gives you speed and power, along with easy-to-use controls to help your work run smoothly. Powerful combinations of equipment and rotors let you select a suitable centrifuge for every task from genetic and Proteomics applications to pilot-scale vaccine research.



Brand:	RoyLab
Speed Accuracy:	$\pm 10$ rpm
Temperature Range:	-20°C to 40°C
Temperature Accuracy:	$\pm 1.0$ °C
Ambient Temperature:	10°C to 32°C
Power Supply:	220V/50Hz



## Constructions & Functions



## Product Features



### High Quality Materials

Antibacterial & anti-corrosion coated steel; Stainless steel chamber one-piece sealing gasket; Double-layer steel body sturdy constructions.



### Touch Screen

7 inch IPS touch screen one-touch solution at your fingertips; 20 optional programmer centrifugation programs improve work efficiency.



### Safety Design

Double lock system works as soon as the centrifuge activated; Automatic unbalance detection, auto-shutdown when unbalance alarms.



### Intelligent Design

Programmable different RCF program 5 reserved programs can be set by users; Standby Cooling design pre-cools the chamber to set temperature before operation; Soft brake design prevents sample resuspension and protect your sensitive sample.



## Floor Standing Large Refrigerated Centrifuge

Model	RLHSCFS190	RLHSCFS120
Maximum Speed (rpm)	21000	24000
Maximum RCF (xg)	47580	40217
Maximum Capacity (ml)	4* 750	4*750m
Noise (dB)	≤65	≤58
Power Supply	AC220V/50Hz/35A	220V/50Hz
Dimensions (mm)	825*625*910	750*590*890
Power (W)	3500	2000
Weight (kg)	190	120

## Benchtop Refrigerated Centrifuge

Model No.	RLHSCRB47	RLHSCRB126	RLHSCRB38 (Touchscreen)	RLHSCRB70 (Touchscreen)	RLHSCRB108	RLHSCRB90	RLHSCRB95
Speed Range (rpm)	300-13800	300-15000 (adjustable in increments of 100)	15500	18800	24000	23000	23500
Maximum RCF (xg)	17459 (can be extended to 20627)	23,646	23449	26870	40217	36796	38487
Maximum Capacity (ml)	24x1.5 / 2.0, 16x5	4400	24*1.5/2.2	12*10	4*750	6*100	4*300
Rotor Options	N/A	10	N/A	N/A	N/A	N/A	N/A
Temperature Range (°C)	-10 to 40	-10 to 40	-20 to 40	-20 to 40	-20 to 40	-20 to 40	-20 to 40
Power Supply (Hz)	N/A	220V/50 to 60	220V/50	220V/50	220V/50	220V/50	220V/50
Rated Power	480VA	N/A	380W	1000W	1800W	1500W	1500W
Noise At Maximum Speed (dB)	≤58	≤60	≤50	≤58	≤58	≤58	≤58
Dimension (W*D*H) (mm)	525*300*350	790*670*410	540*315*255	613*382*325	666*698*515	510*555*488	570*615*504
Weight (without rotor) (kg)	47	126	38	70	108	90	95