



## Crude Oil Centrifuge

**Labocon Systems Limited**

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# Crude Oil Centrifuge LCOC-100 Series

Labocon Crude Oil Centrifuge LCOC-100 Series is specially designed for determining sediment and water content in crude oils, fuel oils and middle distillate fuels. These units are also used for measuring water and sediment deposits in oil and petroleum industry.

## Features:

- Stainless steel interior and exterior.
- Equipped with electronic door locks to ensure the safe operation of the equipment.
- LCD display is employed to analyse and store rotational speed, temperature and time, helping to achieve automatic control.
- Highly efficient equipment emits less noise and consumes less power.
- Memory storage function.

## Application:

Labocon Crude Oil Centrifuge LCOC-100 Series can be used for moisture determination in oil exploration industries, research institutes, oil refineries and laboratories.

# Crude Oil Centrifuge LCOC-100 Series

## Technical Specifications:

Model	LCOC-101	LCOC-102
Type	Floor type	Benchtop
Max. Speed (RPM)	5000	5000
Max. RCF ( x g)	4390	4390
Max. Capacity	4*200ml	4*100ml
Temperature Range	+10°C ~ +80°C	
Ambient Temperature	15 °C	
Cooling time from start up	±2°C	
Speed Accuracy	±30 rpm	
Speed Control	0-5000rpm	
Set Speed (increments)	20	
Timer range	0-99min	
Set Time (increments)	1 s	
Control System	Microprocessor	
Program Memory	9	
Display	LCD	
Motor (DC/ Brushless)	Frequency Motor	
Acceleration/ Deacceleration Rate	9	
Noise Level	≤60dB	
Power Supply	AC 220V & 110V 50 & 60Hz	

## Crude Oil Centrifuge LCOC-100 Series

Power Consumption	1000 W	750 W
Rotor Material	Aluminium Alloy	
Gross Weight	130 kg	110 kg
Net Weight	108 kg	98 kg
Dimensions (W x D x H) Exterior (For LCD)	800*600*820mm	725*580*470 mm
Packing Dimensions (W x D x H) (For LCD)	910*710*1020 mm	830*710*650 mm
Catalog No.	9144101541	9144102541

### Accessories:

#### Rotors for LCOC-101

Model	No. of tubes x Volume	RPM	RCF(x g)
Swing Rotor			
SR-1	28x10ml	5000	4390
SR-2	4x100ml	3500	2069
SR-3	8x100ml	3500	4100
SR-4	4x200ml	3000	4000



## Crude Oil Centrifuge LCOC-100 Series

### Rotors for LCOC-102

Model	No. of tubes x Volume	RPM	RCF(x g)
Swing Rotor			
SR-1	28x10ml	5000	4390
SR-2	8x50ml	3500	2069
SR-3	4x100ml	3500	2069
SR-4	8x100ml	3500	4100
SR-5	4x200ml	3000	4000



**Ultra High  
Speed Refrigerated  
Centrifuge**

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# Ultra High Speed Refrigerated Centrifuge LUHCR-100 Series

Labocon Ultra High Speed Refrigerated Centrifuge LUHCR-100 Series offers best level of design, functionality, and performance. It has increased productivity and throughput with unparalleled performance. Easy to use and remarkably small footprint are some of its salient features.

## Features:

- It has an efficient vacuum dehydration system for removal of moisture.
- It has been included with vacuum sealed driving system to reduce the wear and tear of the shaft.
- CFC free refrigeration system.
- It is capable of separating subcellular components and viruses.
- The HEPA filter and Hole filter in the device ensure that the discharge of the gas is bacteria free.

## Application:

Ultra High Speed Refrigerated Centrifuge is an ideal separation tool for multiple research applications involving DNA, RNA, viruses, proteins, and more.

It is widely used in biochemistry, cell biology, proteomics, lysate clarification, molecular biology, nanomaterial separations, nucleic acid purification and virus concentration.

## Ultra High Speed Refrigerated Centrifuge LUHCR-100 Series

### Technical Specifications:

Model No.	LUHCR-101
Max. Speed	80000
Max. RCF	645000
Max. Capacity	
Temperature Range	0°C - 40°C
Ambient Temperature	10°C - 35°C
Temperature Accuracy	±2°C
Cooling time from start up	5-10 mins
Refrigerant	R404a
Speed Accuracy	100 rpm
Speed Control	0-80000 rpm
Set Speed (increments)	1000-90000 rpm in 100 rpm increments
Timer range	0-999 hours 59mins
Set Time (increments)	1 min
Control System	microprocessor
Program Memory	35
Display	LCD
Motor (DC/ Brushless)	DC
Acceleration/ Deacceleration Rate	10 acc profiles
Noise Level	≤ 51dB
Power Supply	220V & 240V 50 & 60Hz 30A



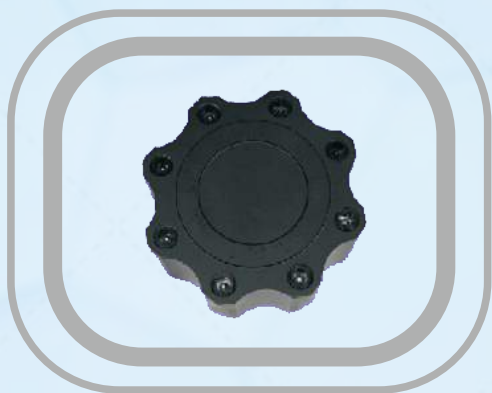
## Ultra High Speed Refrigerated Centrifuge LUHCR-100 Series

Power Consumption	1000 KW
Gross Weight	800*600*820 mm
Net Weight	1000*1000*770 mm
Dimensions (W x D x H) Exterior	940*671*1234 mm
Packing Dimensions (W x D x H)	1200*880*1450 mm
Catalog No.	9141101541

### Accessories:

Model	No. of Tubes x Volume	RPM	RCF(xg)
<b>Angle Rotor</b>			
AR-1	96 x 5/7ml	4000	3840
AR-2	124 x 5/7ml	4000	3840
<b>Vertical Rotor</b>			
VR-1	8 x 5.1ml	80000	645000

## Ultra High Speed Refrigerated Centrifuge LUHCR-100 Series



Vertical Rotor VR-1: 8 x 5.1ml



Angle Rotor AR-1: 8 x 13.5ml



Angle Rotor AR-2: 6 x 38.5ml



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