

FORCED CONVECTION OVEN



LABOCON

DRYING OVEN LFCO-100 SERIES

Labocon Forced Convection Oven LFCO-100 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

Features

- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Semicircular arcs at corners for easy cleaning
- Wide hollow tempered glass observation window
- Adjustable air-tight buckle lock and silicone rubber seal ensures tight sealing and prevents heat loss
- Easy to assemble and disassemble air duct lateral plate and bottom heater cover
- Air blower-heater and vertical hot air circulation system ensures temperature uniformity
- Microcomputer PID intelligent temperature controller with LCD display
- Independent temperature safety device
- Over temperature protection and timing function
- Optional
- Multi-staged temperature controller
- Long-distance control system
- RS-485 interface



Forced Convection Oven LFCO-100



Forced Convection Oven LFCO-100

Application

Labocon Forced Convection Oven is suitable for drying, melting and sterilization in industrial and mining fields, laboratories and scientific research institutes.

Specification

Model	LFCO-101	LFCO-102	LFCO-103
Capacity	30 L	45 L	65 L
Temp. Range	RT+5-300°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±1°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	310x310x310 mm	350x350x350 mm	400x360x450 mm
Overall Dimension	450x490x685 mm	490x530x730 mm	540x540x830 mm
Power	800 W	1200 W	1600 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	33/40 kg	37/45 kg	44/54 kg
Catalog No.	9221135202	9221136202	9221137202

Model	LFCO-104	LFCO-105	LFCO-106
Capacity	125 L	230 L	625 L
Temp. Range	RT+5-300°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±1°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg	25 kg	
Inner Dimension	500x450x550 mm	600x500x750 mm	660x760x1250 mm
Overall Dimension	640x630x930 mm	730x670x1220 mm	890x880x1820 mm
Power	2300 W	3000 W	5000 W
Power Supply	220 V, 60 Hz		380 V, 60 Hz
Weight (Net/Gross)	60/72 kg	94/120 kg	120/160 kg
Catalog No.	9221138202	9221139202	9221140202

Forced Convection Oven Advanced LFCOA-100 Series

Labocon Forced Convection Oven LFCO-100 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

Features

- Stainless steel SUS 304 inner chamber with powder painted exterior
- Tempered glass observation window
- Vertical air circulation system ensures temperature uniformity
- Casters for easy handling
- Rock Wool Fiber insulation prevents heat loss
- Temperature Sensor: K-TYPE
- Double overheat temperature protector

Application

Labocon Forced Convection Oven is suitable for drying, curing, melting and heating in industries, scientific research institutions and health and medical laboratories.



Forced Convection Oven LFCOA-100

Specification

Model	LFCOA-101	LFCOA-102	LFCOA-103	LFCOA-104
Capacity	80 L	150 L	270 L	480 L
Temp. Range	RT+5-210°C		RT+5-210°C	
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±1°C			
Temp. Uniformity	±1°C			
Temp. Resolution	±0.1°C			
Timer Range	99h 99min			
Shelves	2		4	
Load per Shelf	15 kg			
Inner Dimension	500x400x400 mm	600x500x500 mm	600x500x900 mm	800x600x1000 mm
Overall Dimension	600x510x720 mm	700x660x820 mm	780x620x1520 mm	980x720x1620 mm
Power	1200 W	1600 W	4000 W	
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	47/50 kg	73/77 kg	130/150 kg	200/230 kg
Catalog No.	9221141584	9221142584	9221143584	9221144584

Model	LFCOA-105	LFCOA-106	LFCOA-107	LFCOA-108
Capacity	600 L	720 L	1008 L	2160 L
Temp. Range	40-200°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±1°C			
Temp. Uniformity	±1°C			
Temp. Resolution	±0.1°C			
Timer Range	99h 99min			
Shelves	4			
Load per Shelf	15 kg			
Inner Dimension	1000x600x1000 mm	1200x600x1000 mm	1400x600x1000 mm	1800x1000x1200 mm
Overall Dimension	1250x750x1580 mm	1450x750x1580 mm	1650x750x1580 mm	2000x1200x1980 mm
Power	600 W	720 W	1008 W	2160 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	230/250 kg	240/260 kg	250/270 kg	280/290 kg
Catalog No.	9221145584	9221146584	9221147584	9221148584



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