

Forced convection
drying oven
LB-11FCO



Overview :

Forced convection drying oven LB-11FCO is equipped with rapid heating and working temperature of 250 °C. Built-in silicate insulated layer prevents heat loss. Forced air convection provides optimal air circulation, temperature uniformity, and brief heat-up time. Circulating fan motor hot air ensures uniform temperature distribution in a chamber. Internal parameter locking preventing unwanted changes.

Specifications :

Chamber volume	71 L
Number of shelves	13
Inner chamber size (W x L x H)	450 x 350 x 450 mm
Temperature range	RT +10 °C to 250 °C
Cycle mode	Forced convection
Temperature resolution ratio	0.1 °C
Temperature motion	± 1 °C
Temperature uniformity	± 2.5 %
Inner chamber	High strength galvanized steel
Outer shell	Cold rolled steel electrostatic spraying chamber
Insulation layer	Silicate heat preservation board
Heater	Stainless steel electric heating tube
Exhaust hole	∅ 28 mm top (with test hole function)
Display mode	LED digital display
Timer	0 ~ 9999 min (time wait function)
Operational function	Fixed temperature operation , timing function , auto stop
Sensor	Pt100
Load per rack	15 kgs
Shelf space	25 mm
Power	1.6 kW

Power supply	AC 220 V / 7.3 A
Exterior dimensions (W x L x H)	752 x 472 x 687 mm
Weight	45 kgs

Features :

1. PID controlled dual temperature
2. Forced air convection for rapid heating with uniform temperature distribution
3. Homogenous temperature distribution and/or rapid dynamic response
4. Cold rolled steel electrostatic sprayed exterior
5. Touch button setting for easy user convenience
6. Transparent window provision for sample process viewing
7. Exhaust hole for unpleasant fume removal
8. Anti-hot door handle for user safety
9. Internal parameter locking preventing unwanted changes
10. Overheating is prevented by automatic circuit shut-off
11. Over-temperature and over-current protection
12. Audio visual alarm for system dysfunctionality
13. High quality stainless steel chamber (customizable)

Applications :

Used in glassware drying, warming, sterilizing, ageing, curing, baking, soldering, annealing, desiccation, torrefaction, wax-melting and sterilization in mining enterprises, laboratories and scientific research institutes

Standard Accessories:

Accessory No	Accessory	Quantity
1.	Shelf	2
2.	Shelf frame	4