# Electric Forced Air-Drying Oven

## Overview of Applications

Used as an incubator for culturing viruses and bacteria in industrial and mining enterprises, laboratories, and research institutions; also functions as a drying oven for drying, baking, wax melting, and sterilization.

## Energy-Saving Design

1. The cabinet is equipped with a new synthetic silicone sealing strip, providing better sealing performance and effectively preventing heat loss. It saves 25% energy and has higher heating efficiency compared with traditional equipment.
2. Automatically adjusts control parameters according to ambient temperature and load capacity to achieve optimal heating mode and reduce energy consumption.

## Intelligent LCD Control

1. Large-screen LCD displays real-time parameters, with simple and convenient operation.
2. Menu-based operation interface for quick setting of temperature and time parameters.
3. Operation modes: constant value operation, timed operation. The screen displays “END” with a buzzer alarm when the operation time is completed.
4. Programmable controller is optional, supporting up to 30 segments of temperature and time control, with each segment settable from 1 hour to 99 hours 59 minutes.

## Internal Circulation System

1. High-quality fan with large impeller for higher ventilation efficiency and better temperature uniformity.
2. Circulation system adopts rear air suction and bottom vertical air supply, enhancing ventilation and temperature uniformity.

## Special Sheet Metal Processing

1.Cabinet is laser-cut and integrally formed; outer cabinet is made of high-quality cold-rolled steel plate with anti-static spraying; inner chamber is made of high-quality brushed stainless steel.
2.Shelves are integrally laser-cut from stainless steel without welding points, with load-bearing beams at the bottom for enhanced load capacity.
3.Detachable shelves with adjustable height (minimum spacing: 30mm).
4.Shelves feature slide rail and bayonet design to prevent tilting and displacement.
5.Large rounded corner design for easy cleaning and maintenance without dead corners.
6.Brushed stainless steel treatment for strong corrosion resistance.
7.Tempered double-layer glass observation window for clear viewing of objects inside the

chamber.

## User-Friendly Design

1. Chinese/English menu options to meet different language needs.
2. Celsius (℃)/Fahrenheit (℉) conversion available.
3. Stackable design to save laboratory space.

## Safety Functions

1.High-quality aluminum silicate wool insulation material with thickened insulation layer to ensure low cabinet surface temperature and safer operation.
2.Built-in over-temperature control sound and light alarm system: heating stops when exceeding limit temperature, and automatic sound and light alarm activates when exceeding alarm temperature.
3.Self-diagnosis function: displays fault information on the monitor for easy troubleshooting.
4.Configurable high/low temperature and over-temperature alarms.
5.Stainless steel heating tube for corrosion resistance and long service life.

## Warranty

1-year warranty

**Note:** Performance parameters are tested under no-load condition, ambient temperature 25℃, ambient humidity 55%RH.

## Optional Accessories

Printer or 485 interface (choose one), independent over-temperature controller, test hole

## Technical Parameters

| | **34L** | **65L** | **140L** |
|---|---|---|---|
| Power Supply | 220V 50Hz | | |
| Temperature Control Range | RT+10–250℃ | | |
| Temperature Resolution | ±0.1℃ | | |
| Temperature Fluctuation | ±0.5℃ | | |
| Operating Ambient Temperature | +5–40℃ | | |
| Input Power | 550W | 1050W | 1500W |
| Inner Chamber Size | 340×320×320 | 400×360×450 | 500x450x600 |

| | | | |
|---|---|---|---|
| (mm) | | | |
| Volume | 34L | 65L | 140L |
| Standard Shelves | 2 pcs | | |
| Timing Range (factory default: minutes) | 1–9999 min | | |
| Picture |  | | |