

Laboratory Convection Heat and Drying Oven



DOV Series



DOH Series

The EI-DOV & DOH Series Convection Heating and Drying Oven is a versatile and reliable thermal processing system designed for a wide range of industrial and laboratory applications. Featuring advanced convection heating with forced air circulation and precise constant temperature control via an LED display, this oven is ideal for drying, heating, warming, wax melting, and sterilization processes across multiple sectors including industrial laboratories, agriculture, manufacturing, scientific research, and healthcare.

Features:

- **High-Temperature Performance:** With a temperature range of up to 250°C, this oven supports demanding thermal applications, ensuring consistent performance for processes like drying, sterilization, and wax melting.
- **Advanced Temperature Control:** Powered by a microcomputer intelligent digital display controller, it offers high precision, overheating protection, and multi-data display, thereby guaranteeing accurate and repeatable results.
- **Uniform Heating Distribution:** The convection ventilation structure promotes even air circulation, creating a uniform temperature environment essential for consistent sample processing.

- **User-Centric Design:** An observation window allows for easy sample monitoring without disturbance, while adjustable, slide-out stainless steel shelves facilitate effortless loading, unloading, and cleaning.
- **Robust & Hygienic Construction:** The chamber is crafted from high-quality steel plate with arc-transition corners, preventing dust accumulation and simplifying maintenance.
- **Enhanced Thermal Efficiency:** Silicone rubber sealing between the door and chamber minimizes heat loss, improving energy efficiency and temperature stability.
- **Flexible Configuration:** Adjustable fan speed and optional programmable multi-segment LCD controllers enable customized airflow and complex thermal profiles, adapting to diverse application needs.

Specification:

Model	EI-DOV-30L	EI-DOV-70L	EI-DOV-140L	EI-DOV-225L	EI-DOV-600L	EI-DOV-1300L	EI-DOH-50L	EI-DOH-250L	EI-DOH-600L	EI-DOH-1000L
Capacity	30L	70L	140L	225L	600L	1300L	50L	250L	600L	1000L
Type	Vertical						Horizontal			
Interior Material	Stainless Steel									
Temperature Range	Room Temperature +10°C to 250°C									
Resolution	±0.1°C									
Inner Dimension (cm)	30×30×35	40×40×45	45×55×55	50×60×75	80×60×130	100×102×130	37×37×37	58×58×75	80×80×95	100×80×125
External Dimension (cm)	45×47×70	55×60×80	64×73×90	88×72×114	103×80×178	118×132×182	62×63×54	83×84×94	105×106×118	105×126×148
No of Shelf	2pcs	2pcs	3pcs	3pcs	4pcs	5pcs	2pcs	3pcs	4pcs	4pcs
Rate Voltage	240V 50Hz				415V 50Hz		240V 50Hz		415V 50Hz	
Rate Power	700W	1400W	1600W	2000W	4000W	9000W	1300W	3300W	4000W	7000W