

## Explosion-Proof Drying Oven



EDO-65B EDO-125B



EDO-230B



EDO-625B

### Application

With an explosion-proof enclosure and integrated explosion-proof electrical technology, as well as an independent explosion-proof control box for centralised protection, explosion-proof drying oven effectively eliminates risks caused by high temperatures, static electricity and electrical sparks. It is specifically designed for drying, heating, aging tests, and isothermal treatment of flammable, explosive, volatile, or hazardous samples. Widely used in industrial and research fields such as petroleum, chemical, pharmaceutical, coatings, inks, cosmetics, and laboratories, it provides a safe, stable, and reliable temperature control solution for handling hazardous materials.

### Advantage

- The enclosure features explosion-proof construction, and the electrical equipment is equipped with integrated explosion-protection technology. The centralized protection of the explosion-proof control cabinet prevents the leakage of high temperatures, static electricity, sparks, and other hazardous factors.
- The shelf height is adjustable, inner chamber is easy to clean.
- P.I.D temperature controller, with parameter memory and scheduled start functions.
- Heating is provided by explosion-proof 304 stainless steel heating tubes.
- The system employs a tiered convection design: small-capacity with high-efficiency forced convection, medium-capacity with rear duct homogeneous air supply, and large-capacity with dual-duct cyclone air supply, balancing efficiency, uniformity, and stability.
- The equipment top has a vent hole with an inner diameter of 28mm. (EDO-625B:28mm × 2)

### Specification

Model	EDO-65B	EDO-125B	EDO-230B	EDO-625B
Capacity (L)	65	125	230	625
Circulation Mode	Forced convection		Rear Duct Homogeneous Air Supply	Dual-Duct Cyclone Air Supply
Temperature Range	RT+10 to 300°C			
Display Resolution (°C)	0.1			
Temperature Fluctuation (°C)	±1			
Temperature Uniformity	±2.5%			
Timer	0-9999 min/h (units are selectable: minutes or hours)			
Shelf (Standard/Max)	2/9	3/13	2/17	2/7
Shelf Spacing (mm)	35			150
Shelf Load-bearing (kg)	15 kg			
Internal Material	Stainless steel			
External Material	Cold-rolled steel material, chemical-resistant surface coating			
Explosion Protection Level	Ex d e mb IIB T4 Gb			
Power Supply	AC 220/110V, 50/60Hz			AC 380V, 50/60Hz
Power (W)	1600	2300	3000	5750
Chamber Size(W×D×H)(mm)	400×360×450	500×450×550	600×500×750	660×760×1250
Dimensions(W×D×H)(mm)	535×490×820	636×580×930	735×625×1220	900×960×1840
Shipping Size(W×D×H)(mm)	970×620×960	760×700×1060	898×814×1347	1051×1060×1949
N.W/G.W. (kg)	43/49	60/66	84/100	113/137
Optional	Shelves; 7-inch touch screen (with curve display and programming function)			