Froilabo
Precision for life

AIR EXPERT

Laboratory Oven - AE240

Greater Oven Control

Based on the Air Performance range, the Air Expert features additional functions allowing users greater oven control whilst still offering great value.

MODELS AVAILABLE	240 L
Air Expert, plain door	AE240INDUS
Air Expert, viewing door	AE240PV

WARRANTY	
Parts	2 years

Perfect Temperature Homogeneity

Adjustable Fan Speed

Technical Specifications

AIR EXPERT - LABORATORY OVENS

MODEL	AE240

GENERAL SPECIFICATION

Net Volume	230 L
Ext Dimension (WxDxH)	626 x 679.5 x 1230 mm
Int Dimension (WxDxH)	500 x 470 x 980 mm
Ext Construction	Electrogalvanised steel with epoxy paint
Int Construction	Brushed stainless steel inner tank
Net weight	79 kg
Standard construction	1 fully closed door, easy hands-free closure / 1 power cord (1.5m)
Shelves (WxD)	480 x 430 mm : 2 anti-tilt stainless steel perforated shelves as standard (max/shelf: 35 kg distributed). Maximum numbers of shelves : 18 (max total weight : 90 kg)
Ambient temperature	From +18°C to +32°C
Use	Indoor use only
Environment	Not designed for use in explosive atmospheres (ATEX)
Warranty	2 years

HEATING SYSTEM

System	Heating convection ensured by fan with adjustable speed (25 to 100%), no risk of conduction or radiation
Ventilation	Turbine ventilation ensuring temperature homogeneity
Air renewal	Adjustable front air intake with rear exhaust

ELECTRIC AND ELECTRONIC DATA

Controller type	Electronic PID self regulating and self-adaptive / 16 Segment programmable controller
Temperature probe	1 x Pt100 3 wires probe
List of alarms	High temperature / Overtemperature safety class II according to the European standard EN 61010-2-010 (DIN 3.1 equivalent)
Type of alarm	Visual
Energy consumption	2000W
Types of power supply	230 V 50 Hz + T / 208V/60Hz (on demand) / 110V 50/60Hz (on demand)

PERFORMANCES (AMBIENT TEMPERATURE : 22°C)

Temperature range	Amb +10°C to 250°C, 1/10th degree display (set and actual temperature)
Temporal stability	+/-0.2°C
Homogeneity at +150°C	+/-1.4°C

OPTIONS & CONFORMITIES

Options	• Stainless steel wire shelf • Stainless steel with anti-tilt safety • Reinforced stainless steel shelf with anti-tilt safety • Base with 4 casters (Diam: 80 mm, 2 with brakes, total H: 250 mm) • Stacking kit including 2 spacers, a key and an explanatory note • Data recovery software (RS485 cable to USB for PXR4 regulator) • Key door lock • 16-segment programmable controller • 4 casters (Diam: 80 mm, 2 with brakes) • Additional cable entry port 50 mm with sealing plug • Additional Pt 100 Ohms probe + DIN plug for recorder connection • PT 100 Ohms probe, delivered with 3 points COFRAC verification • Electronic recorder 1 way, continuous plot • Variable flow extractor from 0 to 200 m³ / hour Ø 75 mm
Supplied with	2 Shelves, 1 power cord & User manual
Certification / Conformities	Equipment meets the specifications and CE compliant to: • **EN60068-3-11** • **2014/35/UE − Low voltage directive** • **2014/30/UE − EMC directive, Class A device**
Shipping weight	97 kg
Shipping dimension (WxDxH)	750 x 670 x 1400 mm