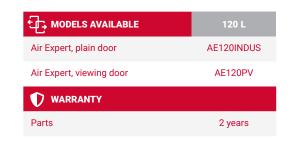# Froilabo
Precision for life

AIR EXPERT

Laboratory Oven - AE120

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	120 L
Air Expert, plain door	AE120INDUS
Air Expert, viewing door	AE120PV

WARRANTY	
Parts	2 years

Perfect Temperature Homogeneity

Adjustable Fan Speed

Technical Specifications

AIR EXPERT - LABORATORY OVENS	
MODEL	**AE120**
⊟ GENERAL SPECIFICATION	
Net Volume	117 L
Ext Dimension (WxDxH)	626 x 679.5 x 750 mm
Int Dimension (WxDxH)	500 x 470 x 500 mm
Ext Construction	Electrogalvanised steel with epoxy paint
Int Construction	Brushed stainless steel inner tank
Net weight	53 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 : 10 (max total weight : 70 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 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	1000W
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	69 kg
Shipping dimension (WxDxH)	750 x 670 x 920 mm