

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 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	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	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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