

AIR EXPERT

Laboratory Ovens - AE60 / AE120 / 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	60 L	120 L	240 L
Air Expert, plain door	AE60	AE120	AE240
Air Expert, viewing door	AE60PV	AE120PV	AE240PV
 WARRANTY			
Parts	2 years		



Perfect
Temperature
Homogeneity



Adjustable
Fan
Speed

Technical Specifications

AIR EXPERT - LABORATORY OVENS			
MODEL	AE60	AE120	AE240
GENERAL SPECIFICATION			
Net Volume	58 L	117 L	230 L
Ext Dimension (WxDxH)	526 x 579.5 x 640 mm	626 x 679.5 x 750 mm	626 x 679.5 x 1230 mm
Int Dimension (WxDxH)	400 x 370 x 390 mm	500 x 470 x 500 mm	500 x 470 x 980 mm
Ext Construction	Electrogalvanised steel with epoxy paint		
Int Construction	Brushed stainless steel inner tank		
Net weight	39 kg	53 kg	79 kg
Standard construction	1 fully closed door, easy hands-free closure / 1 power cord (1.5m)		
Shelves (WxD)	380 x 320 mm : 1 anti-tilt stainless steel perforated shelf as standard (max/shelf: 20 kg distributed). Maximum numbers of shelves : 8 (max total weight : 50 kg)	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)	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 on the front, 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		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	<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	1 Shelf, 1 power cord & User manual	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	53 kg	69 kg	97 kg
Shipping dimension (HxWxD)	1080 x 570 x 710 mm	920 x 750 x 670 mm	1400 x 750 x 670 mm