



ACROSS INTERNATIONAL

Model		AT32x	AT50x	AT75X
Electrical Requirement		110/220VAC, 50/60Hz, 1-PH		220VAC, 50/60Hz, 1-PH
Output Power		3000 W		4600 W
Environmental Operation Conditions		- Indoor use and altitude up to 2000m - Temperature 5-40°C - Max. relative humidity 80% for temperatures up to 30°C decreasing linearly to 50 % relative humidity at 40°C - Mains supply volt fluctuations up to ± 10 % of the nominal voltage - Transient overvoltage up to the levels of overvoltage category II (See Note 1). - Temporary overvoltage occurring on the mains supply. - Applicable pollution degree of the intended environment (pollution degree 2 in most cases (See Note 2). Note 1: These levels of transient overvoltage are typical for equipment supplied from the building wiring. Note 2: Manufacturers may specify more restricted environmental conditions for operation, nevertheless the equipment must be safe within these normal environmental conditions.		
Chamber	Size (WxDXH)	18 x 18 x 18"	19.75 x 21.5 x 19.75"	22 x 23.5 x 25 "
	Material	Stainless Steel		
	Capacity	3.2 Cu Ft	5 Cu Ft	7.5 Cu Ft
Temperature Controller	Controller	3 rd gen low proportional gain, microcomputer PID controlled with LCD		
	Range	Ambient to 480°F (248°C)		
	Display Units	F or C		
	Accuracy	± 1		
	Uniformity	± 7 % of set point		
	Dwelling Time	1 to 9999 minutes		
	Warm up to 100F	45 minutes		
Vacuum		Ultimate vacuum level: better than 500 microns/millitorrs (may vary based on your altitude) Mechanical vacuum gauge range: 0 to 30" mercury Mechanical vacuum gauge type: oil-filled Vacuum port: KF25 flange x 1 Vent port: KF25 flange x 1		
Door gasket material		Silicone or Viton (Optional)		
Observation Window		$\frac{1}{2}$ " tempered safety glass		
Shelves	Included with oven purchase	7 aluminum pan-shaped shelves		9 aluminum pan-shaped shelves
	Size (WxDXH)	17.5 x 17.25"X0.5"	19.25 X 21 X 0.5"	21. 75 X 23 X 0.5"
	Distance between shelves	1.25"		
In door light		White LED (pre-installed)		
Unit Weight		260Lbs	390 lbs	450
Shipping Weight		400Lbs	640 lbs	765
Unit Dimensions		30.5 x 24 x 29"	32.25 x 28 x 30	37 x 33.5 x 38
Shipping Dimensions		36 x 33 x 35"	40 x 39 x 43	43 x 40 x 46
Safety		Built-in circuit breaker, controller overheat protection, secondary over-temp protection dial		
Warranty		2 Years		



ACROSS INTERNATIONAL

Model	AT160x-UL
Electrical Requirements	220V +/-10% 50/60Hz 1-PH 27A, 6,000 watts
Chamber	Size: 25.6 x 30 x 35.5" Material: Stainless steel Capacity: 16 cubic feet
Heater	5-sided heating (left 900W, right 900W, top 900W, bottom 900W, back 250W x 4)
Temperature Control	Controller: low proportional gain, microcomputer PID controlled with LCD display Range: ambient to 250°C (480°F) Display units: Fahrenheit or Celsius Uniformity: ± 7% of setpoint Dwelling timer range: 1 to 9999 minutes Heating speed - Ambient to 100°C: 40 mins - Ambient to 150°C: 1 hour - Ambient to 200°C: 2 hours - Ambient to 250°C: 2.5 hours
Vacuum	Ultimate vacuum level: better than 500 microns/millitorrs (may vary based on your altitude) Mechanical gauge range: 0 to 30 inch mercury Vacuum port: KF25 flange Vent port: KF25 flange Vacuum pump: Sold separately
Weight	Unit: 800 Lbs, shipping: 1320 Lbs
Dimensions	Unit: 44 x 38 x 51.5" Shipping: 50 x 47 x 59"
Shelves	Shelf size: 25 x 30" (WxDxH) Material: aluminum Style: pan-shape Capacity: 26 shelves max. Comes standard with oven purchase: 13 shelves Total area with 26 shelves: 89 sq ft or 12,857 sq inch Distance between the most adjacent shelves: 1.25 inches
Door Gasket Material	Silicone or Viton
Observation window	1/2" tempered safety glass
Safety	Built-in circuit breaker Overheat shutoff protection Secondary over-temp protection dial
In-Door Lights	White LED (pre-installed)
Compliance	ETL certified to UL and CSA standards
Warranty	2 years

SPECIFICATIONS

Model		AT32x	AT50x	AT75x	AT160x
Electrical Requirements		110V, 50/60Hz, 1-PH / 220V, 50/60Hz 1-PH		220v +/- 10% 50/60hZ 1-ph	
Power Output		3000W	2600W	3800W	6000W
Environmental Operation Conditions		- Indoor use and altitude up to 2000m - Temperature 5-40°C - Max. relative humidity 80% for temperatures up to 30°C decreasing linearly to 50% relative humidity at 40°C - Mains supply volt fluctuations up to ±10% of the nominal voltage - Transient overvoltage up to the levels of overvoltage category II (See Note 1) - Temporary overvoltage occurring on the mains supply. - Applicable pollution degree of the intended environment (pollution degree 2 inmost cases (see Note 2) Note 1: These levels of transient overvoltage are typical for equipment supplied from the building wiring. Note 2: Manufacturers may specify more restricted environmental conditions for operation, nevertheless the equipment must be safe within these normal environmental conditions.			
Chamber	Size (WxDxH)	18x18x18" (45.72x45.72x45.72cm)	19.75x21.5x19.75" (50.2x54.6x50.2cm)	22x23.5x25" (55.9x59.7x63.5cm)	25.6x30x35.5" (65.0x70.2x90.2cm)
	Material	Stainless Steel			
	Capacity	3.2 cubic feet	5 cubic foot	7.5 cubic foot	16 cubic foot
Temperature Controller	Controller	3 rd gen low proportional gain, microcomputer PID controlled with LCD display			
	Range	Ambient to 480°F (250°C)			Ambient to 200°F (100°C)
	Display Units	Fahrenheit or Celsius			
	Accuracy	± 1			
	Uniformity	± 5% of setpoint			
	Dwelling Time	1 to 9999 minutes			
	Warm up time to 100°F	35 minutes	45 minutes		40 minutes
Vacuum		Ultimate vacuum level: better than 500 microns/millitorrs (may vary based on your altitude) Mechanical vacuum gauge range: 0 to 30" mercury Mechanical vacuum gauge type: oil-filled Vacuum port: KF25 flange x 1 Vent port: KF flange x 1			
Door gasket material		Silicone			
Observation window		1/2" tempered safety glass			
Shelves	Included with oven purchase	6 aluminum pan-shaped shelves	7 aluminum pan-shaped shelves	9 aluminum pan-shaped shelves	13 aluminum pan-shaped shelves
	Size (WxD)	17.5 x 17.25 x 2.25" (44.45x43.82x5.72cm)	19.25x21x0.5" (48.89x53.34x1.3cm)	21.75x23x0.5" (55.24x58.4x1.3cm)	25x30x0.5" (63.9x76.2x1.3cm)
	Distance between shelves	4.75" (without stackable shelves)	1" (2.54cm)		
In-door lights		White LED (pre-installed)			
Safety		Built-in circuit breaker, controller overheat protection, secondary over-temp protection dial			
Compliance		UL (E482564), CSA, CE			

ECO MODELS

0.9 CU FT & 1.9 CU FT

More affordable and still made with the same quality you need and know! Perfect for smaller labs.

Temp: 20°C to 150°C
3-Sided Heating

Shipping Weight: 170 Lbs (77.1kg)
Dimensions: 23.4x17.25x19"

4 shelves included. Can stack up to 8.



AT09e



AT19e



Temp: 20°C to 150°C
3-Sided Heating

Shipping Weight: 240 Lbs (108.9kg)
Dimensions: 28x23x21.8"

9 shelves included. Can stack up to 18.



ECO MODELS

3.2 CU FT & 5.0 CU FT

ECO series Ai ovens are CE certified and come with a one-year warranty, while our premier AT series UL/CSA/CE certified models come with a 2-year warranty.

AT32e



Temp: 20°C to 150°C
3x Heated Shelves

Shipping Weight: 170 Lbs (77.1kg)
Dimensions: 30.5x24x29"



Temp: 20°C to 150°C
3-Sided Heating

Shipping Weight: 240 Lbs (108.9kg)
Dimensions: 32.25x28x30"

7 shelves included. Can stack up to 14.



AT50e



SPECIFICATIONS

Model	AT09e	AT19e	AT32e	AT50e
Electrical Requirements	110V or 220V $\pm 10\%$, 60Hz, 1-PH, 1500 watts	110V $\pm 10\%$ 60Hz 1-PH 13.6A, 1500 watts or 220V $\pm 10\%$ 50/60Hz 1-PH 6.8A, 1500 watts		110V or 220V $\pm 10\%$, 50/60Hz, 1-PH, 3000 watts
Chamber	Size: 12x12x11" Material: Stainless Steel Capacity: 0.9 cubic foot	Size: 16.5x14.5x14" Material: Stainless Steel Capacity: 1.9 cubic foot	Size: 18x18x18" Material: Stainless Steel Capacity: 3.2 cubic foot	Size: 19.75x21.5x19.75" Material: Stainless Steel Capacity: 5.0 cubic foot
Heater	3-sided heating (left 400W, right 400W, bottom 700W)		500 watts x3 built into 3 aluminum shelves	3-sided heating (left 800W, right 800W, bottom 1400W)
Temperature Range	20°C to 150°C			
Vacuum	Ultimate vacuum level: better than 500 microns/millitorrs Mechanical vacuum gauge range: 0 to 30" mercury Vacuum port: KF25 flange x 1 Vent port: 1/4" ball valve Vacuum pump: Sold separately			
Weight	Unit: 85 Lbs, Shipping: 170 Lbs	Unit: 135 Lbs, Shipping: 240 Lbs	Unit: 240 Lbs, Shipping: 380 Lbs	Unit: 390 Lbs, Shipping: 600 Lbs
Dimensions (WxDxH)	Unit: 23.4x17.25x19" with handle and vacuum port: 23.4x20x19"	Unit: 28x20x21.75" with handle and vacuum port: 28x23x21.75"	Unit: 30.5x24x29"	Unit: 32.25x28x30"
Shelves	Included with oven purchase: 4 aluminum slide-in shelf Capacity: 8 shelves max. Style: pan-shape Size: 11.5x11.25" Maximum area: 129.4x8=7 sq ft or 1035 inch ² Distance between shelves: one inch	Included with oven purchase: 5 aluminum slide-in shelf Capacity: 10 shelves max. Style: pan-shape Size: 16x14.25" Maximum area: 228x10=16 sq ft or 2280 inch ² Distance between shelves: one inch	Included with oven purchase: 3 non-removable aluminum shelves, 17.5x17.25" (WxD) each Optional stackable aluminum shelves: 17.5x17.25x2.25" (WxDxH) Total area without stackable shelves: 302x3=6 sq ft or 906 inch ² Total area with 3 stackable shelves: 302x6=12 sq ft or 1812 inch ² Distance between (without stackable shelves): 4.75 inches Distance between (with 3 stackable shelves): 2.25 inches Max. load capacity per shelf: 20Lbs	Included with oven purchase: 7 aluminum slide-in shelf Capacity: 14 shelves max. Style: pan-shape Size: 19.25x21x0.5" (WxDxH) Total area with 14 shelves: 39.3 sq ft or 5660 sq inch Distance between the most adjacent shelves: 1.25"
Door gasket material	Silicone (<i>standard</i>), Viton (<i>optional</i>)			
Observation window	1/2" tempered safety glass			
Safety	Built-in circuit breaker, Overheat shutoff protection			
In-door lights	White LED			
Warranty	1 year			
Compliance	CE			

ACCESSORIES

RECOMMENDED FOR PAIRING



VACUUM PUMPS

Vacuum Oven	Ai	Edwards	Agilent
AT09-UL	EasyVac 7 or SuperVac 5	nXDS6iC	IDP-3
AT19-UL	EasyVac 9 or SuperVac 5	nXDS6iC	IDP-3
AT32-UL	EasyVac 9 or SuperVac 11	RV8 or nXDS10iC	IDP-7
AT50x-UL	EV9-UL or SV11c-UL	nXDS10iC or RV8	IDP-7
AT75-UL	SuperVac 11 or SuperVac 21	E2M28 or nXDS10iC	IDP-15
AT160-UL	SuperVac 21	E2M28 or nXDS20iC	IDP-15



Vacuum Oven	Welch	ULVAC	Vacuubrand
AT09-UL	2034	DTC-41	MD1CNT
AT19-UL	2052	UDP-6	MD4CNT
AT32-UL	2163	UDP-6	-

COLD TRAPS

Ai		
		
T40-UL	T40x-UL	T80x-UL

MOBILE CARTS



MC32



MC75

Vacuum REGULATORS

DigiVac		
		
VPC	Concerto	SNAP



MC19-3