



ACROSS INTERNATIONAL

Accutemp Vacuum Drying Oven Series Specification

Model	AT09-UL
Electrical Requirements	110V +/-10% 60Hz 1-PH 13.6A, 1,500 watts
Chamber	Size: 12 x 12 x 11" Material: Stainless steel Capacity: 0.9 cubic foot
Heating	5-sided heating (left 350W, right 350W, top 220W, bottom 480W, back 100W)
Temperature Control	Controller: low proportional gain, microcomputer PID controlled with LCD display Range: ambient to 250°C (or 480°F) Display units: Fahrenheit or Celsius Uniformity: +/- 5% of setpoint Dwelling timer range: 1 to 9999 minutes Warm-up time to 100°F: 40 minutes
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: 90 Lbs, shipping: 165 Lbs
Dimensions	Unit: 23.4 x 17.25 x 19" Shipping: 28 x 24 x 26"
Shelves	Included with oven purchase: 4 aluminum slide-in shelves Capacity: 8 shelves max. Style: pan-shape Size: 11.5 x 11.25" Maximum area: 129.4 x 8 = 7 sq ft or 1035 inch ² Distance between shelves: one inch
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
Warranty	2 years
Compliance	UL (E482564), CE



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Model	AT19-UL
Electrical Requirements	110V +/-10% 60Hz 1-PH 13.6A, 1,500 watts or 220V +/-10% 50/60Hz 1-PH 6.8A, 1,500 watts
Chamber	Size: 16.5 x 14.5 x 14" Material: Stainless steel Capacity: 1.9 cubic foot
Heating	5-sided heating (left 350W, right 350W, top 220W, bottom 480W, back 100W)
Temperature Control	Controller: low proportional gain, microcomputer PID controlled with LCD display Range: ambient to 250°C (or 480°F) Display units: Fahrenheit or Celsius Uniformity: +/- 5% of setpoint Dwelling timer range: 1 to 9999 minutes Warm-up time to 100°F: 45 minutes
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: 140 Lbs, shipping: 240 Lbs
Dimensions	Unit: 28 x 20 x 21.75" With handle and vacuum port: 28 x 23 x 21.75" Shipping: 32 x 27 x 29"
Shelves	Included with oven purchase: 5 aluminum slide-in shelves Capacity: 10 shelves max. Style: pan-shape Size: 16 x 14.25 inches Total area: 228 x 10 = 16 sq ft or 2,280 inch ² Distance between shelves: one inch
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
Warranty	2 years
Compliance	UL (E482564), CE



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Model	AT32-UL
Electrical Requirements	110V +/-10% 60Hz 1-PH 13.6A, 1,500 watts or 220V +/-10% 50/60Hz 1-PH 6.8A, 1,500 watts
Chamber	Size: 18 x 18 x 18" Material: Stainless steel Capacity: 3.2 cubic feet
Heating	500 watts x 3, built into 3 aluminum shelves, for the fastest, most energy efficient and uniform heating.
Temperature Control	Controller: low proportional gain, microcomputer PID controlled with LCD display Range: ambient to 250°C (or 480°F) Display units: Fahrenheit or Celsius Uniformity: +/- 5% of setpoint Dwelling timer range: 1 to 9999 minutes Warm-up time to 100°F: 35 minutes Warm-up time to 480°F: 60 minutes
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: 260 Lbs, shipping: 405 Lbs
Dimensions	Unit: 30.5 x 24 x 29" Shipping: 36 x 34 x 36"
Shelves	Heated shelves: 3 non-removable aluminum shelves, 17.5 x 17.25" (WxD) each Optional stackable aluminum shelves: 17.5 x 17.25 x 2.25" (WxDxH) Total area without stackable shelves: 302 x 3 = 6 sq ft or 906 inch ² Total area with 3 stackable shelves: 302 x 6 = 12 sq ft or 1812 inch ² Distance between shelves (without stackable shelves): 4.75 inches Distance between shelves (with 3 stackable shelves): 2.25 inches Max. load capacity per shelf: 20Lbs
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
Warranty	2 years
Compliance	UL (E482564), CE



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Model	AT75a-UL
Electrical Requirements	110V +/-10% 60Hz 1-PH 13.6A, 1,500 watts or 220V +/-10% 50/60Hz 1-PH 6.8A, 1,500 watts
Chamber	Size: 22 x 23.5 x 25" Material: Stainless steel Capacity: 7.5 cubic feet
Heating	300 watts x 5, built into 5 aluminum shelves, for the fastest, most energy efficient and uniform heating
Temperature Control	Controller: low proportional gain, microcomputer PID controlled with LCD display Range: ambient to 250°C (or 480°F) Display units: Fahrenheit or Celsius Uniformity: +/- 5% of setpoint Dwelling timer range: 1 to 9999 minutes Warm-up time to 100°F: 45 minutes Warm-up time to 480°F: 2 hours 15 minutes
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: 410 Lbs, shipping: 640 Lbs
Dimensions	Unit: 34.5 x 33 x 35.5" Shipping: 40 x 39 x 43"
Shelves	Heated shelves: 5 non-removable aluminum shelves, 22 x 23.25" (WxD) each Optional stackable aluminum shelves: 22 x 23.25 x 2.25" (WxDxH) Total area without stackable shelves: 512 x 5 = 18 sq ft or 2560 sq inch Total area with 5 stackable shelves: 512 x 10 = 36 sq ft or 5120 sq inch Distance between shelves (without stackable shelves): 4.5 inches Distance between shelves (with 5 stackable shelves): 2.25 inches Max. load capacity per shelf: 20 lbs
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
Warranty	2 years
Compliance	UL (E482564), CE



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Model	AT160-UL
Electrical Requirements	110V +/-10% 60Hz 1-PH 13.6A, 1,500 watts or 220V +/-10% 50/60Hz 1-PH 6.8A, 1,500 watts
Chamber	Dimensions: 25.6 x 30 x 35.5" (WxDxH) Material: Stainless steel Capacity: 16 cubic feet
Heating	250 watts x 6, built into 6 aluminum shelves, for the fastest, most energy efficient and uniform heating.
Temperature Control	Controller: low proportional gain, microcomputer PID controlled with LCD display Range: ambient to 100°C (or 212°F) Display units: Fahrenheit or Celsius Uniformity: +/- 5% of setpoint Dwelling timer range: 1 to 9999 minutes
Vacuum	Ultimate vacuum level: better than 500 microns/millitorrs (may vary based on your altitude) Mechanical vacuum gauge range: 0 to 30 inch mercury Mechanical vacuum gauge type: oil-filled Vacuum port: KF25 flange x 1 Vent port: KF25 flange x 1 Vacuum pump: Sold separately Approximate time to reach full vacuum: With Edwards E2M28 21 cfm pump: 8 minutes With Ai SuperVac 11.3 cfm pump: 11 minutes
Weight	Unit: 710 Lbs, shipping: 1118 Lbs
Dimensions	Unit: 33 x 37 x 52" Shipping: 42 x 45 x 61"
Shelves	Heated shelves: 6 non-removable aluminum shelves, 25 x 29.25 inches (WxD) each Optional stackable aluminum shelves: 25 x 29.25 x 2.375 inches (WxDxH) Distance between shelves (without stackable shelves): 5 inches Distance between shelves (with 6 stackable shelves): 2.375 inches Total area without stackable shelves: 731 x 6 = 30 sq ft or 4386 sq inch Total area with 6 stackable shelves: 731 x 12 = 60 sq ft or 8772 sq inch Max. load capacity per shelf: 20 Lbs
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
Warranty	2 years
Compliance	UL (E482564), CE