

HOT AIR OVEN



PRECISE
TEMPERATURE
CONTROL



DURABLE
& RELIABLE
PERFORMANCE



VACUUM
ENVIRONMENT
FOR ACCURATE
RESULTS



BUILT FOR
LAB & INDUSTRIAL
APPLICATIONS

Ants Innovations PVT. LTD

An ISO 9001-2008 Certified Company.
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Specifications for HOT AIR OVEN

Standard Construction	All models have Double Wall Construction: a) Standard Model: i) Inner Chamber of SS304 & Outer Chamber of Mild Steel powder coated ii) Inner Chamber of SS316 & Outer Chamber of Mild Steel powder coated b) GMP Model: i) Inner & Outer chamber of SS304 ii) Inner Chamber of SS316 & Outer chamber of SS304
Insulation	70mm Mineral/Ceramic Wool Insulation in between the two walls
Door	→ Door constructed of Mild Steel powder coated for Standard Model or SS304 for GMP Model. → Door is well insulated with Mineral/Ceramic Wool insulation.
Gasket	Gap between the door & the body is sealed with a silicon sponge rubber gasket
Temperature Uniformity	→ $\pm 1^{\circ}\text{C}$ at 100°C , $\pm 1.5^{\circ}\text{C}$ at 150°C , $\pm 2^{\circ}\text{C}$ at 200°C → $\pm 2^{\circ}\text{C}$ at 250°C , $\pm 3^{\circ}\text{C}$ at 300°C
Control Accuracy	+/- 1°C
Thermocouple	PT 100 type sensor (3 Wires) for temperature sensor
Heater	Heating is done by long lasting U Shaped 1kW SS Tubular heaters
Indication Lamp	Indicating lamp for Main & Heat
Selector Switch	Selector switch can be set at the required position depending on the temperature range
Safety Thermostat	Safety Thermostat for temperature overshoot (Only till 250°C)
Air circulation	Powerful fan motor providing effective air circulation for uniform temperature inside the inner chamber
Ventilation	Ventilation / Exhaust is provided on either side of the equipment
Insulation	High Temperature glass wool Insulation
Supply	230 Volts Ac. single Phase
Temp. Control	Single Set Point Temperature Controller - Temp. controlled by microprocessor based digital PID with LED Display
Control Panel	Control Panel Will Consists ON/OFF switch
Switch	Mains on/off switch
Trays	Heavy duty Stainless Steel SS304 wire mesh trays are provided
Documentation	User Manual with Calibration Certificates



Sizes and Material options for HOT AIR OVEN
Temperature Range: Ambient +5°C to 300°C



A - Inner SS304 & Outer MS Powder Coated

Model No.	Capacity		Internal Size W x D x H (mm)	No. of Trays
	Cubic Feet	Liters		
AL-HAO-27-A	1	27	300 x 300 x 300	2
AL-HAO-64-A	2	64	400 x 400 x 400	2
AL-HAO-90-A	3	90	450 x 450 x 450	2
AL-HAO-120-A	4	120	450 x 450 x 600	3
AL-HAO-125-A	4.4	125	500 x 500 x 500	3
AL-HAO-159-A	5	150	500 x 500 x 600	3
AL-HAO-175-A	6	175	500 x 500 x 700	3
AL-HAO-216-A	8	216	600 x 600 x 600	3

B - Inner & Outer SS304

Model No.	Capacity		Internal Size W x D x H (mm)	No. of Trays
	Cubic Ft	Litres		
AL-HAO-27-B	1	27	300 x 300 x 300	2
AL-HAO-64-B	2	64	400 x 400 x 400	2
AL-HAO-90-B	3	90	450 x 450 x 450	2
AL-HAO-120-B	4	120	450 x 450 x 600	3
AL-HAO-125-B	4.4	125	500 x 500 x 500	3
AL-HAO-159-B	5	150	500 x 500 x 600	3
AL-HAO-175-B	6	175	500 x 500 x 700	3
AL-HAO-216-B	8	216	600 x 600 x 600	3



C - Inner SS316 & Outer MS Powder Coated

Model No.	Capacity		Internal Size W x D x H (mm)	No. of Trays
	Cubic Ft	Litres		
AL-HAO-27-C	1	27	300 x 300 x 300	2
AL-HAO-64-C	2	64	400 x 400 x 400	2
AL-HAO-90-C	3	90	450 x 450 x 450	2
AL-HAO-120-C	4	120	450 x 450 x 600	3
AL-HAO-125-C	4.4	125	500 x 500 x 500	3
AL-HAO-159-C	5	150	500 x 500 x 600	3
AL-HAO-175-C	6	175	500 x 500 x 700	3
AL-HAO-216-C	8	216	600 x 600 x 600	3

D - Inner SS316 & Outer SS304

Model No.	Capacity		Internal Size W x D x H (mm)	No. of Trays
	Cubic Ft	Litres		
AL-HAO-27-D	1	27	300 x 300 x 300	2
AL-HAO-64-D	2	64	400 x 400 x 400	2
AL-HAO-90-D	3	90	450 x 450 x 450	2
AL-HAO-120-D	4	120	450 x 450 x 600	3
AL-HAO-125-D	4.4	125	500 x 500 x 500	3
AL-HAO-159-D	5	150	500 x 500 x 600	3
AL-HAO-175-D	6	175	500 x 500 x 700	3
AL-HAO-216-D	8	216	600 x 600 x 600	3



TERMS AND CONDITIONS

Prices	Ex-Works Mumbai
Packing	Wooden Packing will be charged extra
Forwarding	Forwarding will be charged extra as applicable
Freight	Freight will be charged extra as applicable
Unloading and Insurance	In end user's scope
Warranty	12 months for any manufacturing defect
Delivery	Ex-stock or within 3-4 weeks
Installation	Installation will be done on video
GST	@ 18% or whatever at the time of invoicing will be extra
Payment Terms	Advance before dispatch
HSN Code	85143090

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