



- / Baths & Circulators
- / Desiccators
- / Fume Hoods
- / Furniture
- / Incubators
- / Ovens
- / Pumps
- / Recirculating Coolers (Chillers)
- / Refrigerators & Freezers
- / Shakers
- / Heating & Cooling Blocks
- / Hotplates & Stirrers
- / Vortex mixers
- / Temperature Chambers
- / Temperature & Humidity Chambers
- / Pipettes
- / Plasticware
- / Ultrasonic Cleaners
- / Other Products

O VENS

Best Products for Reliable Results

JEIO TECH was established in 1988 with the goal of delivering the best laboratory equipments for the reliable results. We always strive to develop high technology with ergonomic design for better products. We are eager to take on new challenges in developing a product the best suits you!

Our reliable instruments will offer you analytical solutions in the field of biology, chemistry, medicine, pharmacology and so forth. We are driven by innovation and our extensive product lines are at the cutting-edge globally in both scientific and industrial research instrument markets.

While continuously focusing on human resources and technology, development, we strive to make a significant difference in various research areas. our top priority is to provide the world's best products and services through outstanding quality and customer satisfaction at affordable prices.

We hope you enjoy the discovery of Jeio Tech and it's products.

Contents

GENERAL PURPOSE OVENS

Amb. +10 to 200°C

OF-300G(314L) / OF-450G(450L) / OF-750G(760L)
OF-02G-2C(120L) / OF-02G-4C(240L)



Amb. +10/15 to 220°C

OF-01E(52L) / OF-11E(100L) / OF-21E(150L)
ON-01E(52L) / ON-11E(100L) / ON-21E(150L)



Amb. +10/15 to 250°C

OF-02G(60L) / OF-12G(102L) / OF-22G(151L)
ON-02G(52L) / ON-12G(91L) / ON-22G(135L)



Amb. +10 to 300°C

OF-300H(314L) / OF-450H(450L) / OF-750H(760L)



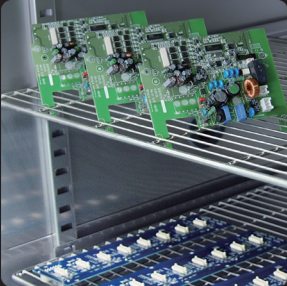
VACUUM OVENS

Amb. +5 to 250°C

OV-11(28L) / OV-12(65L)

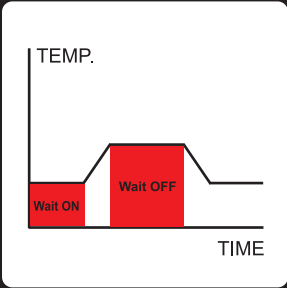


Precision

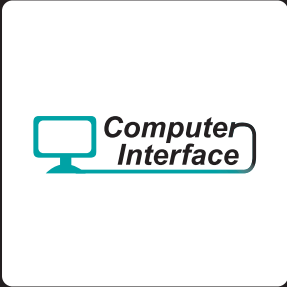


Microprocessor PID control
Simple calibration and Auto tuning function

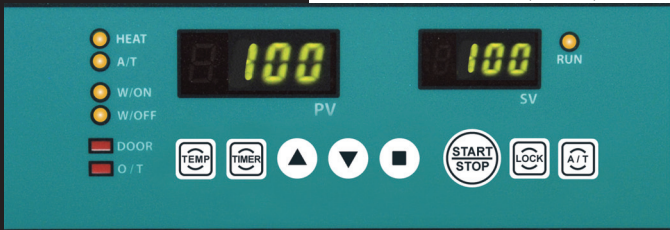
Multi function



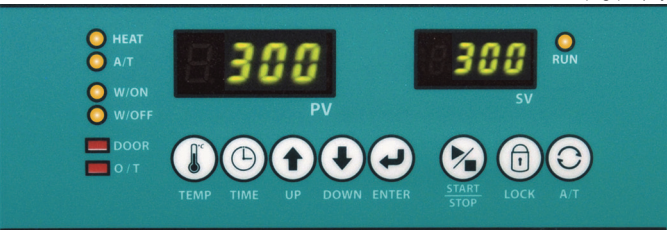
PC control



Digital Display



Intuitive and easy-to-operate control panel design using MMI (Man Machine Interface) network system



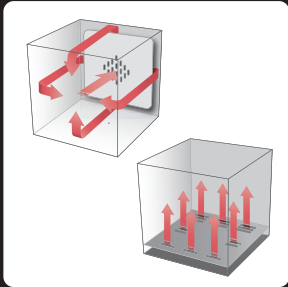
Bright LED displays and splash-proof and easy-to-clean keypad

Conveniently preset three most commonly used temperature setting

Safety



Air flow



Stainless steel chamber



Grade 304 stainless steel chamber interior and dirt-repellent external surface with power coating (except for OV-11/12)

Adjustable and electropolished stainless steel wire shelves allowing efficient airflow and easy cleaning (except for OV-11/12)

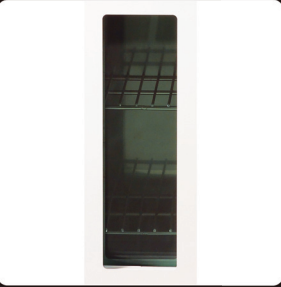
Air-tight door gasket



Air-tight door gasket minimizing heat loss

Adjustable slide vents for controlling inner vapor circulation (except for OV-11/12)

Glass window



Threefold tempered-glass window providing clear inside view of the chambers (optional - G type models only)

Door opens 180 degrees and features a double latch door handle (G type models only)

Ventilation vent



General Purpose Ovens

OF-300G/450G/750G (Amb. +10 to 200 °C)



Forced Convection Ovens (general)

Specially designed for large volume and fast drying applications



Model		OF-300G	OF-450G	OF-750G
Chamber Volume (L / cu ft)		314 / 11	450 / 15.9	760 / 26.8
Temperature	Range (°C / °F)	Amb. +10 to 200 / Amb.+18 to 392		
	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.2 / 0.36	0.1 / 0.18	0.2 / 0.36
	Variation ¹⁾ at 100°C (±°C / °F)	0.9 / 1.6	0.7 / 1.3	1.5 / 2.7
Dimension (W×D×H)	Interior (mm / inch)	645×750×650 / 25.4×29.5×25.6	645×750×930 / 25.4×29.5×36.6	745×850×1200 / 29.3×33.5×47.2
	Exterior (mm / inch)	835×1020×1225 / 32.9×40.2×48.2	835×1020×1505 / 32.9×40.2×59.3	955×1140×1775 / 37.6×44.9×69.9
	Net Weight (Kg / lbs)	170 / 375	220 / 485	300 / 661
	Electrical Requirements (230V, 1 ph, 50 / 60 Hz)	12.7A		
Cat. No.	Solid Door Type	AAH18015K	—	—
	Viewing Window Door Type	AAH18115K	—	—
Electrical Requirements (230V, 3 ph, 50 / 60 Hz)			10A	13.8A
Cat. No.	Solid Door Type	—	AAH180213K	AAH180313K
	Viewing Window Door Type	—	AAH181213K	AAH181313K
Electrical Requirements (380V, 3 ph, 50 / 60 Hz)			6.5A	8.8A
Cat. No.	Solid Door Type	—	AAH180214K	AAH180314K
	Viewing Window Door Type	—	AAH181214K	AAH181314K

1) Technical data according to DIN 12880.

General Purpose Ovens

OF-02G-2C, OF-02G-4C (Amb. +10 to 200 °C)



Forced Convection Ovens (2 & 4-chambers)

Featuring two or four 60L forced convection ovens in a single unit, this oven is designed to offer an ideal solution for laboratories with limited space



Model		OF-02G-2C	OF-02G-4C
Chamber Volume (L / cu ft)		60 / 2.1 x 2 Chambers	60 / 2.1 x 4 Chambers
Temperature	Range (°C / °F)	Amb. +10 to 200 / Amb. +18 to 392	
	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.5 / 0.9	
	Variation ¹⁾ at 100°C (±°C / °F)	1.0 / 1.8	
Dimension (W×D×H)	Interior (mm / inch)	400×360×420 / 15.7×14.2×16.5 x 2 Chambers	400×360×420 / 15.7×14.2×16.5 x 4 Chambers
	Exterior (mm / inch)	570×640×1340 / 22.4×25.2×52.8	1170×640×1340 / 46.1×25.2×52.8
	Net Weight (Kg / lbs)	110 / 242.5	170 / 374.8
Electrical Requirements (230V, 50 / 60Hz)		8.4A	8.4A x 2EA
Cat. No.		AAH1A115K	AAH1A015K
Electrical Requirements (120V, 50 / 60Hz)		16.7A	16.7A x 2EA
Cat. No.		AAH1A116U	AAH1A016U

1) Technical data according to DIN 12880.



Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

RS-232 interface

Forced convection

Rounded inner chamber corners for easy cleaning and optimal airflow

Corrosion-resistant incoloy sheath heating element and stainless steel interior

Adjustable dual slide vents for controlling inner vapor circulation (diameter: 38mm/1.5")

Built-in casters for easy transport

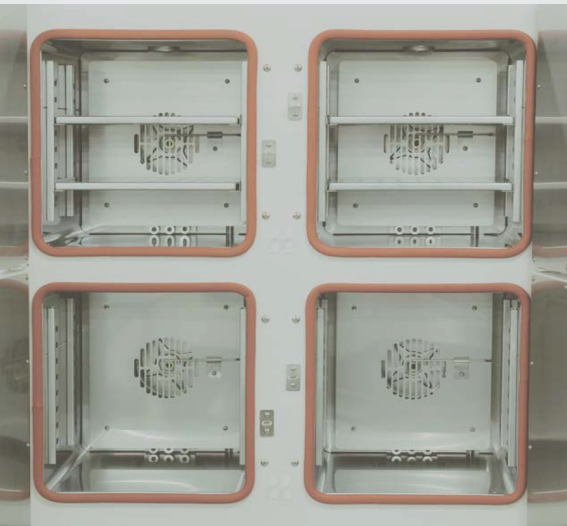
Large chamber capacity (maximum 760L/28.8cu ft)

Adjustable 5-speed fan for controlling inner circulation rate

Threefold tempered-glass window providing clear inside view of the chamber (viewing window door type only)

Digital recorders (optional); 6-point dot type recorder Thermal line type recorder

Wire shelves are provided as standard accessories (Two for OF-300G, three for OF-450G/750G)



Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Forced convection

Two or four independently controlled 60L ovens (Same as OF-02G) merged into a single unit for space saving

Rounded inner chamber corners for easy cleaning and optimal airflow

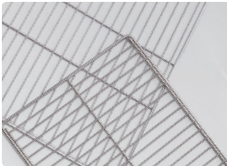
Corrosion-resistant incoloy sheath heating element and stainless steel interior

Adjustable ventilation vents for controlling inner vapor circulation (diameter: 38mm/1.5")

Built-in casters for easy transport

8 wire shelves are provided as standard accessories

STANDARD



• Wire Shelves for OF-300G/450G (RTD1196) for OF-750G (RTD1197)

OPTIONAL



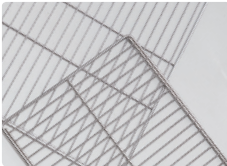
• Perforated Shelves for OF-300G, 450G (AAA80604-2) for OF-750G (AAA80604-3)



• Digital Recorders 6 Point type (AAA8T500) Thermal line type (AAAE1503)



STANDARD



• Wire Shelves (EDA8136)

OPTIONAL



• Perforated Shelves (AAA12531)

General Purpose Ovens

OF-01E/11E/21E (Amb. +10 to 220℃)



Forced Convection Ovens (Economy)

Affordable multi-function fast drying ovens with vertical airflow



Model		OF-01E	OF-11E	OF-21E
Chamber Volume (L / cu ft)		52 / 1.8	100 / 3.5	150 / 5.3
Temperature	Range (°C / °F)	Amb. +10 to 220 / Amb. +18 to 428		
	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.4 / 0.72		
	Variation ¹⁾ at 100°C (±°C / °F)	3.3 / 5.94	3.3 / 5.94	2.3 / 4.14
Dimension (W×D×H)	Interior (mm / inch)	375×370×370 14.8×14.6×14.6	455×430×510 18×17×20	585×460×555 23×18.1×21.9
	Exterior (mm / inch)	530×535×737 20.9×21.1×29	610×595×877 24×23.4×34.5	740×625×922 29.1×24.6×36.3
	Net Weight (Kg / lbs)	36 / 79.4	47 / 103.6	59 / 130
Electrical Requirements (230V, 50 / 60 Hz)		4.3A	6A	7.4A
Cat. No.		AAH14012K	AAH14022K	AAH14032K
Electrical Requirements (120V, 50 / 60 Hz)		6.8A	8.4A	10.1A
Cat. No.		AAH14016U	AAH14026U	AAH14036U

1) Technical data according to DIN 12880.



Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Forced air convection

Corrosion-resistant incoloy sheath heating element and stainless steel interior

Adjustable dual slide vents for controlling inner vapor circulation (diameter: 38mm/1.5")

Easy-to-grip circular door handle

Two wire shelves are provided as standard accessories

STANDARD



- Wire Shelves for OF-01E (EDA8136) for OF-11E (EDA8135) for OF-21E (EDA8137)

OPTIONAL



- Perforated Shelves for OF-01E (AAA12531) for OF-11E (AAA12532) for OF-21E (AAA12535)

General Purpose Ovens

ON-01E/11E/21E (Amb. +15 to 220℃)



Natural Convection Ovens (Economy)

Economical multi-function ovens with gentle airflow



Model		ON-01E	ON-11E	ON-21E
Chamber Volume (L / cu ft)		52 / 1.8	100 / 3.5	150 / 5.3
Temperature	Range (°C / °F)	Amb. +15 to 220 / Amb. +27 to 428		
	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.3 / 0.54	0.4 / 0.72	0.5 / 0.9
	Variation ¹⁾ at 100°C (±°C / °F)	6.5 / 11.7	4.1 / 7.38	7.3 / 13.14
Dimension (W×D×H)	Interior (mm / inch)	375×370×370 14.8×14.6×14.6	455×430×510 18×17×20	585×460×555 23×18.1×21.9
	Exterior (mm / inch)	530×535×737 20.9×21.1×29	610×595×877 24×23.4×34.5	740×625×922 29.1×24.6×36.3
	Net Weight (Kg / lbs)	34 / 75	46 / 101.4	59 / 130
Electrical Requirements (230V, 50 / 60 Hz)		4.3A	6A	7.4A
Cat. No.		AAH15015K	AAH15025K	AAH15035K
Electrical Requirements (120V, 50 / 60 Hz)		6.7A	8.3A	10A
Cat. No.		AAH15016U	AAH15026U	AAH15036U

1) Technical data according to DIN 12880.



Microprocessor PID control

Calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Natural convection

Corrosion-resistant incoloy sheath heating element and stainless steel interior

Adjustable dual slide vents for controlling inner vapor circulation (diameter: 38mm/1.5")

Easy-to-grip circular door handle

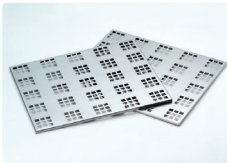
Two wire shelves are provided as standard accessories

STANDARD



- Wire Shelves for ON-01E (EDA8136) for ON-11E (EDA8135) for ON-21E (EDA8137)

OPTIONAL



- Perforated Shelves for ON-01E (AAA12531) for ON-11E (AAA12532) for ON-21E (AAA12535)

General Purpose Ovens

OF-02G/12G/22G (Amb. +10 to 250 °C)



Forced Convection Ovens (General)

Superb air dispersion and uniform temperature distribution



Model		OF-02G	OF-12G	OF-22G
Chamber Volume (L / cu ft)		60 / 2.1	102 / 3.6	151 / 5.3
Temperature	Range (°C / °F)	Amb. +10 to 250 / Amb. +18 to 482		
	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.5 / 0.9	0.6 / 1.08	0.8 / 1.44
	Variation ¹⁾ at 100°C (±°C / °F)	1 / 1.8	1.3 / 2.3	1.7 / 3.1
Dimension (W×D×H)	Interior (mm / inch)	400×360×420 15.7×14.2×16.5	480×410×520 18.9×16.1×20.5	550×460×600 22×18×23.6
	Exterior (mm / inch)	577×642×760 22.7×25.3×30	657×692×870 25.9×27.2×34.3	727×742×974 28.7×29.2×38.3
	Net Weight (Kg / lbs)	53 / 117	63 / 139	72.5 / 160
Electrical Requirements (230V, 50 / 60 Hz)		4.4A	6.1 A	7.4A
Cat. No.		AAH12155K	AAH12165K	AAH12175K
Electrical Requirements (120V, 50 / 60 Hz)		6.8A	8.4A	10.1A
Cat. No.		AAH12156U	AAH12166U	AAH12176U

1) Technical data according to DIN 12880.

General Purpose Ovens

ON-02G/12G/22G (Amb. +15 to 250 °C)



Natural Convection Ovens (Economy)

Economical multi-function ovens with gentle airflow



Model		ON-02G	ON-12G	ON-22G
Chamber Volume (L / cu ft)		52 / 1.8	91 / 3.2	135 / 4.8
Temperature	Range (°C / °F)	Amb. +15 to 250 / Amb. +27 to 482		
	Fluctuation ¹⁾ at 100°C (±°C / °F)	0.3 / 0.54		
	Variation ¹⁾ at 100°C (±°C / °F)	5.9 / 10.62	7.5 / 13.5	6.9 / 12.42
Dimension (W×D×H)	Interior (mm / inch)	400×360×365 15.7×14.2×14.4	480×410×465 18.9×16.1×18.3	610×460×485 24×18×19
	Exterior (mm / inch)	577×542×760 22.7×21.3×30	657×592×870 25.9×23.3×34.3	785×642×897 30.9×25.3×35.3
	Net Weight (Kg / lbs)	49 / 108	59 / 130	68 / 150
Electrical Requirements (230V, 50 / 60 Hz)		4.3A	6A	7.4A
Cat. No.		AAH11135K	AAH11145K	AAH11155K
Electrical Requirements (120V, 50 / 60 Hz)		6.7A	8.3A	10A
Cat. No.		AAH11136U	AAH11146U	AAH11156U

1) Technical data according to DIN 12880.

Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

RS-232 interface

Forced convection

Fully insulated dual-wall door with 180 degree hinges and a pull-down handle

Rounded inner chamber corners for easy cleaning and optimal airflow

Corrosion-resistant incoloy sheath heating element and stainless steel interior

Adjustable dual slide vents for controlling inner vapor circulation (diameter: 38mm/1.5")

Fan speed control by an analog dial for preventing powdered samples from blowing away (optional)

Threefold tempered-glass window providing clear inside view of the chamber (optional)

Two wire shelves are provided as standard accessories

Microprocessor PID control

Simple calibration and auto-tuning function

Delayed ON/OFF digital timer: from 1 min ~ 99 hr 59 min

Intuitive control panel with bright LED display and touch-sensitive keypad

High temperature limit setting and open door alert

Convenient presetting function for 3 most commonly used temperature settings

Natural convection

Fully insulated dual-wall door with 180 degree hinges and a pull-down handle

Rounded inner chamber corners for easy cleaning and optimal airflow

Corrosion-resistant incoloy sheath heating element and stainless steel interior

Adjustable dual slide vents for controlling inner vapor circulation (diameter: 38mm/1.5")

Threefold tempered-glass window providing clear inside view of the chamber (optional)

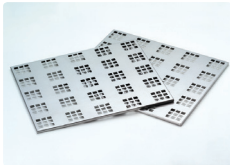
Two wire shelves are provided as standard accessories

STANDARD



- Wire Shelves for OF-02G (EDA8136) for OF-12G (EDA8135) for OF-22G (EDA8137)

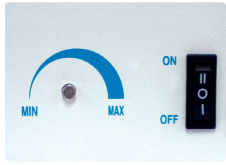
OPTIONAL



- Perforated Shelves for OF-02G (AAA12531) for OF-12G (AAA12532) for OF-22G (AAA12533)

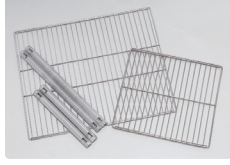


- Tempered Viewing Windows for OF-02G (AAA12611) for OF-12G/22G (AAA12612)



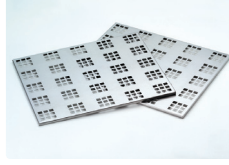
- Fan Speed Adjuster for OF-02G/12G/22G (AAA12701)

STANDARD



- Wire Shelves for ON-02G (EDA8136) for ON-12G (EDA8135) for ON-22G (EDA8137)

OPTIONAL



- Perforated Shelves for ON-02G (AAA12531) for ON-12G (AAA12532) for ON-22G (AAA12533)



- Tempered Viewing Windows for ON-02G (AAA12611) for ON-12G/22G (AAA12612)

General Purpose Ovens

OF-300H/450H/750H (Amb. +10 to 300℃)



Forced Convection Ovens (general)

High temperature control
Specially designed for large volume
and fast drying applications



Model		OF-300H	OF-450H	OF-750H
Chamber Volume (L / cu ft)		314 / 11	450 / 15.9	760 / 26.8
Temperature	Range (℃ / °F)	Amb. +10 to 300 / Amb.+18 to 572		
	Fluctuation ¹⁾ at 100℃ (±℃ / °F)	0.2 / 0.36		
	Variation ¹⁾ at 100℃ (±℃ / °F)	0.8 / 1.4		
Dimension (W×D×H)	Interior (mm / inch)	645×750×650 / 25.4×29.5×25.6	645×750×930 / 25.4×29.5×36.6	745×850×1200 / 29.3×33.5×47.2
	Exterior (mm / inch)	835×1020×1225 / 32.9×40.2×48.2	835×1020×1505 / 32.9×40.2×59.3	955×1140×1775 / 37.6×44.9×69.9
	Net Weight (Kg / lbs)	190 / 419	240 / 529	330 / 728
	Electrical Requirements (230V, 3 ph, 50 / 60 Hz)	10A	13.8A	16.8A
Cat. No.	Solid Door Type	AAH190113K	AAH190213K	AAH190313K
	Viewing Window Door Type	AAH191113K	AAH191213K	AAH191313K
Electrical Requirements (380V, 3 ph, 50 / 60 Hz)	6.5A	8.8A	10.6A	
	Cat. No.	AAH190114K	AAH190214K	AAH190314K
Cat. No.	Solid Door Type	AAH191114K	AAH191214K	AAH191314K
	Viewing Window Door Type			

1) Technical data according to DIN 12880.

Vacuum Ovens

OV-11/12 (Amb. +5 to 250℃)



Optimally constructed for
separating solvents from
solutions or drying solvents
with high boiling points



Model		OV-11	OV-12
Chamber Volume (L / cu ft)		28 / 1	65 / 2.3
Vacuum Range		0~0.1MPa, Analog	
Nozzle Size (mm / inch)		Vacuum Ø10 / 0.4, Vent Ø10 / 0.4	
Temperature	Range (℃ / °F)	Amb. +5 to 250 / Amb. +9 to 482	
	Fluctuation ¹⁾ (±℃ / °F at 100℃)	0.1 / 0.18	0.3 / 0.54
	Variation ¹⁾ (±℃ / °F at 100℃)	3.7 / 6.66	
Dimension (W×D×H)	Interior (mm / inch)	302×305×302 / 11.9×12×11.9	402×405×402 / 15.8×15.9×15.8
	Exterior (mm / inch)	680×453×495 / 26.8×17.8×19.5	780×557×595 / 30.7×21.9×23.4
	Net Weight (Kg / lbs)	63 / 139	103 / 227
Electrical Requirements (230V, 50 / 60 Hz)		5.3A	6.1A
Cat. No.		AAH13115K	AAH13125K
Electrical Requirements (120V, 50 / 60 Hz)		10A	11.7A
Cat. No.		AAH13116U	AAH13126U

1) Technical data according to DIN 12880.



Microprocessor PID control

Simple calibration and
auto-tuning function

Delayed ON/OFF digital timer:
from 1 min ~ 99 hr 59 min

Intuitive control panel
with bright LCD display
and touch-sensitive keypad

High temperature limit setting
and open door alert

Convenient presetting function
for 3 most commonly used
temperature settings

RS-232 interface

Forced convection

Rounded inner chamber
corners for easy cleaning
and optimal airflow

Corrosion-resistant incoloy
sheath heating element
and stainless steel interior

Adjustable dual slide vents
for controlling inner vapor
circulation (diameter: 38mm/1.5")

Built-in casters for easy
transport

Large chamber capacity
(maximum 760L/28.8cu ft)

Adjustable 5-speed fan
for controlling inner
circulation rate

Threefold tempered-glass
window providing clear inside
view of the chamber
(viewing window door type only)

Digital recorders (optional):
6-point dot type recorder
Thermal line type recorder

Wire shelves are provided
as standard accessories
(Two for OF-300H, three for OF-450H/750G)

STANDARD



- Wire Shelves
for OF-300H/450H (RTD1196)
for OF-750H (RTD1197)

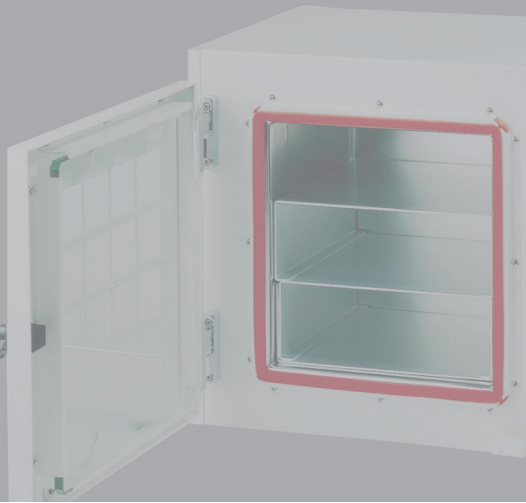
OPTIONAL



- Perforated Shelves
for OF-300H, 450H (AAA80604-2)
for OF-750H (AAA80604-3)



- Digital Recorders
6 Point type (AAA8T500)
Thermal line type (AAAE1503)



Microprocessor PID control

Simple calibration and
auto-tuning function

Vacuum range: 0 to 0.1 MPa.
(analog vacuum gauge)

Delayed ON/OFF digital timer:
from 1 min ~ 99 hr 59 min

Intuitive control panel
with bright LED display
and touch-sensitive keypad

High temperature limit setting
and open door alert

Convenient presetting function
for 3 most commonly used
temperature settings

RS-232 interface

Separate vacuum and vent ports

Heat tempered glass
window providing clear
inside view of the chambers

Tight vacuum seal thanks
to spring-loaded glass door,
silicone gasket, and a push-
button latch handle

Uniform heat distribution
from block type heater
attached to the chamber
exterior to the anodized
aluminum shelves

Viton door gasket
also available for acidic
applications (optional)

STANDARD

- Plate Shelve, 3.0mm (0.12"):

Two plate shelves
are provided with OV-11

Three plate shelves
are provided with OV-12

- Silicone Gasket
for OV-11 (FAA5146)
for OV-12 (FAA5147)

OPTIONAL



- Safety Covers
for OV-11 (AAA13603)
for OV-12 (AAA13604)



- Viton Gasket
for OV-11 (FAA5187)
for OV-12 (FAA5188)



- Vacuum Pumps
MVP-6; 230V, 50/60Hz (BEH73005K)
Oil Mist Trap (BEH73501)



- Cold Trap Baths
CTB-10; 230V, 60Hz (AAH62011K)
CTB-10; 230V, 50Hz (AAH62012K)
U-type Glass Trap (AAA62501)

Heating oven

electrically heated cabinet, in which the temperature of the inner chamber can be controlled from a few degrees above ambient temp. to a maximum of typically 200 °C, 250 °C or 300 °C.

Drying oven

heating oven intended to dry samples (see the Sample)

Vacuum oven, Vacuum drying oven

drying oven enabling in the inner chamber the setting of a pressure below atmospheric pressure.

Inner chamber

space limited by the inner walls, that means inside height, width and depth of the heating oven or incubator.
(or inside diameter and depth of round cabinets)

Workspace

that part of the inner chamber, within which the temperature specifications of the manufacturer apply.

NOTE The limiting areas of the workspace usually are parallel to the inner walls and result from the chosen positions of temp. measurement during the testing of temperature deviations in accordance with DIN 12880

Sample

any material, workpiece, container of test material and similar item being conditioned in the heating oven or incubator.

Temperature variation

three-dimensional temperature deviation which is given by the max. temp. difference between any two measurement positions in the inner chamber of the heating oven or incubator.

NOTE Temperature variation is evaluated according to DIN 12880

Temperature fluctuation

temporal temperature deviation which is given by the maximum temp. difference arising at a single measurement position in the inner chamber of the heating oven or incubator.

NOTE Temperature fluctuation is evaluated according to DIN 12880

Working temperature range

temperature range between the lowest and the highest temp. which can be set.

Nominal temperature

highest temperature which can be set.

Ovens

Memo

