

ovens

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Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Thermo Scientific Heratherm Heating and Drying Ovens Selector Guide

Features	Heratherm® General Protocol Oven		Heratherm Advanced Protocol Oven		Heratherm Advanced Protocol Security Oven
	TABLE TOP	LARGE CAPACITY	TABLE TOP	LARGE CAPACITY	TABLE TOP
Temperature range	50°C ¹ - 250°C	50°C ¹ - 250°C	50°C ¹ - 330°C	50 °C - 250 °C	50°C ¹ - 330°C
Interior material	stainless steel AISI 430 / 1.4016	stainless steel AISI 430 / 1.4016	stainless steel AISI 304 / 1.4301	stainless steel AISI 304 / 1.4301	stainless steel AISI 304 / 1.4301
Rounded corners	✓	✓	✓	✓	✓
Microprocessor control	✓	✓	✓	✓	✓
Automatic over-temperature alarm	✓	✓	✓	✓	✓
Stackable with optional stacking kit	✓	—	✓	—	✓
Easy calibration routine	✓	✓	✓	✓	✓
Gravity Convection	choice	✓	choice	—	choice
Mechanical Convection	choice	—	choice	✓	choice
Timer functions	on / off	on / off	choice of weekly / daily / real time	choice of weekly / daily / real time	choice of weekly / daily / real time
Fresh air damper	manually controlled	manually controlled	electronically controlled	electronically controlled	electronically controlled
Access port for independent data monitoring	Use exhaust vent	Use exhaust vent	✓	✓	✓
RS232 interface	✓	✓	✓	✓	✓
Adjustable fan speed	—	—	5 speeds	2 speeds	5 speeds
Programmable (ramps / dwells)	—	—	✓	✓	✓
Boost function for accelerated heat-up	—	—	✓	—	✓
Optional stainless steel exterior	—	—	—	✓ (not available in NA)	✓
Dry alarm contact for connection of alarm device	—	—	✓	✓	✓
Automatic undertemperature alarm	—	—	—	—	✓
Door alarm	—	—	—	✓	✓
Lockable door	—	—	—	—	✓
Connection for optional sample temperature sensor	—	—	—	✓	✓

¹ Temperatures as low as ambient +10 °C can be selected – requires open damper and no additional heat in unit

Application	Material/Sample*	Temp. Requirements	Recommended Heratherm Oven
Drying	Glassware	Fast drying	Gravity convection for gentle drying, Mechanical convection for fast drying, Choose Advanced Protocol for highest temperature accuracy and selection of fan speed, choose Advanced Protocol Security for highest sample safety. Check also our vacuum ovens for speedy drying at low temperatures.
	Powders	Gentle/Fast drying	
	Paper, textile	Gentle/Fast drying	
	Soil, sand	Gentle drying	
	Electronics	Gentle drying	
	Pharmaceutical preparations	Gentle drying	
Material testing	Cables	Highest temperature accuracy; safe processes	Advanced protocol models with mechanical convection; Advanced protocol security models for highest sample safety.
	Plastics	Highest temperature accuracy; safe processes	
Curing	Paint	Gentle Heating	Gravity convection for gentle heating. Choose Advanced Protocol for high temperature accuracy, Advanced Protocol Security for highest sample safety. If combustible solvents are released: ask your Thermo Fisher Scientific representative!
	Adhesives	Gentle Heating	
	Plastics	Gentle Heating	
	Metals	Gentle Heating	
Heated Storage	Pills, drugs	Gentle heating; safe processes	Gravity convection for gentle heating, or mechanical convection Advanced Protocol at low fan speed. Choose Advanced Protocol Security for highest sample safety.
Vulcanization	Rubber	Gentle Heating	

* examples



Thermo Scientific Heratherm General Protocol Ovens

Perfect for routine day to day work, providing the ideal heating and drying solution for research, clinical or industrial needs



- Choice of gravity convection for gentle drying and heating, or mechanical convection for faster drying and heating, and excellent temperature uniformity
- Three sizes; Operating temperatures from 50° to 250°C
- Automatic over-temperature alarm system to protect samples
- Low overall energy consumption
- Excellent footprint/volume ratio
- Corrosion-resistant stainless-steel chambers with rounded corners for easy cleaning
- Large, easy to read vacuum fluorescent display
- Easy to use, microprocessor-controlled touch button operation
- Easy to access – doors can be opened to over 180° degrees

Ordering Alerts: Availability may vary by country.

Warranty*: 2 years (parts and labor)

Certifications: cCSAus (120V 208-240V 60Hz models) and CE (230V, 50/60Hz models)

Cat. No.	Model	Chamber Volume	Footprint	Temp Uniformity/ Stability (@150°C)	Chamber Dimensions (D x W x H)	Exterior Dimensions* (D x W x H)	Shelves Supplied (Max)/ Max Load	Shipping Weight	Electrical/ Plug Type
Gravity Convection									
51028112	OGS60	65L (2.30 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±4.0°C / ±0.4°C	415 x 328 x 480mm (16.4 x 12.9 x 18.9in.)	470 x 565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	42kg (93 lb.)	120V; 60Hz; 1730w; 14.4A; US Nema 5-15
51028139	OGS60	65L (2.30 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±4.4°C / ±0.4°C	415 x 328 x 480mm (16.4 x 12.9 x 18.9in.)	470 x 565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	42kg (93 lb.)	230V; 50/60Hz; 1800w; 7.9A; Country specific
51028872	OGS100	105L (3.75 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±4.5°C / ±0.4°C	414 x 438 x 580mm (16.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	53kg (117 lb.)	120V; 60Hz; 1680w; 14A; US Nema 5-15
51028140	OGS100	105L (3.75 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±4.0°C / ±0.4°C	414 x 438 x 580mm (16.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	53kg (117 lb.)	230V; 50/60Hz; 3100w; 13.5A; Country specific
51028113	OGS100	105L (3.75 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±4.0°C / ±0.4°C	414 x 438 x 580mm (16.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	53kg (117 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20
51028874	OGS180	176L (6.20Cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±5.0°C / ±0.4°C	589 x 438 x 680mm (23.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	66kg (146 lb.)	120V; 60Hz; 1680w; 14Ac; US Nema 5-15 (for use in North America)
51028141	OGS180	176L (6.20Cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±4.0°C / ±0.4°C	589 x 438 x 680mm (23.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	66kg (146 lb.)	230V; 50/60Hz; 3100w; 13.5A; Country specific
51028114	OGS180	176L (6.20Cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±4.0°C / ±0.4°C	589 x 438 x 680mm (23.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	66kg (146 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20 (for use in North America)
Mechanical Convection									
51028121	OMS60	66L (2.30 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±3.3°C / ±0.3°C	368 x 354 x 508mm (14.5 x 13.9 x 20.0in.)	470 x 565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	40kg (88 lb.)	120V; 60Hz; 1440w; 12A US Nema 5-15
51028148	OMS60	66L (2.30 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.8°C / ±0.3°C	368 x 354 x 508mm (14.5 x 13.9 x 20.0in.)	470 x 565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	40kg (88 lb.)	230V; 50/60Hz; 1400w; 6.1A Country specific
51028873	OMS100	104L (6.30 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.5°C / ±0.4°C	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	53kg (117 lb.)	120V; 60Hz; 1660w; 13.8A; US Nema 5-15
51028149	OMS100	104L (6.30 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±2.5°C / ±0.3°C	368 x 464 x 608mm (14.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	53kg (117 lb.)	230V; 50/60Hz; 3060w; 13.3A; Country specific
51028122	OMS100	104L (6.30 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±2.5°C / ±0.3°C	368 x 464 x 608mm (14.5 x 18.3 x 23.9 in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	53kg (117 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20
51028875	OMS180	179L (6.30 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±3.5°C / ±0.3°C	543 x 464 x 708mm (21.4 x 18.3 x 27.9 in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	66kg (146 lb.)	120V; 60Hz; 1660w; 13.8Ac; US Nema 5-15 (for use in North America)
51028150	OMS180	179L (6.30 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±3.0°C / ±0.3°C	543 x 464 x 708mm (21.4 x 18.3 x 27.9 in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	66kg (146 lb.)	230V 50/60Hz; 3060w; 13.3A; Country specific
51028123	OMS180	179L (6.30 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.8°C / ±0.3°C	543 x 464 x 708mm (21.4 x 18.3 x 27.9 in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	66kg (146 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20 (for use in North America)

* Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet (35mm / 1.4 in.)

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

Thermo Scientific Heratherm Advanced Protocol Heating and Drying Ovens

Mechanical or gravity convection technology with excellent temperature values, providing flexibility, accuracy and dependability



- Unsurpassed temperature performance – the flexible tool in the lab to be used for multiple applications
- Choice of gravity convection for gentle drying and heating, or mechanical convection for faster drying and heating, and outstanding temperature uniformity
- Broad temperature range from 50-330°C
- Adjustable fan speed for application-related airflow in mechanical convection models (e.g., drying of powders)
- High speed for expedited drying and heating, quick recovery, and optimal temperature stability and uniformity
- Programmable controller for temperature ramps and dwells
- Up to 10 programs can be saved, each with 10 discrete steps
- Electronically controlled fan speed and damper position
- Programs can be repeated automatically
- Access port allows the introduction of sensors for independent data monitoring
- Microprocessor control with vacuum fluorescent display
- Simple calibration routine ensures temperature accuracy over time
- Boost function enables rapid heating up — no need to operate the oven 24/7

Ordering Alerts: Availability may vary by country

Warranty^Y: 2 years (parts and labor)

Certifications: CSAus (120V, 208-240V/60Hz models) and CE (230V, 50/60 Hz models)

Cat. No.	Model/ Interior	Chamber Volume	Footprint	Temp Uniformity/ Stability (@150°C)	Chamber Dimensions (D x W x H)	Exterior Dimensions* (D x W x H)	Shelves Supplied (Max)/ Max Load	Shipping weight	Electrical/ Plug Type
Gravity Convection									
51028115	OGH60/ coated	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1730w; 14.4A; US Nema 5-15
51028142	OGH60/ coated	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1800w; 7.9A; Country specific
51028709	OGH60 SS/ stainless steel	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1800w; 7.9A; Country specific
51028116	OGH100/ coated	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±2.5°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20 (for use in North America)
51028143	OGH100/ coated	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3100w; 13.5A; Country specific
51028711	OGH100 SS/ stainless steel	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3100w; 13.5A; Country specific
51028144	OGH180/ coated	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.5°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3100w; 13.5A; Country specific
51028117	OGH180/ coated	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.9°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20 (for use in North America)
51028712	OGH180 SS/ stainless steel	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.5°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3100w; 13.5A; Country specific
Mechanical Convection									
51028124	OMH60/ coated	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.5°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1440w; 12A; US Nema 5-15
51028151	OMH60/ coated	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.8°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1400w; 6.1A; Country specific
51028713	OMH60 SS/ stainless steel	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.8°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1400w; 6.1A; Country specific
51028125	OMH100/ coated	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 464 x 608mm (13.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20 (for use in North America)
51028152	OMH100/ coated	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 464 x 608mm (13.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3060w; 13.3A; Country specific
51028715	OMH100 SS/ stainless steel	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 464 x 608mm (13.5 x 18.3 x 23.9in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3060w; 13.3A; Country specific
51028126	OMH180/ coated	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.5°C / ±0.2°C	518 x 464 x 708mm (18.3 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20 (for use in North America)
51028153	OMH180/ coated	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.8°C / ±0.2°C	518 x 464 x 708mm (18.3 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3060w; 13.3A; Country specific
51028716	OMH180 SS/ stainless steel	179L (6.30 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.8°C / ±0.2°C	518 x 464 x 708mm (18.3 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3060w; 13.3A; Country specific

* Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet (35mm / 1.4 in.)

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

Thermo Scientific Heratherm Advanced Protocol Security Heating and Drying Ovens

Extra layer of security for applications where process reliability and security are paramount



- Choice of gravity convection for gentle drying and heating, or mechanical convection for faster drying and heating, and exceptional temperature uniformity
- Choice of stainless steel exterior available for demanding pharmaceutical and clinical applications
- Standard over-temperature alarm and an additional under-temperature alarm ensure that your samples stay at the correct temperature
- Door lock prevents disruption, tampering or accidental opening
- Door alarm notifies the operator when door is left open accidentally, preventing the temperature from deviating
- Broad temperatures range from 50-330°C
- Optional sample sensor provides exact temperature of sample on display
- Auto-dry function deactivates oven when the samples are dry, saving energy
(Note: Optional sample sensor is required to utilize this feature)
- Advanced digital timer for daily or weekly on / off cycles
- Stainless-steel interior is easy to clean and corrosion resistant (steel quality AISI 304 /1.4301)
- Programmable controller for temperature ramps and dwells
- Up to 10 programs can be saved, each with 10 discrete steps
- Electronically controlled fan speed and damper position can be incorporated; Programs can be repeated automatically
- Access port allows the introduction of sensors for independent data monitoring
- Simple calibration routine ensures temperature accuracy over time
- Boost function enables rapid heating up – no need to operate the oven 24/7

Ordering Alerts: Availability may vary by country

Warranty[†]: 2 years (parts and labor)

Certifications: CSAus (120V, 208-240V/60Hz models) and CE (230V, 50/60Hz models)

Cat. No.	Model/Interior	Chamber Volume	Footprint	Temp Uniformity/ Stability (@37°C)	Chamber Dimensions (D x W x H)	Exterior Dimensions* (D x W x H)	Shelves Supplied (Max)/ Max Load	Shipping weight	Electrical/ Plug Type
Gravity Convection									
51028118	OGH60-S/ coated	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1730w; 14.4A; US Nema 5-15
51028536	OGH60-S SS/ Stainless Steel	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1730w; 14.4A; US Nema 5-15
51028145	OGH60-S/ coated	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1800w; 7.9A; Country specific
51028544	OGH60-S SS/ Stainless Steel	61L (2.15 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±2.5°C / ±0.3°C	389 x 328 x 480mm (15.3 x 12.9 x 18.9in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1800w; 7.9A; Country specific
51028119	OGH100-S/ coated	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20 (for use in North America)
51028537	OGH100-S SS/ Stainless Steel	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±2.5°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20
51028146	OGH100-S/ coated	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
51028545	OGH100-S SS/ Stainless Steel	99L (3.6 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±3.0°C / ±0.3°C	389 x 438 x 580mm (15.3 x 17.2 x 22.8in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
51028120	OGH180-S/ coated	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.9°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20 (for use in North America)
51028538	OGH180-S SS/ Stainless Steel	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.9°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A; US Nema 6-20 (for use in North America)
51028147	OGH180-S/ coated	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.5°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
51028546	OGH180-S SS/ Stainless Steel	168L (6.05 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±2.5°C / ±0.3°C	564 x 438 x 680mm (17.2 x 17.2 x 26.8in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6 in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V; 50/60Hz; 3100w; 13.5A Country specific
Mechanical Convection									
51028127	OMH60-S/ coated	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.5°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1440w; 12A; US Nema 5-15
51028539	OMH60-S SS/ Stainless Steel	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.5°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	120V; 60Hz; 1440w; 12A; US Nema 5-15
51028154	OMH60-S/ coated	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.8°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1400w; 6.1A Country specific
51028547	OMH60-S SS/ Stainless Steel	62L (2.2 cu. ft.)	0.3 sq. m (3.2 sq. ft.)	±1.8°C / ±0.2°C	343 x 354 x 508mm (13.5 x 13.9 x 20.0in.)	565 x 530 x 755mm (22.2 x 20.9 x 29.7in.)	2 (13)/25kg (55 lb.)	44kg (97 lb.)	230V; 50/60Hz; 1400w; 6.1A Country specific
51028128	OMH100-S/coated	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20 (for use in North America)
51028326	OMH100-S SS/ Stainless Steel	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20 (for use in North America)
51028155	OMH100-S/coated	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3060w; 13.3A Country specific
51028548	OMH100-S SS/ Stainless Steel	97L (3.5 cu. ft.)	0.36 sq. m (3.9 sq. ft.)	±1.3°C / ±0.2°C	343 x 438 x 608mm (13.5 x 17.2 x 23.9 in.)	565 x 640 x 855mm (22.2 x 25.2 x 33.7in.)	2 (16)/25kg (55 lb.)	55kg (121 lb.)	230V; 50/60Hz; 3060w; 13.3A Country specific
51028129	OMH180-S/coated	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.5°C / ±0.2°C	518 x 464 x 708mm (20.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20
51028540	OMH180-S SS/ Stainless Steel	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.5°C / ±0.2°C	518 x 464 x 708mm (20.4 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	208-240V; 60Hz; 3360w; 14A US Nema 6-20 (for use in North America)
51028156	OMH180-S/ coated	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.8°C / ±0.2°C	518 x 464 x 708mm (18.3 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V 50/60Hz; 3060w; 13.3A Country specific
51028549	OMH180-S SS/ Stainless Steel	170L (6.1 cu. ft.)	0.47 sq. m (5.1 sq. ft.)	±1.8°C / ±0.2°C	518 x 464 x 708mm (18.3 x 18.3 x 27.9in.)	738 x 640 x 955mm (29.1 x 25.2 x 37.6in.)	2 (19)/25kg (55 lb.)	69kg (152 lb.)	230V 50/60Hz; 3060w; 13.3A Country specific

* Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (80mm / 3.1 in.); height includes the feet (35mm / 1.4 in.)

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

Thermo Scientific Heratherm Ovens Accessories

Cat. No.	Description	Details
Additional Shelving		
50128881	Reinforced shelf – 180L, mechanical convection	Shelf with maximum capacity of 70 kg for 180 liter models, mechanical convection of Advanced Protocol and Advanced Protocol Security ovens; max total capacity is 250 kg
50128880	Reinforced shelf – 180L, gravity convection	Shelf with maximum capacity of 70 kg for 180 liter models, gravity convection of Advanced Protocol and Advanced Protocol Security ovens; max total capacity is 250 kg
50127761	Additional shelf kit, 60L model, gravity convection	Additional wire mesh shelf for 60L gravity convection models, including 2 shelf supports
50127762	Additional shelf kit, 100L model, gravity convection	Additional wire mesh shelf for 100L gravity convection models, including 2 shelf supports
50127763	Additional shelf kit, 180L model, gravity convection	Additional wire mesh shelf for 180L gravity convection models, including 2 shelf supports
50127764	Additional shelf kit, 60L model, mechanical convection	Additional wire mesh shelf for 60L mechanical convection models, including 2 shelf supports
50127765	Additional shelf kit, 100L model, mechanical convection	Additional wire mesh shelf for 100L mechanical convection models, including 2 shelf supports
50127766	Additional shelf kit, 180L model, mechanical convection	Additional wire mesh shelf for 180L mechanical convection models, including 2 shelf supports
Stacking Kits		
50126665	Stacking kit 60L units	Stacking kit for Heratherm 60L models
50126666	Stacking kit 100L units	Stacking kit for Heratherm 100L models - use also to stack 60L on 100L
50126667	Stacking kit 180L units	Stacking kit for Heratherm 180L models - use also to stack 60L or 100L on 180L
Support Stands		
50127741	Support stand 60L units	Support stand with casters for 60L units; height of stand including casters: 187mm / 7.4in
50127742	Support stand 100L units	Support stand with casters for 100L units; height of stand including casters: 187mm / 7.4in
50127743	Support stand 180L units	Support stand with casters for 180L units; height of stand including casters: 187mm / 7.4in
Sample Sensor		
50127767	Sample sensor Advanced Protocol Security	Sample sensor to measure and display exact sample temperature - for Heratherm Advanced Protocol Security ovens
Underbench Installation Kit		
50128887	Kit for underbench installation – air exhaust	Kit for underbench installation; for all AP and APS ovens; consists of exhaust tubing (1.5 m length) and details on wall distances; note that maximum temperature for underbench installation is 250 °C
Special Sealing		
50130657	Silicone free viton sealing 60L	Silicone free viton door sealing for all 60 liter Heratherm ovens
50130658	Silicone free viton sealing 100L	Silicone free viton door sealing for all 100 liter Heratherm ovens
50130659	Silicone free viton sealing 180L	Silicone free viton door sealing for all 180 liter Heratherm ovens
Fresh Air Filter		
50127566	Fresh air particle filter	Fresh air particle filter for connection to the fresh air vent (intake), for Advanced Protocol and Advanced Protocol Security models only

* other voltages available on request

Cat. No.	Description	Details
Factory-Installed Options — Please order in conjunction with desired oven		
51900996	Access port left, small	Additional access port on center of left side of unit; Ø 24 mm for all mechanical convection ovens / Ø 19 mm for all gravity convection ovens.
51900997	Access port left, large	Additional access port on center of left side of unit; Ø 58 mm for all mechanical convection ovens / Ø 53 mm for all gravity convection ovens.
51900998	Access port right, small	Additional access port on center of right side of unit; Ø 24 mm for all mechanical convection ovens / Ø 19 mm for all gravity convection ovens.
51900999	Access port right, large	Additional access port on center of right side of unit; Ø 58 mm for all mechanical convection ovens / Ø 53 mm for all gravity convection ovens.
51901000	Access port top, small	Additional access port on center of top of unit; Ø 24 mm for all ovens.
51901001	Access port top, large	Additional access port on center of top of unit; Ø 58 mm for all ovens.
51900993	Door hinge left side	Door hinge on left side – Available for General Protocol, Advanced Protocol and Advanced Protocol Security units. Coated exterior only.
Ovens with View Package (ask for other voltages)		
51028897	OGH60 with view package 230VAC; 50/60Hz	Advanced Protocol oven with gravity convection; 61 liters volume; 230VAC; 50Hz; 1 window; light
51028898	OGH100 with view package 230VAC; 50/60Hz	Advanced Protocol oven with gravity convection; 99 liters volume; 230VAC; 50Hz; 1 window, light
51028916	OGH180 with view package 230VAC; 50/60Hz	Advanced Protocol oven with gravity convection; 168 liters volume; 230VAC; 50Hz; 2 windows, light
51028923	OMH60 with view package 230VAC; 50/60Hz	Advanced Protocol oven with mechanical convection; 62 liters volume; 230VAC; 50Hz; 1 window; light
51028734	OMH100 with view package 230VAC; 50/60Hz	Advanced Protocol oven with mechanical convection; 97 liters volume; 230VAC; 50Hz; 1 window, light
51028910	OMH180 with view package 230VAC; 50/60Hz	Advanced Protocol oven with mechanical convection; 170 liters volume; 230VAC; 50Hz; 2 windows, light
51028736	OGH60-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with gravity convection; 61 liters volume; 230VAC; 50Hz; 1 window; light
51028924	OGH100-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with gravity convection; 99 liters volume; 230VAC; 50Hz; 1 window, light
51028925	OGH180-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with gravity convection; 168 liters volume; 230VAC; 50Hz; 2 windows, light
51028926	OMH60-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with mechanical convection; 62 liters volume; 230VAC; 50Hz; 1 window; light
51028927	OMH100-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with mechanical convection; 97 liters volume; 230VAC; 50Hz; 1 window, light
51028733	OMH180-S with view package 230VAC; 50/60Hz	Advanced Protocol Security oven with mechanical convection; 170 liters volume; 230VAC; 50Hz; 2 windows, light

Thermo Scientific Heratherm Heating and Drying Ovens – Large Capacity

Designed for high sample volume or large samples



Warranty^{*}: 2 years (parts and labor)
Certifications: CSAus (208-240V/60Hz models)
 and CE (230V, 50/60Hz models)

General Protocol Ovens

Efficient

- Two sizes (400 and 750 L)
- Gravity convection technology for gentle heating and drying
- Low overall energy consumption: 25% energy savings compared to conventional ovens*
- Great footprint/volume ratio

Safe

- Operating from 10 °C above ambient temperature up to 250 °C
- Temperature uniformity of +/- 3.0 to 3.7 °K and temperature stability of 0.5 °K at 150 °C
- 750 L unit available in 400 V for high temperatures and fast heat-up and recovery times
- Inner chambers made from corrosion-resistant stainless steel (1.4016 / AISI430)

Easy

- “Plug and play” for 230V models with standard plug: 208/240V 60Hz models have Nema 6-20 plug: no special high voltage connection needed
- Intuitive user interface and easy to read display
- Lockable casters for mobility and easy set-up in your lab

Advanced Protocol Ovens

Efficient

- Two sizes (400 and 750 L)
- Mechanical convection technology ensures optimal temperature distribution with fast heat-up and drying processes

Safe

- Operating at temperatures as high as 250 °C – large 400 V unit available for up to 300 °C
- Improved level of temperature uniformity: 2.1 to 3.1 °K

Easy

- 2-speed fan for application flexibility:
- Programmable controller for pre-defined temperature ramps
 - > Up to 10 temperature steps defined per program
 - > Fan speed and damper position controlled electronically, and can be changed for every program step individually for maximum process flexibility
 - > Up to 10 programs can be saved for simple and speedy process repetition
- Sophisticated timer extends the automation options available to the user
- Inner chamber made from stainless steel (highly resistant quality 1.4301 / AISI304)
- Available in stainless steel exterior

^{*}Values stated apply to the unloaded oven in conjunction with wire mesh trays (measurement according to DIN 12880, Part 2), air flap closed.

Cat. No.	Model/ Exterior	Chamber Volume L (cuft)	Temperature Range	Temp. Uniformity*/ Stability (@150°C)*	Chamber Dimensions (D x W x H)	Exterior Dimensions * (D x W x H)	Shelves Supplied/ Max (Max Load)	Shipping Weight	Electrical/ Plug Type
General Protocol Ovens - Gravity Convection									
51029328	OGS400 / coated	419 (14.8)	50 C to 250 C	± 3°C / ± 0.5°C	590 x 544 x 1307 mm (23 x 21 x 51 in.)	770 x 778 x 1653mm (30 x 31 x 66 in.)	2 / 39 (40kg / 88lb)	136 kg (300 lb)	230V; 50/60Hz; 2400W; 10.5A; Country specific
51029327	OGS400 / coated	419 (14.8)	50 C to 250 C	± 3°C / ± 0.5°C	590 x 544 x 1307 mm (23 x 21 x 51 in.)	770 x 778 x 1653mm (30 x 31 x 66 in.)	2 / 39 (40kg / 88lb)	136 kg (300 lb)	208/240V; 60Hz; 2640W; 11A; Nema 6-20 (for use in North America)
51029340	OGS750 / coated	774 (27.3)	50 C to 250 C	± 3.7°C / ± 0.5°C	590 x 1004 x 1307 mm (23 x 40 x 51 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	182 kg (401 lb)	230V; 50/60Hz; 3000W; 13A; Country specific
51029339	OGS750 / coated	774 (27.3)	50 C to 250 C	± 3.7°C / ± 0.5°C	590 x 1004 x 1307 mm (23 x 40 x 51 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	182 kg (401 lb)	208/240V; 60Hz; 3240W; 13.5A; Nema 6-20 (for use in North America)
51029342	OGS750-3P / coated	774 (27.3)	50 C to 300 C	± 2.8°C / ± 0.5°C	590 x 1004 x 1307 mm (23 x 40 x 51 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	182 kg (401 lb)	400V; 50/60Hz; 6350W; 14A; 3-Phase
Advanced Protocol Ovens - Mechanical Convection									
51029331	OMH400 / coated	396 (14.0)	50 C to 250 C	± 2.1°C / ± 0.3°C	545 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66 in.)	2 / 39 (40kg / 88lb)	135 kg (298 lb)	230V; 50/60Hz; 3000W; 13A; Country specific
51029329	OMH400 / coated	396 (14.0)	50 C to 250 C	± 2.1°C / ± 0.3°C	545 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66 in.)	2 / 39 (40kg / 88lb)	135 kg (298 lb)	208/240V; 60Hz; 3240W; 13.5A; Nema 6-20 (for use in North America)
51029332	OMH400 SS / stainless steel	396 (14.0)	50 C to 250 C	± 2.1°C / ± 0.3°C	545 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66 in.)	2 / 39 (40kg / 88lb)	135 kg (298 lb)	230V; 50/60Hz; 3000W; 13A; Country specific
51029330	OMH400 SS / stainless steel	396 (14.0)	50 C to 250 C	± 2.1°C / ± 0.3°C	545 x 544 x 1335 mm (21 x 21 x 53 in.)	770 x 778 x 1653mm (30 x 31 x 66 in.)	2 / 39 (40kg / 88lb)	135 kg (298 lb)	208/240V; 60Hz; 3240W; 13.5A; Nema 6-20 (for use in North America)
51029345	OMH750 / coated	731 (25.8)	50 C to 250 C	± 3.1°C / ± 0.4°C	545 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	185 kg (408 lb)	230V; 50/60Hz; 3000W; 13A; Country specific
51029343	OMH750 / coated	731 (25.8)	50 °C to 250 °C	± 3.1°C / ± 0.4°C	545 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	185 kg (408 lb)	208/240V; 60Hz; 3480W; 14.5A; Nema 6-20 (for use in North America)
51029348	OMH750-3P / coated	731 (25.8)	50 °C to 300 °C	± 2.3°C / ± 0.4°C	545 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	185 kg (408 lb)	400V; 50/60Hz; 5750W; 12A; 3-Phase
51029346	OMH750 SS / stainless steel	731 (25.8)	50 °C to 250 °C	± 3.1°C / ± 0.4°C	545 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	185 kg (408 lb)	230V; 50/60Hz; 3000W; 13A; Country specific
51029344	OMH750 SS / stainless steel	731 (25.8)	50 °C to 250 °C	± 3.1°C / ± 0.4°C	545 x 1004 x 1335 mm (21 x 40 x 53 in.)	770 x 1261 x 1653mm (30 x 50 x 66 in.)	2 / 39 (40kg / 88lb)	185 kg (408 lb)	208/240V; 60Hz; 3480W; 14.5A; Nema 6-20 (for use in North America)

* Depth does not include handle/display (65mm / 2.6 in.) and distance spacer at rear (106mm / 4.2 in.); height includes the casters (108mm / 4.3 in.)

NOTE: All figures in tables are typical average values for series devices, based on factory standard following norm Din12880. Please contact us for certification information or IQ/OQ documents.

Accessories

Cat. No.	Description
50135245	Wire mesh shelf for Heratherm Advanced Protocol oven OMH400 and General Protocol oven OGS400; 528 x 535 mm
50135246	Wire mesh shelf for Heratherm Advanced Protocol oven OMH750 and General Protocol oven OGS750; 984 x 541 mm
50135244	Wire mesh shelf for Heratherm Advanced Protocol oven OMH750 3PH; also for use in Advanced Protocol Security incubator IMH750-S; 984 x 503 mm
50135869	Silicone-free viton sealing for all Heratherm 400L models
50135870	Silicone-free viton sealing for all Heratherm 750L models

Thermo Scientific Precision High-Performance Ovens

Built for drying applications requiring high temperatures, ultra-precise temperature stability and reproducibility with a very broad temperature range of ambient +15° to 325°C



- High-quality construction and high-efficiency insulation provide temperature uniformity as precise as $\pm 0.5^{\circ}\text{C}$ with excellent stability and air exchange within the chamber
- Mechanical convection provides uniform heating, precise temperature control and fast drying using a blower that circulates heated air in a horizontal airflow pattern

Advanced Microprocessor PID Controls

- Bright LED display of actual and setpoint temperatures using 2-line, 4-digit
- Built-in 12-hour mechanical timer along with user-adjustable safety thermostat allows for power cut-out in case of over-temperature
- Highly responsive RTD sensor provides temperature sensitivity of $\pm 0.1^{\circ}\text{C}$ or better

Two Specialty Units

- Model 605P: Extra baffle provides low airflow for precise drying and testing of material with minimal disruption of volatile components
- Model 625S: Features a rear blowout panel with retaining cage and positive action front-door catches for volatile material testing

Energy- and Safety-Efficient Construction

- Heat-up time to 325°C : 45-60 minutes, depending on model
- Turbo blowers for efficient drying are side-mounted within stainless-steel chamber
- Stainless-steel exterior door with fiberglass gasket for secure, tight seal
- Cold-rolled, chemical-resistant steel cabinet with powder-coated finish
- High-limit safety with built-in circuit breaker protects oven from power surges
- Fiberglass door gasket prevents heat loss
- Low-density heating elements ensure long life
- Non-tip shelves spaced 4cm (1.6in.) apart quickly, easily remove for thorough cleaning – 2 supplied

Includes: Two nickel-plated nontip shelves **Warranty**[†]: 12 months, parts and labor

Compliance: ASTM* E145 Type IIA, ASTM D-2436, and UL 746B performance/uniformity standards

Notes: Requires hardwired installation by a qualified technician; Ordering Alerts: Not available in Europe

Warranty[†]: 1 year (parts and labor)

Certifications: all models are UL listed

PRODUCT NOT AVAILABLE IN EUROPE

*Values stated apply to the unloaded oven in conjunction with wire mesh trays (measurement according to DIN 12880, Part 2), air flap closed.

Cat. No.	Model	Capacity	Interior D x W x H	Exterior D x W x H	Electrical	Temperature Uniformity	Temperature Range	Max. Output Power
6050	605	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	120V 50/60Hz, 2500w/20.8A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6051	605	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	208/230V 50/60Hz, 2500w/10.9A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6052	605P	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	120V 50/60Hz, 2500w/20.8A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6053	605P	39.6L (1.4 cu. ft.)	33 × 36 × 33cm (13 × 14 × 13in.)	61 × 97.8 × 63.5cm (24 × 38.5 × 25in.)	205/230V 50/60Hz, 2500w/10.9A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	8538 BTU/hr.
6054	625	113.3L (4.0 cu. ft.)	48.3 × 48.3 × 48.3cm (19 × 19 × 19in.)	71.1 × 114.3 × 73.7cm (28 × 45 × 29in.)	208/230V 50/60Hz 3700w 16.1A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	12,636 BTU/hr.
6055	625S	113.3L (4.0 cu. ft.)	48.3 × 48.3 × 48.3cm (19 × 19 × 19in.)	71.1 × 114.3 × 73.7cm (28 × 45 × 29in.)	208/230V 50/60Hz 3700w 16.1A	±0.5° at 100°C; ±1.0° at 200°C; ±2.5° at 300°C	Ambient +15° to 325°C	12,636 BTU/hr.
6056	645	269L (9.5cuft))	48.3x91.4x61cm (19x36x24in.)	78.7x165.1x91.4cm (31x65x36in.)	208/230V 50/60Hz 3700w/16.1A	±0.5° at 100°C; ±1.0° at 200°C; ±2.1° at 300°C	Ambient +15° to 325 °C	16,393 BTU/hr.

NOTE: Note maximum air exchange rates per hour: Model 605/605P: 128; Model 625/625S: 195; Model 645: 155

Accessories — Additional Shelving

Cat. No.	For Use with	Max. No. of Shelves
3166188	Precision High-Performance Ovens Models 605/605P	7
3166179	Precision High-Performance Ovens Models 625/625S	11
3166180	Precision High-Performance Oven Model 645	12

Thermo Scientific Precision Compact Heating and Drying Ovens

Compact heating and drying ovens conserve valuable benchtop space and feature mechanical or gravity convection models, ideal for drying and baking applications



Unit shown mechanical convection unit
PR305225M with LED display.

- Double-wall interior with 2.5cm (1in.) silica-based insulation and powder-coated cold-rolled steel exterior
- Pilot light visually indicates oven operation status

Gravity-Convection Models

- Gentle drying with low turbulence: air is moved vertically through chamber to heat samples
- Preset high-temperature safety bimetallic thermostat (no display) ensures over-temperature protection

Mechanical-Convection Models

- Uniform heating, precise temperature control and fast drying
- Hydraulic thermostat
- LED display
- Stainless-steel chamber

Applications: Drying and baking

Ordering Information: Additional shelves are sold separately
Includes: One fixed and two adjustable shelves.

Warranty*: 1 year (parts and labor)

Certifications: UL/cUL listed

PRODUCT NOT AVAILABLE IN EUROPE

Cat. No.	Capacity	Interior D x W x H	Exterior L x W x H*	Temp. Range	Chamber Material	Shipping Weight	Electrical
Gravity Convection							
PR305225G	48.1L (1.7 cu. ft.)	41 × 41 × 29cm (11.5 × 16 × 16.2in.)	34 × 47 × 57cm (13.5 × 18.5 × 22.5in.)	Ambient +5° to 210°C	Aluminum	26kg (57 lb.)	120V 60Hz, 800w
PR305220G	48.1L (1.7 cu. ft.)	41 × 41 × 29cm (11.5 × 16 × 16.2in.)	34 × 47 × 57cm (13.5 × 18.5 × 22.5in.)	Ambient +5° to 210°C	Aluminum	26kg (57 lb.)	240V 50/60Hz, 800w
Mechanical Convection							
PR305225M	48.1L (1.7 cu. ft.)	29 × 41 × 41cm (11.5 × 16 × 16in.)	40 × 47 × 64cm (15.6 × 18.4 × 25in.)	Ambient +5° to 210°C	Stainless steel	36kg (80 lb.)	120V 60Hz, 1200w
PR305220M	48.1L (1.7 cu. ft.)	29 × 41 × 41cm (11.5 × 16 × 16in.)	40 × 47 × 64cm (15.6 × 18.4 × 25in.)	Ambient +5° to 210°C	Stainless steel	36kg (80 lb.)	240V 50/60Hz, 1200w

*Length does not include handle (2in.)

Thermo Scientific Shelves for Precision Compact Ovens

Cat. No.	Capacity	Type
3511-8Q	48.1L (1.7 cu. ft.)	Gravity Convection
3515M-8Q	48.1L (1.7 cu. ft.)	Mechanical Convection

Thermo Scientific Vacuum Ovens

Maximum flexibility, with a maximum temperature of 220°C (428°F), two control configurations and display options



Model 3608-5 (with LED)

- Radiant warm-wall heating system optimizes uniformity and conserves chamber space for drying, curing, vacuum embedding and plating applications
- 3in. (7.6cm) glass wool insulation prevents heat loss
- Silicone door gasket and positive latch door maintain seal at all vacuum levels
- Polycarbonate safety shield protects door glass
- Hydraulic thermostat temperature control $\pm 1.5^{\circ}\text{C}$ with a uniformity of $\pm 5^{\circ}\text{C}$ at 100°C , 25in.Hg
- Built-in over-temperature protection
- Vacuum level is displayed on gauges from 0 to 30in.Hg
- Vacuum and air lines are corrosion-resistant stainless-steel tubing for optimum chamber cleanliness and long-term performance
- With two removable stacking aluminum shelves
- Easy-to-clean Type 304 stainless-steel interior chamber
- Powder-coated heavy-gauge steel exterior for durability
- Temperature Range: Ambient $+10^{\circ}$ to 220°C

3606 Models

- Top-mounted independent evacuation and venting vacuum fittings

3608 and 3618 Models

- Front-mounted three-way valve for evacuation, venting and purging of inert gases (e.g., Nitrogen or Argon) with vacuum fittings on the front of the unit

Required Accessories: Vacuum fittings require 0.25in. (0.6cm) I.D. tubing
Warranty: 1 year (parts and labor)
Certifications: CSA, CE as listed

Cat. No.	Capacity	Display	Interior D x W x H	Exterior L x W x H	Temp. Resolution	Temp. Uniformity	Shipping Weight	Electrical
3606	12.5L (0.44 cu. ft.)	Bimetallic thermometer with 5°C increments	30 x 20 x 20cm (12 x 8 x 8in.)	41 x 43 x 44cm (16 x 17 x 17in.)	$\pm 1.5^{\circ}\text{C}$	$\pm 2.2^{\circ}\text{C}$ at 100°C 25in.Hg	50kg (110 lb.)	120V 50/60Hz, 600w, 5A
3606-1CE	12.5L (0.44 cu. ft.)	Bimetallic thermometer with 5°C increments	30 x 20 x 20cm (12 x 8 x 8in.)	41 x 43 x 44cm (16 x 17 x 17in.)	$\pm 1.5^{\circ}\text{C}$	$\pm 2.2^{\circ}\text{C}$ at 100°C 25in.Hg	50kg (110 lb.)	240V 50/60Hz 600w 2.5A
3608	19.8L (0.7 cu. ft.)	Bimetallic thermometer with 5°C increments	30 x 25 x 25cm (12 x 10 x 10in.)	40 x 50 x 41cm (16x 19.8 x 16.25in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 6.0^{\circ}\text{C}$ at 150°C 25in.Hg	59kg (130 lb.)	120V 50/60Hz, 600w, 5A
3608-1CE*	19.8L (0.7 cu. ft.)	Bimetallic thermometer with 5°C increments	30 x 25 x 25cm (12 x 10 x 10in.)	40 x 50 x 41cm (16x 19.8 x 16.25in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 6.0^{\circ}\text{C}$ at 150°C , 25in.Hg	59kg (130 lb.)	240V 50/60Hz 600w 2.5A
3608-5	19.8L (0.7 cu. ft.)	LED with 1°C increments	30 x 25 x 25cm (12 x 10 x 10in.)	40 x 50 x 41cm (16x 19.8 x 16.25in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 6.0^{\circ}\text{C}$ at 150°C , 25in.Hg	59kg (130 lb.)	120V 50/60Hz, 600w, 5A
3608-6CE*	19.8L (0.7 cu. ft.)	LED with 1°C increments	30 x 25 x 25cm (12 x 10 x 10in.)	40 x 50 x 41cm (16x 19.8 x 16.25in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 6.0^{\circ}\text{C}$ at 150°C , 25in.Hg	59kg (130 lb.)	240V 50/60Hz 600w 2.5A
3618	65.1L (2.3 cu. ft.)	Bimetallic thermometer with 5°C increments	51 x 36 x 36cm (20 x 14 x 14in.)	64 x 64 x 56cm (25 x 25 x 22in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 5.0^{\circ}\text{C}$ at 100°C 25in.Hg	134kg (295 lb.)	120V 50/60Hz, 1600w, 13.3A
3618-1CE*	65.1L (2.3 cu. ft.)	Bimetallic thermometer with 5°C increments	51 x 36 x 36cm (20 x 14 x 14in.)	64 x 64 x 56cm (25 x 25 x 22in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 5.0^{\circ}\text{C}$ at 100°C 25in.Hg	134kg (295 lb.)	240V 50/60Hz 1600w 6.7A
3618-5	65.1L (2.3 cu. ft.)	LED with 1°C increments	51 x 36 x 36cm (20 x 14 x 14in.)	64 x 64 x 56cm (25 x 25 x 22in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 5.0^{\circ}\text{C}$ at 100°C 25in.Hg	134kg (295 lb.)	120V 50/60Hz, 1600w, 13.3A
3618-6CE*	65.1L (2.3 cu. ft.)	LED with 1°C increments	51 x 36 x 36cm (20 x 14 x 14in.)	64 x 64 x 56cm (25 x 25 x 22in.)	$\pm 1.0^{\circ}\text{C}$	$\pm 5.0^{\circ}\text{C}$ at 100°C 25in.Hg	134kg (295 lb.)	240V 50/60Hz 1600w 6.7A

* Model is CE certified

Thermo Scientific Lindberg/Blue M Vacuum Ovens

Digital electronic control, built-in over-temperature protection, and a fully flexible vacuum/purge/release system for a range of applications including drying, curing, outgassing, aging, process control and other applications requiring elevated temperature in reduced atmospheres or vacuum/purge with nonflammable and inert atmospheres



Single-Setpoint Digital Microprocessor Control

- Maximum temperature: 260°C (500°F) with nominal uniformity of $\pm 3.5\%$ of setpoint
- Simultaneous LED display of setpoint and actual temperature with push-button view
- Keypad data entry and pull-out control module for easy service
- Independent over-temperature safety system factory set with reset push-button

Vacuum System

- 1 in. (2.54 cm) manifold, chamber rear, exterior, connects to pump or in-house vacuum source
- With inert gas injection valve, fresh air inlet, vacuum exhaust port, controllable vacuum release vent port
- 1000 microns (1 torr) capacity
- Vacuum gauge, vacuum, gas and inlet valves located on front

Construction

- Corrosion-resistant stainless-steel cabinet chamber
- Rear-mounted vacuum manifold connects to pump (not included) or in-house vacuum source
- Low-watt heating element extends oven life
- Heavy-gauge steel, dual-wall construction with fiberglass insulation for minimum heat loss in walls and door
- High-temperature silicone gasket is specially molded for a positive seal
- Magnetic latch for positive door seal (4.5 cu. ft. capacity models include mechanical latches)
- Viewing windows: 0.5 in. (1.3 cm) thick in two smaller capacity models or 0.75 in. (1.9 cm) thick in 4.5 cu. ft. model; permit observation of work in progress without loss of heat
- Stainless-steel exterior models come with double door — a solid outer door over inner window door

Includes: Power cord and aluminum shelves (number of shelves based on model; see ordering table)

Warranty*: 1 year (parts and labor)

Certifications: UL listed (VO914A, VO914SA, VO1218A, VO1218SA only)

Alert: Ovens are not suitable for use with hazardous vapor. For use with nonflammable, noncorrosive inert gases only

PRODUCT NOT AVAILABLE IN EUROPE

Cat. No.	Capacity	Interior D x W x H	Exterior L x W x H	Temp. Resolution/ Uniformity	Temp. Range	No. of Shelves	Finish	Electrical	Shipping Weight
V0914A-1	18.6L (0.65 cu. ft.)	36 × 23 × 23cm (14 × 9 × 9in.)	58 × 46 × 66cm (23 × 18 × 26in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	3	Painted Steel	120V 50/60Hz 750w	68kg (150 lb.)
V0914C-1	18.6L (0.65 cu. ft.)	36 × 23 × 23cm (14 × 9 × 9in.)	58 × 46 × 66cm (23 × 18 × 26in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	3	Painted Steel	208/240V 50/60Hz 750w	68kg (150 lb.)
V0914SA-1	18.6L (0.65 cu. ft.)	36 × 23 × 23cm (14 × 9 × 9in.)	58 × 46 × 66cm (23 × 18 × 26in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	3	Stainless Steel	120V 50/60Hz 750w	68kg (150 lb.)
V01218A-1	42.5L (1.5 cu. ft.)	46 × 31 × 31cm (18 × 12 × 12in.)	66 × 53 × 74cm (26 × 21 × 29in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	3	Painted Steel	120V 50/60Hz, 1250w	113kg (250 lb.)
V01218C-1	42.5L (1.5 cu. ft.)	46 × 31 × 31cm (18 × 12 × 12in.)	66 × 53 × 74cm (26 × 21 × 29in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	3	Painted Steel	208/240V 50/60Hz 1250w	113kg (250 lb.)
V01218SA-1	42.5L (1.5 cu. ft.)	46 × 31 × 31cm (18 × 12 × 12in.)	66 × 53 × 74cm (26 × 21 × 29in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	3	Stainless Steel	120V 50/60Hz, 1250w	113kg (250 lb.)
V01824A-1	127.4L (4.5 cu. ft.)	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	2	Painted Steel	120V 50/60Hz 1500w	147kg (325 lb.)
V01824C-1	127.4L (4.5 cu. ft.)	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	2	Painted Steel	208/240V 50/60Hz 1500w	147kg (325 lb.)
V01824SA-1	127.4L (4.5 cu. ft.)	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	2	Stainless Steel	120V 50/60Hz, 1500w	147kg (325 lb.)
V01824HPC-1	127.4L (4.5 cu. ft.)	61 × 46 × 46cm (24 × 18 × 18in.)	81 × 69 × 89cm (32 × 27 × 35in.)	±1°C/ ±3.5°C	6° above ambient to 260°C	1	Painted Steel	208/240V 50/60Hz 3000w	147kg (325 lb.)

Thermo Scientific Accessories for Lindberg/Blue M Vacuum Ovens

Catalog No	Description	For use with
6718	White Floor Stand	All Lindberg/Blue M vacuum ovens
6723	Stainless-steel Floor Stand	All Lindberg/Blue M vacuum ovens
118961	Connection Kit – includes NW fittings, centering rings, connectors, vacuum clamps and hose to connect vacuum pump to oven.	All Lindberg/Blue M vacuum ovens
305994H01	Silicone replacement gasket (red)	V0914 Series
305992H01	Silicone replacement gasket (red)	V01218 Series
305993H01	Silicone replacement gasket (red)	V01824 Series
118974	Buna-N silicone-free gasket, for temperatures up to 150°C only	V0914 Series
118977	Buna-N silicone-free gasket, for temperatures up to 150°C only	V01218 Series
34637H01	Buna-N silicone-free gasket, for temperatures up to 150°C only	V01824 Series

Thermo Scientific Vacutherm Vacuum Ovens

Excellent heat transfer and fast heating up minimize operation time



- Ideal for drying of heat-sensitive materials, residue-free drying of intricately designed parts, elimination of oxidation associated with heat treatment and targeted recover of degassed products
- Front window with double-paned safety glass provides unique implosion protection
- Modular system allows application-specific configurations through a wide range of equipment options
- Ovens can dry up to six times faster than conventional units
- Temperature and pressure documentation is available to meet ISO 9000 and GLP/GMP requirements
- User-friendly Kelvitron™ microprocessor (jacket-heated ovens) or Digicon multi-channel controller (shelf-heated ovens)
- Analog pressure display; attainable ultimate vacuum: 0.1 mbar
- Over-temperature sensor protects oven and product – protection class I / IP20
- Stainless steel vacuum fittings, tubing and ball valve
- Interior chamber made of high-grade 1.4404 (316L) stainless steel, electropolished for smooth surface
- Inert gas connection with precision valve and overpressure safety valve precisely releases non-flammable, non-toxic gasses
- Standard DN25 access port in rear wall (20 mm)
- Jacket-heated models operate up to 200°C
- Shelf-heated versions operate up to 300 or 400°C for optimum heat transfer
- For applications with flammable solvents, ask your sales representative for our BL version with additional safety features (230V versions only)

Ordering Alerts: Not available in some countries
Certifications: CE (230V, 50 / 60Hz models) and cCSAus (120V and 208V, 60Hz models)
Warranty: 2 years (parts and labor)

Cat. No.	Model	Type	Capacity	Internal Dimensions W x H x D	External Dimensions ¹ W x H x D	Rated Temp. ^{2,3}	Spatial temp. deviation ^{2,4}	Heat Output (at max. temperature)	Electrical ⁵	Weight
51014550	VT 6025	Jacket-Heating no inert gas connection	25L (0.88 cu.ft.)	300 x 275 x 307 mm (11.8 x 10.8 x 12.1 in.)	480 x 600 x 450 mm (18.9 x 23.6 x 17.7 in.)	200°C	±4 (@200°C)	340 Wh/h	230V 50/60Hz, 1.3kW	58kg (128 lb.)
51014551	VT 6025	Jacket-Heating no inert gas connection	25L (0.88 cu.ft.)	300 x 275 x 307 mm (11.8 x 10.8 x 12.1 in.)	480 x 600 x 450 mm (18.9 x 23.6 x 17.7 in.)	200°C	±4 (@200°C)	340 Wh/h	120V 60Hz, 1.3kW	58kg (128 lb.)
51014552	VT 6025	Jacket-Heating	25L (0.88 cu.ft.)	300 x 275 x 307 mm (11.8 x 10.8 x 12.1 in.)	480 x 600 x 450 mm (18.9 x 23.6 x 17.7 in.)	200°C	±4 (@200°C)	340 Wh/h	230V 50/60Hz, 1.3kW	58kg (128 lb.)
51014553	VT 6025	Jacket-Heating ⁶	25L (0.88 cu.ft.)	300 x 275 x 307 mm (11.8 x 10.8 x 12.1 in.)	480 x 600 x 450 mm (18.9 x 23.6 x 17.7 in.)	200°C	±4 (@200°C)	340 Wh/h	230V 50/60Hz, 1.3kW	58kg (128 lb.)
51014554	VT 6025	Jacket-Heating with Digicon S ⁷	25L (0.88 cu.ft.)	300 x 275 x 307 mm (11.8 x 10.8 x 12.1 in.)	480 x 600 x 450 mm (18.9 x 23.6 x 17.7 in.)	200°C	±4 (@200°C)	340 Wh/h	230V 50/60Hz, 1.3kW	58kg (128 lb.)
51014539	VT 6060 M	Jacket-Heating	53L (1.87 cu.ft.)	415 x 345 x 371 mm (16.3 x 13.6 x 14.6 in.)	744 x 576 x 570 mm (29.3 x 22.7 x 22.4 in.)	200°C	±4 (@200°C)	540Wh/h	230V 50/60Hz, 1.7kW	82kg (181 lb.)
51014540	VT 6060 M	Jacket-Heating	53L (1.87 cu.ft.)	415 x 345 x 371 mm (16.3 x 13.6 x 14.6 in.)	744 x 576 x 570 mm (29.3 x 22.7 x 22.4 in.)	200°C	±4 (@200°C)	550Wh/h	120V 60Hz, 1.4kW	82kg (181 lb.)
51014542	VT 6060 P	Shelf-Heating ⁸	53L (1.87 cu.ft.)	415 x 345 x 371 mm (16.3 x 13.6 x 14.6 in.)	744 x 576 x 570 mm (29.3 x 22.7 x 22.4 in.)	300/400°C	±3 (@200°C) ±7 (@300°C) ±9 (@400°C)	450 Wh/h	230V 50/60Hz, 1.6kW	90kg (198 lb.)
51023263	VT 6060 P	Shelf-Heating ⁸	53L (1.87 cu.ft.)	415 x 345 x 371 mm (16.3 x 13.6 x 14.6 in.)	744 x 576 x 570 mm (29.3 x 22.7 x 22.4 in.)	300/400°C	±3 (@200°C) ±7 (@300°C) ±9 (@400°C)	450 Wh/h	120V 60Hz, 1.4kW	90kg (198 lb.)
51014541	VT 6130 M	Jacket-Heating	128L (4.52 cu.ft.)	495 x 489 x 529 mm (19.5 x 19.3 x 20.8 in.)	895 x 720 x 750 mm (35.2 x 28.3 x 29.5 in.)	200°C	±7 (@200°C)	870 Wh/h	230V 50/60Hz, 2.2kW	153kg (337 lb.)
51023262	VT 6130 M	Jacket-Heating	128L (4.52 cu.ft.)	495 x 489 x 529 mm (19.5 x 19.3 x 20.8 in.)	895 x 720 x 750 mm (35.2 x 28.3 x 29.5 in.)	200°C	±7 (@200°C)	870 Wh/h	208V 60Hz, 1.8kW	150kg (331 lb.)
51014543	VT 6130 P	Shelf-Heating ⁸	128L (4.52 cu.ft.)	495 x 489 x 529 mm (19.5 x 19.3 x 20.8 in.)	895 x 720 x 750 mm (35.2 x 28.3 x 29.5 in.)	300/400°C	±4 (@200°C) ±7 (@300°C) ±9 (@400°C)	880 Wh/h	230V 50/60Hz, 3.0kW	164kg (362 lb.)
51023264	VT 6130 P	Shelf-Heating ⁸	128L (4.52 cu.ft.)	495 x 489 x 529 mm (19.5 x 19.3 x 20.8 in.)	895 x 720 x 750 mm (35.2 x 28.3 x 29.5 in.)	300/400°C	±4 (@200°C) ±7 (@300°C) ±9 (@400°C)	880 Wh/h	208V 60Hz, 2.5kW	164kg (362 lb.)

¹ Depth without handle and wall distance. Dimensions: handle 70 mm, wall distance 80 mm

² The values stated apply to the empty oven and vacuum operation in acc. with DIN 12880, part 2

³ Control range M: electronic controller from TA + 15°C; control range P: electronic controller from TA + 10°C; TA = Ambient temperature

⁴ Measured on the shelves

⁵ Other voltages on request

⁶ With digital pressure display and recorder output

⁷ Digicon S: Analog temperature controller

⁸ Comes standard with Digicon multi-channel controller and rated temperature of 300°C; for 400°C: order option in addition, see next page

Accessories & Options

Accessories	
Cat. No.	Description
50028403	Additional shelf for VT6025 (incl. Shelf supports)
50043975	Additional shelf for VT6060 M (incl. Shelf supports)
50043976	Additional shelf for VT6130 M (incl. Shelf supports)
50048621	Stainless steel tray for VT6060
50048619	Stainless steel tray for VT6130
50048620	Aluminum tray for VT6060 M/P
50048618	Aluminum tray for VT6130 M/P
50048660	Stainless steel vacuum connection kit for tubing, 10mm diameter (all models)
50029890	Support frame, 780 mm height, for VT6060 M/P
50029597	Support frame, 780 mm height, for VT6130 M/P

		Diaphragm pumps			Rotary vane pumps
Vacuum Pumps**		MD 12H	HMD 4C	HMZ 2C	RE 9H
Cat. No.		50040078	50028362	50028364	50028361
Rated pumping capacity (Pneurop)	m³/h	9.6	3.0	1.7	8.6
Total final pressure without gas ballast	mbar	2	2	10	0.1
Total final pressure with gas ballast	mbar	<10	<10	<20	6 x 10 ⁻¹
Water vapor compatibility	mbar	—	—	—	40
Capacity of trap	ml	725	500	500	500
Weight	kg	24	18	14	21.6
Dimensions with trap (w/h/d)	mm	240 x 300 x 610	241 x 500 x 338	241 x 326 x 336	260 x 232 x 460
Vacucenter® with pump model		MD 12H	HMD 4C		RE 9H
Cat. No.*		50044332	50044333	—	50044334
Voltage	V3N~, 50/60 Hz	400	400	—	400
Max. rated power	kW	3.37	3.20	—	3.37
External dimensions (w/h/d)	mm	895/650/900	895/650/900	—	895/650/900
Total weight	kg	88	80	—	86
Protection class		I	I	—	I
Protection type		IP 20	IP 20	—	IP 20

*In combination with VT 6060 or VT 6130

**Pumps not available in North America

Factory installed options	
Cat. No.	Options for Vacutherm 6060 and 6130 M/P
51900284	RS 232 computer interface for Kelvitron controller
51900069*	Digital pressure display
51900193*	Pressure controller with solenoid valve
51900071	VITON door gasket for VT 6060 M
51900072	VITON door gasket for VT 6130 M
51900205	Daily program timer, mechanical
51900073*	24 hour timer (20 h at 60 Hz)
51900008	Weekly program timer, mechanical
51900161	Weekly program timer, digital
51900074	Digital sample temperature display with flexible Pt 100 temperature sensor and socket for external data recorder
51900209	Thermicon® P temperature program controller (for M-models only)
51900297	Eurotherm 2404/P4 temperature controller with RS 232 interface (for M-models only)
51900298	Eurotherm 2404/P4 temperature controller with RS 422/485 interface (for M-models only)
51900081*	Central monitoring connection
51900194*	Digicon S temperature controller with analog interface 0-20 mA/0-10V (for M-models only)
Cat. No.	Extended rated temperature, Digicon® S temperature controller with analog interface 0–20 mA/0–10 V
51900195	(300 °C): VT 6060 P and VT 6130 P
51900196	(400 °C): VT 6060 P, door without inspection window
51900197	(400 °C): VT 6130 P, door without inspection window
Cat. No.	Extended rated temperature, Digicon® S temperature controller without data interface
51900079*	400 °C: for VT 6060 P, door without inspection window
51900080*	400 °C: for VT 6130 P, door without inspection window
Cat. No.	Vacuum chamber with rounded corners at the rear
51900075	for VT 6060 M
51900077	for VT 6060 P
51900076	for VT 6130 M
51900078	for VT 6130 P
Cat. No.	Options for Vacutherm 6025
51900326	Precision control valve for standard model (only for order nos. 51014550 and 51014551)
51900284	RS232 computer interface

* Option not available for North American voltages (120V-60Hz, 208V-60Hz)

Thermo Scientific Hi-Temp Vacuum Ovens

Over-temperature protection for peace of mind at temperatures up to 280°C



- Ideally suited for general drying, conditioning, curing, desiccating, and annealing – as well as moisture tests
- Radiant warm wall heaters mounted on the outside conserve chamber working space and eliminate hazards of open wire heaters
- Compression fittings on the sidewall accept 0.6cm (0.25in.) O.D. hard tubing for pump and air connections
- Durable exterior is powder-coated heavy-gauge steel
- Glass window in the door allows sample viewing
- Two adjustable chrome-plated shelves improve heat conduction to samples; remove easily for cleaning
- Stainless-steel interior chamber resists corrosion
- Vacuum and air lines of corrosion-resistant stainless-steel tubing optimize chamber cleanliness and long-term performance
- Vacuum range: 10 to 30" hg

Models 3625A and 3625A-1

- Dual-electronic control system
- For operational convenience, all controls and indicators are located on the front panel: powerswitch and three indicators, purge gas and vacuum control valves, a 0-to-30-inch vacuum gauge and a temperature control

Models 3628A and 3628A-1

- Seven-day programmable timer that cycles oven on or off up to eight times per day with automatic temperature/vacuum control in real time steps
- Runs on a single setpoint controller
- Dual displays provide constant day/time and temperature/pressure updates every 5 seconds
- Purge and Vacuum valves conveniently located under the control panel
- Accepts up to eight shelves

Warranty*: 1 year (parts and labor)

PRODUCT NOT AVAILABLE IN EUROPE

Cat. No.	Capacity	Interior D x W x H	Exterior L x W x H	Temp. Range	Temp. Uniformity	Shipping Weight	Electrical
3625A	18.4L (0.65 cu. ft.)	29 × 25.4 × 25.4cm (11.5 × 10 × 10in.)	44 × 46 × 58cm (17.5 × 18 × 23in.)	Ambient +10° to 280°C	±1.0°C at 100°C 25ft.Hg	48kg (90 lb.)	120V 50/60Hz, 1000w, 8.5A
3625A-1	18.4L (0.65 cu. ft.)	29 × 25.4 × 25.4cm (11.5 × 10 × 10in.)	44 × 46 × 58cm (17.5 × 18 × 23in.)	Ambient +10° to 280°C	±1.0°C at 100°C, 25ft.Hg	48kg (90 lb.)	240V 50/60Hz, 1000w, 4.2A
3628A	42.4L (1.5 cu. ft.)	46 × 30 × 30cm (18 × 12 × 12in.)	66 × 58 × 56cm (26 × 23 × 22in.)	50° to 280°C	±5°C at 100°C 25ft.Hg	92.9kg (205 lb.)	120V 50/60Hz, 1800w, 14.7A
3628A-1	42.4L (1.5 cu. ft.)	46 × 30 × 30cm (18 × 12 × 12in.)	66 × 58 × 56cm (26 × 23 × 22in.)	50° to 280°C	±5°C at 100°C 25ft.Hg	92.9kg (205 lb.)	240V 50/60Hz, 1800w, 7.4A

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