

Heratherm Advanced Protocol Ovens

As well as incorporating all the benefits of our General Protocol table top ovens, the Advanced Protocol range boasts additional features providing even more flexibility and accuracy

Maximum efficiency

- Timer extends the automation options available to the user
 - Automate the oven to turn on or off at pre-set times
 - Weekly function allows to set on / off times for each day of the week individually
 - Real time function allows to set timer based on actual time in hours and minutes
 - Timer is perfect to save energy by running the oven just at needed time

Ultimate performance

- Capable of operating at temperatures up to 330 °C
- Our highest level of temperature uniformity
- Exceptionally low energy consumption – 60 L models need just 170 W (gravity convection) and 275 W (mechanical convection) per hour to maintain 150 °C



100 L model shown

Specifications table/order numbers Advanced Protocol Ovens

Order numbers (coated exterior)	51028115	51028116	51028117
Model	OGH60	OGH100	OGH180
Convection technology	Gravity convection	Gravity convection	Gravity convection
Temperature range (°C)	50 °C ¹ - 330 °C	50 °C ¹ - 330 °C	50 °C ¹ - 330 °C
Spatial temperature deviation at 150 °C	± 2.5 °C	± 3.0 °C	± 2.5 °C
Temperature deviation over time at 150 °C	± 0.3 °C	± 0.3 °C	± 0.3 °C
Footprint (m ² / sqft)	0.3 / 3.2	0.36 / 3.9	0.47 / 5.1
Chamber volume (L / cuft)	61 / 2.15	99 / 3.6	168 / 6.05
Interior Dimensions (mm / in (W x H x D))	328 x 480 x 389 / 12.9 x 18.9 x 15.3	438 x 580 x 389 / 17.2 x 22.8 x 15.3	438 x 680 x 564 / 17.2 x 26.8 x 22.2
Exterior ² Dimensions (mm / in (W x H x D))	530 x 755 x 565 / 20.9 x 29.7 x 22.2	640 x 855 x 565 / 25.2 x 33.7 x 22.2	640 x 955 x 738 / 25.2 x 37.6 x 29.1
Number of shelves (standard / max)	2 / 13	2 / 16	2 / 19
Max. shelf load (kg / lb)	25 / 55	25 / 55	25 / 55
Rated voltage / frequency (V / Hz)	120 / 60	208-240 / 60	208-240 / 60
Rated power / max. current (W / A)	1730 / 14.4	3360 / 14	3360 / 14
Weight (kg / lb)	44 / 97	55 / 121	69 / 152
Energy consumption at 150°C (W)	170	210	290

¹ Temperatures as low as ambient +10 °C can be selected – requires open damper and no additional heat in unit. ² 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 all 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.documents.

Additional features



Operating temperatures as high as 330 °C



Dedicated access port (0.71 in diameter) allows the introduction of independent sensors



Fan adjustable in five speed settings for matching the airflow to your application

- Adjustable fan speed for application related airflow
 - High speed for fastest drying/heating, quick recovery as well as best temperature stability/uniformity
 - Reduced speed for applications that require minimal airflow, like drying of paper, food or pharmaceutical samples
 - Fan speed is adjustable in 5 settings; note: actual speed will vary by temperature, and fan cannot be switched off – to prevent overheating
- Programmable controller for temperature ramps and dwells
 - Store up to 10 programs with 10 discrete steps
 - Features electronically controlled fan speed and damper position
- Access port allows the introduction of sensors for independent data monitoring
- A simple calibration routine ensures temperature accuracy over time
- Boost function enables rapid heating up – no need to run the oven 24/7

Specifications table/order numbers Advanced Protocol Ovens

Order number	51028124	51028125	51028126
Model (coated exterior)	OMH60	OMH100	OMH180
Convection technology	Mechanical convection	Mechanical convection	Mechanical convection
Temperature range (°C)	50 °C ¹ - 330 °C	50 °C ¹ - 330 °C	50 °C ¹ - 330 °C
Spatial temperature deviation at 150 °C	± 1.5 °C	± 1.3 °C	± 1.5 °C
Temperature deviation over time at 150 °C	± 0.2 °C	± 0.2 °C	± 0.2 °C
Footprint (m ² / sqft)	0.3 / 3.2	0.91 / 9.8	0.47 / 5.1
Chamber volume (L / cuft)	62 / 2.2	97 / 3.5	170 / 6.1
Interior Dimensions (mm / in (W x H x D))	354 x 508 x 343 / 13.9 x 20 x 13.5	464 x 608 x 343 / 18.3 x 23.9 x 13.5	464 x 708 x 518 / 18.3 x 27.9 x 20.4
Exterior ² Dimensions (mm / in (W x H x D))	530 x 755 x 565 / 20.9 x 29.7 x 22.2	640 x 855 x 565 / 25.2 x 33.7 x 22.2	640 x 955 x 738 / 25.2 x 37.6 x 29.1
Number of shelves (standard / max)	2 / 13	2 / 16	2 / 19
Max. shelf load (kg / lb)	25 / 55	25 / 55	25 / 55
Rated voltage / frequency (V / Hz)	120 / 60	208-240 / 60	208-240 / 60
Rated power / max. current (W / A)	1440 / 12	3360 / 14	3360 / 14
Weight (kg / lb)	44 / 97	55 / 121	69 / 152
Energy consumption at 150° C (W)	275	389	448

¹ Temperatures as low as ambient +10 °C can be selected – requires open damper and no additional heat in unit. ² 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 all 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.