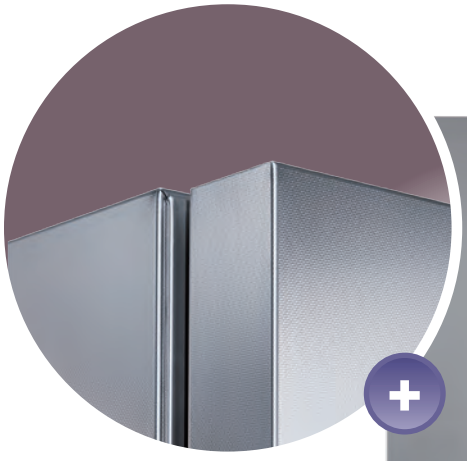
Thermo Scientific Heratherm
Large Capacity Advanced Protocol Ovens

The Heratherm Advanced Protocol ovens offer mechanical convection technology for faster drying and better temperature stability and uniformity. Greater flexibility, accuracy and dependability are provided through a wide range of additional features.

prime performance

- Operating at temperatures as high as 250 °C
- Improved level of temperature uniformity: +/-2.1 to 3.1 °K
- Mechanical convection technology ensures optimal temperature distribution, and fast heat-up and drying processes.
- 2-speed fan for application flexibility:
  > Slow speed for applications that require minimal airflow (e.g. drying of powders),
  > high speed for fastest drying and heating, and best temperature stability and uniformity



Advanced Protocol units available in stainless steel exterior

Fan adjustable in two speeds for matching the airflow to your application

Additional features

- Access port for introduction of external sensors for independent data monitoring, or other devices for specific test set-ups
- Simple calibration routine to ensure temperature compliance over time.

greater efficiency

- Programmable controller for pre-defined temperature ramps
  - > Up to 10 temperature steps can be defined per program
  - > Fan speed and damper position are controlled electronically, and can be changed for every program step individually for maximal 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
  - > Choose between a simple on/off timer, recurring weekly timer or set oven activity based on the 24 hour clock
- Inner chamber made from stainless steel (highly resistant quality AISI 304)

SPECIFICATIONS TABLE/ORDER NUMBERS LARGE CAPACITY ADVANCED PROTOCOL OVENS

Order number (coated exterior)		**51029329**	**51029343**
Model		OMH400	OMH750
Order number (stainless steel exterior)		**51029330**	**51029344**
Model		OMH400-SS	OMH750-SS
Convection technology		mechanical convection	mechanical convection
Temperature range	°C	+50 °C[1] - 250 °C	+50 °C[1] - 250 °C[2]
Spatial temperature deviation	at 150 °C	±2.1 °C	±3.1 °C
Temperature deviation over time	at 150 °C	±0.3 °C	±0.4 °C
Footprint	m^2 / sqft	0.56 / 6.0	0.91 / 9.8
Chamber volume	L / cuft	396 / 14	731 / 25.8
Dimensions	chamber mm / in (W x H x D)	544 x 1335 x 545 / 21.4 x 52.6 x 21.5	1004 x 1335 x 545 / 39.5 x 52.5 x 21.5
	exterior[3] mm / in (W x H x D)	778 x 1545 x 770 / 30.6 x 60.8 x 30.3	1261 x 1545 x 770 / 49.6 x 60.8 x 30.3
Number of shelves	supplied / max	2 / 39	2 / 39
Max. shelf load	kg / lb	40 / 88	40 / 88
Rated voltage / frequency	V / Hz	208-240 / 60	208-240 / 60
Rated power / max. current	W / A	3240 / 13.5	3480 / 14.5
Energy consumption at 150° C	W	660	1047
Weight	kg / lb	135 / 298	185 / 408

[1] Temperatures as low as ambient +15 °C can be selected – requires open damper and no additional heat in unit
[2] With low voltage (216V) and open damper max temperature is 235 °C
[3] Depth of handle / display not included in depth (2.6 in); casters not included in height (4.3 in) – required distance to rear wall: 4.7 in

NOTE: All figures in this table are typical values for series devices, based on factory following norm DIN12880 (measured with 240V, values will differ at 280V). Please contact sales rep for certification information for IQ/OQ documents.