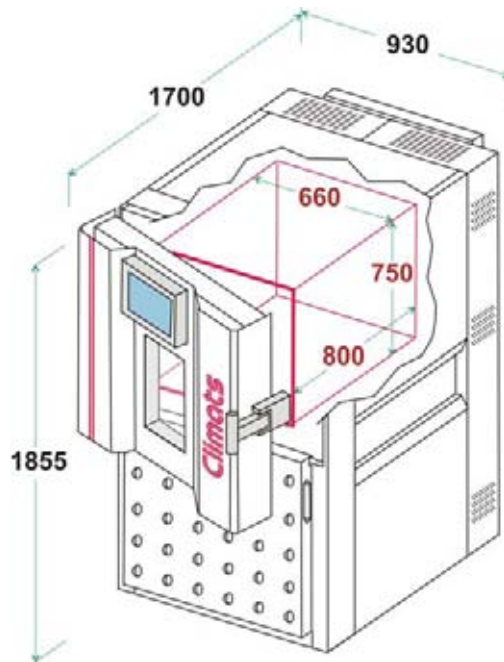


# Excal 400

Ideally proportioned  
396 litres

- Extreme temperature range : from **-85°C to +180°C** (+200°C as an option)
- Climatic test : **RH from 10% to 98%**  
(for temperatures from 10°C to +90°C)
- Absolute control of temperature variation rate from **1°C/min to 20°C/min**



- Simplified integration : 1,6m<sup>2</sup> required floor space

Machine Reference	Mini Working Temp. (°C) <sup>(1)</sup>	Rate Down (°C/h) <sup>(2)</sup>	Rate Up (°C/h) <sup>(2)</sup>	Condensing Type <sup>(3)</sup>	Weight (kg)	Max. Heat Compensation (kW) <sup>(4)</sup>
Excal 4011-T/H	-30	2,5	12	air/water	490	1,5
Excal 4013-T/H	-43	5	12	air/water	525	2,5
Excal 4021-T/H	-70	3	12	air/water	535	1,5
Excal 4023-T/H	-75	8	12	air/water	590	2,5
Environmental Stress Screening						
Excal 4014-T/H	-50	10	14	air/water	595	3,5
Excal 4015-T/H	-50	12	17	water	665	5
Excal 4024-T/H	-80	13	14	water	730	4,5
Excal 4025-T/H	-85	20	17	water	860	6,5

(1) Temperature rate and minimum temperature are given for water condensing units. Air condensing units performances can be slightly different, please refer to quotation or contact us.

(2) Maximum calorific for temperature setpoint at +25°C and water temperature at +18°C.

Measurement accuracy allows to reach very high regulation stability : from ±0,1°C to ±0,3°C. // Homogeneity in test space according to IEC EN 60068-3-5, is from ±0,5°C to ±1,8°C. // **Hygrometry produced with water bath regulated at dew point temperature** : No maintenance, reliability, stability and regulation stability between ±1% and ±3%. // Relative Humidity from 10% to 98% within temperature range from +10°C to +90°C. // Nominal tests conditions : empty chamber without options. Water condensing type, clean cooling water at +18°C with a flow and pressure rate (2,5 bars mini) matching the technical specifications of the chamber. // Main power supply of 400V triphase 50Hz. // The average temperature rate is given in K/min from +125°C to -25°C on the sensor located in the air flow. // Calibration values factory made : 7 setpoints in dry mode, 9 setpoints in humid mode. // Useful dimensions do not include the thickness of shelves rack (25 mm on each side).

The description and features in this document are given for information only, they are not contractual. // CLIMATS retains the right to carry out any modifications without notice.

