



HettCube INCUBATORS AND COOLED INCUBATORS

DURABLE. ERGONOMIC. HIGH QUALITY.



www.hettichlab.com

Hettich
INCUBATOR

THE HettCube RANGE



GET THE MOST OUT OF YOUR INCUBATORS.

ENVIRONMENTALLY FRIENDLY, ECONOMICAL AND WELL DESIGNED: THE NEW HettCube RANGE OF INCUBATORS WILL BENEFIT BOTH YOUR BALANCE SHEET AND THE ENVIRONMENT, AS WELL AS PROVIDING OPTIMUM GROWTH CONDITIONS FOR YOUR CULTURES.

Hettich laboratory equipment is now ubiquitous in laboratories devoted to research, quality assurance and routine diagnostics around the world. Our products – firmly established in the marketplace – are subject to continuous development and are adapted to suit the individual requirements of our customers. The development of the HettCube range is based on over 100 years of experience and expertise in laboratory technology. HettCube models not only meet our rigorous standards and yours, they also respect the needs of the environment. We guarantee you an optimised eco-balance, ease of use and superb quality.



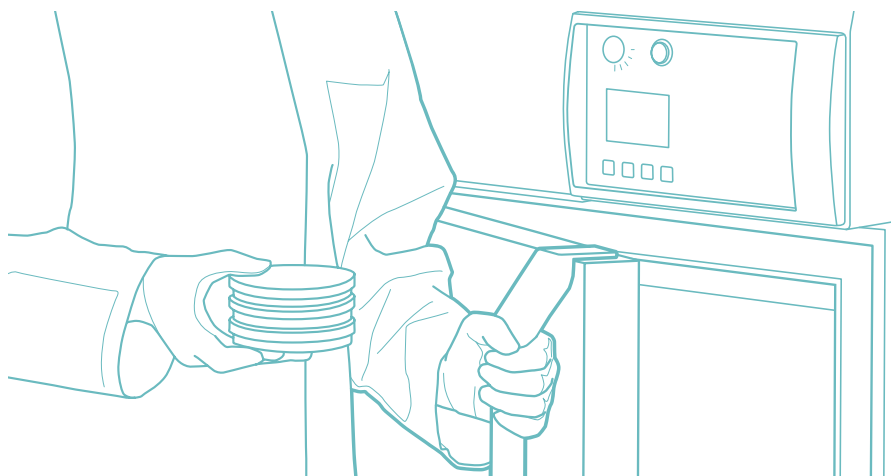
EXCELLENT ECO-BALANCE.

Lower power consumption, reduced operating costs, lower environmental impact. The HettCube models only heat and cool as necessary. At an operating temperature of 37 °C, the maximum energy consumption of a HettCube incubator is 0.05 kW/h. This saves energy and benefits your balance sheet, as well as protecting the environment.



EASY OPERATION.

The HettCube range is characterised by exceptional functionality and customised features, so that you can load and unload them without difficulty. The doors close automatically at an angle of less than 90°. Since the doors do not require space to the side to open, the incubators can be positioned in corners or directly next to other laboratory equipment. All of the internal components and fittings are made from stainless steel and can be readily removed. Perfect ergonomics for greater convenience and valuable time saving.



TESTED QUALITY.

The HettCube range is manufactured in Germany. We aim to deliver exemplary quality, so we only use parts and materials from selected suppliers and high-quality manufacturers. Quality management systems complying with ISO 9001, ISO 13485 and ISO 14001 standards are used in the development, production and marketing of HettCube models. The range conforms to the requirements of the IvD and therefore also to those of European Directive 98/79/EC. All temperature data were ascertained in accordance with DIN 12880:2007-5. You can rely on us 365 days of the year.



MORE BENEFITS FOR YOU



THE MOST IMPORTANT ADVANTAGES OF OUR THREE MODELS ARE PRESENTED BELOW. HETTICH INCUBATORS WILL CATER FOR ALL YOUR REQUIREMENTS. SEE FOR YOURSELF.



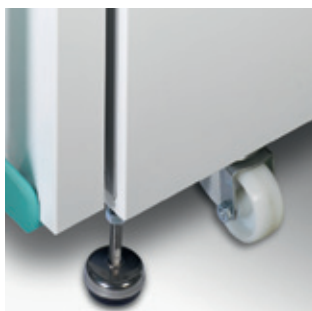
CREATE CONNECTIONS

One bushing on the rear panel is provided as standard.



SAVE SPACE

The door does not require space at the side to open. This means that the incubator can be positioned in a corner or close to other lab equipment. The door hinges can easily be moved from one side of the incubator to the other.



STAY MOBILE

The HettCube 400 and 600 models have castors for moving them to the desired position. Once in position they can be fixed with adjustable feet.



PROTECT THE ENVIRONMENT

HettCube incubators can also operate at a temperature 1 K above a stable ambient temperature. This allows a HettCube incubator to be used without cooling in situations in which incubators from other manufacturers must have cooling.

SAVE MONEY

At an operating temperature of 37 °C, the maximum energy consumption of a HettCube incubator is 0.05 kW/h.



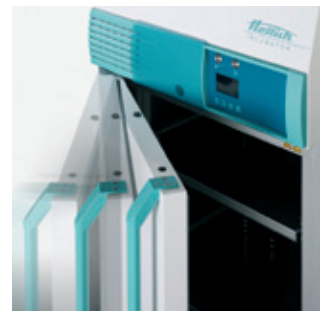
OPTIMUM SAFETY

The practical door-locking mechanism locks both the door and the control panel at the same time. This prevents inadvertent changes to parameters and harmful effects on cultures.



CLOSING BY ITSELF

A HettCube incubator will close automatically at an opening angle below 90°. A magnetic mechanism assists this automatic closing.



CLEAR VISIBILITY

Optional shelves and drawers run on telescopic rails and can be pulled out up to 70 %.



SAFE GRIP

Rounded grips on the standard shelves keep your gloves safe from ripping.



REMARKABLY QUIET

The fan is located outside the usable space. So HettCubes generate a remarkably low noise level of ≤ 45 dB(A).

EASY CLEANING

The internal lining, drawers and shelves are made of stainless steel and can be readily removed for thorough cleaning and autoclaving.



PERFECT CONDITIONS



TEMPERATURE CONTROL PRINCIPLE



FOOTPRINT



CONSTANT TEMPERATURE. HOMOGENEOUS TEMPERATURE DISTRIBUTION.

Our guardians of culture: the HettCube range combines the advantages of natural and forced convection. The fan is housed outside the usable space, so that there is a low air flow inside the incubator. The temperature is maintained by radiated heat, preventing the formation of hot spots. Cultures do not dry out and the conditions inside the incubator are the same at all points, helping to deliver reproducible results.

LOW FOOTPRINT. MAXIMUM USABLE SPACE.

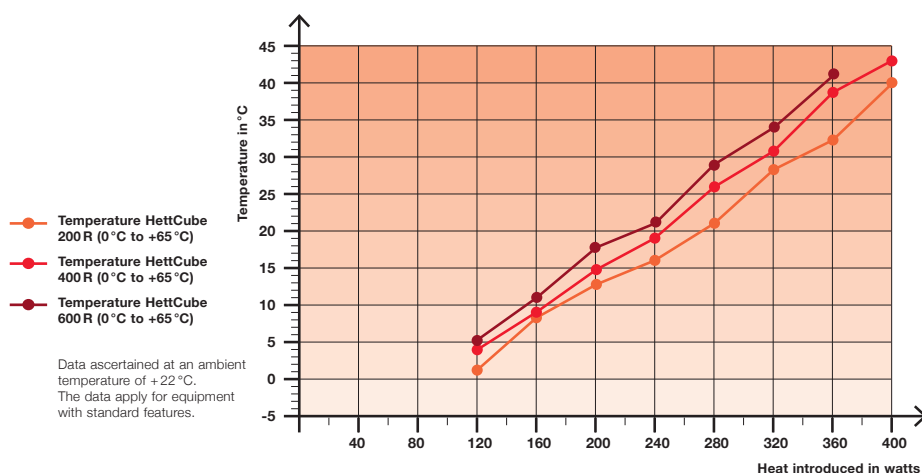
Space saving: HettCube models combine a very low footprint with a very high loading capacity. The HettCube models 600 and 600 R can hold up to 1,500 Petri dishes but have a footprint of just 0.6 m².

HEAT COMPENSATION

HettCube models react to changes in ambient conditions. Temperature fluctuations outside the incubator and energy introduced into the usable space by external equipment are compensated for immediately and actively.

Heat compensation of the HettCube 200 R/400 R/600 R

Lowest attainable temperature values upon introduction of equipment with different heat outputs.



TEMPLATE

The Excel-format programming template permits very simple operation of the incubator. Your documentation can be archived and retrieved at a later time.



STANDARD FEATURES AND OPTIONS



STANDARD FEATURES

All HettCube models have the following standard features:

- RS 485/422 interface
- Microprocessor controller with program functions:
Protection against temperatures above or below the set value
Temperatures can be set with an accuracy of 0.1 °C
- Potential-free alarm output
- Acoustic and visual alarms
- Temperature selection monitor class 3.1
- Bushing with 22 mm diameter on rear panel
- Control panel and door can be locked at the same time

OPTIONS

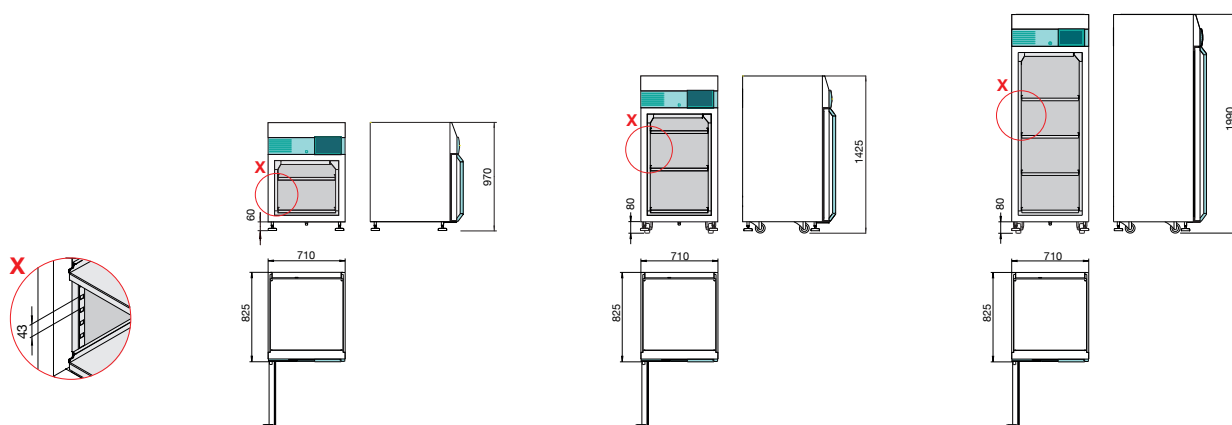
Customise your HettCube model to suit your individual requirements. The optional Hettich components satisfy the same high quality requirements as the incubators.

	Cat. No.
USB converter	60501
Ethernet converter	60502
Software for programming and recording data for a HettCube incubator for up to 60 days	EB0014
Independent, flexible PT 100 sensor (4-wire) with 4–20 mA analogue output on the rear panel, with external alarm monitoring for recording temperature in the event of a power failure (LIM compatible)	60503
Object temperature sensor PT 100 (4-wire) with 4-pole connection on the rear panel (LIM compatible)	60504
Object temperature display with flexible PT 100 sensor (4-wire), with data logging by Hettich software	60505
Internal Schuko IP44 socket, max. load 400 W, with earth leakage circuit breaker (10 mA)	60506
Internal Schuko IP44 socket, max. load 400 W, without earth leakage circuit breaker	60507
Bushing on the left side of the incubator, Ø 22 mm	60006
Bushing on the left side of the incubator, Ø 42 mm	60007
Bushing on the left side of the incubator, Ø 67 mm	60008
Stacking kit, for safe stacking of two HettCube 200 or 200 R models on top of each other	60009
Shelf of stainless steel with guide rails of stainless steel (standard shelf)	60001
Shelf of stainless steel with telescopic rails, pulls out up to 70 %, max. load 40 kg	60002
Drawer of stainless steel with telescopic rails, pulls out up to 70 %, max. load 40 kg, height 35 mm	60003
Drawer of stainless steel with telescopic rails, pulls out up to 70 %, max. load 40 kg, height 100 mm	60004
Drawer of stainless steel with telescopic rails, pulls out up to 70 %, max. load 40 kg, height 150 mm	60005
Rolling cabinet for a HettCube 200 or 200 R model	60010

Further options on request.



HIGH PERFORMANCE: THE TECHNICAL DATA



All dimensions in mm

MODEL	HettCube 200	200 R	HettCube 400	400 R	HettCube 600	600 R
Temperature range for incubators/ cooled incubators	1 K above ambient temperature up to + 65 °C / 0 °C to + 65 °C					
Exterior dimensions (incl. adjustable feet and bushing on rear panel) W x D x H in mm	710 x 825 x 970		710 x 825 x 1425		710 x 825 x 1990	
Interior dimensions W x D x H in mm	535 x 690 x 420		535 x 690 x 850		535 x 690 x 1415	
Internal volume in litres	150		310		520	
Footprint in m²	0.6		0.6		0.6	
Weight in kg	83	94	110	121	160	171
Number of shelves provided as standard	2		3		4	
Maximum number of shelves	4		9		16	
Temperature fluctuation at + 37 °C	± 0.1 K					
Temperature uniformity at + 37 °C	± 0.2 K					
Temperature uniformity at + 25 °C	± 0.1 K					
Recovery time after door has been opened for 30 s at + 37 °C	≤ 3 min		≤ 4.5 min		≤ 5.5 min	
Energy consumption at + 37 °C	0.030 kW/h		0.035 kW/h		0.050 kW/h	
Noise level	<42 dB(A)	<45 dB(A)	<42 dB(A)	<45 dB(A)	<42 dB(A)	<45 dB(A)
Power supply (other voltages upon request)	220 – 240 V 1 ~ / 50 – 60 Hz					
Cat. No.	62000	62005	64000	64005	66000	66005



All temperature values were ascertained at an ambient temperature of +22 °C in accordance with DIN 12880:2007-5.
The data apply for incubators with standard features.

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