

# HettCube INCUBATORS



SUSTAINABLE. ERGONOMIC. HIGH QUALITY.



Find out more by visiting:  
[www.hettweb.com/incubators](http://www.hettweb.com/incubators)

**Hettich**  
INCUBATOR

## HETTICH INCUBATORS

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# GET THE MOST OUT OF YOUR INCUBATORS.

### FEATURES:

- Eco-friendly with low power consumption & low global warming potential (GWP)
- Easily reverse the door opening
- One degree (+/- 1°) from ambient temp. (non-refrigerated)
- Secure-Grip™ Modular Shelving: shelves are adjustable, removable and can easily be swapped between models
- Run-Silent™ Operation (softer than normal conversation)
- Intelligent temperature control with cross directional airflow for maximum heat distribution (no interior fan)
- Self-Close 90°: Door will automatically close at any angle under 90°
- Two (2) Year Warranty
- FDA registered manufacturer



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[www.hettweb.com/hettcube](http://www.hettweb.com/hettcube)

# HettCube 200/ 200R, 400/ 400R, 600/ 600R



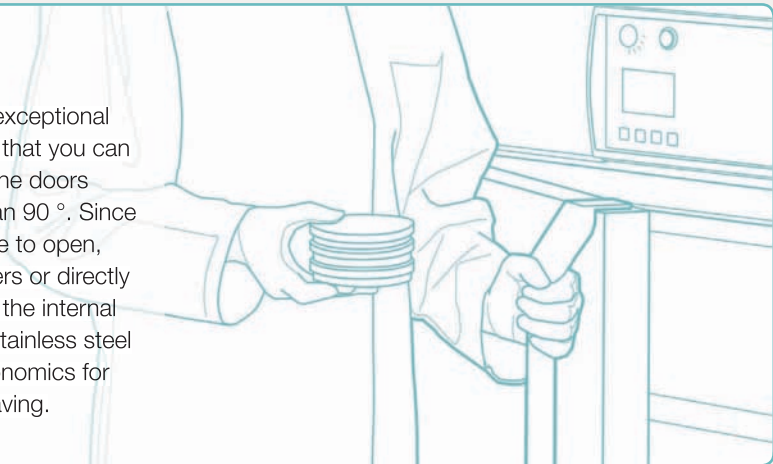
## EXCELLENT ECO-BALANCE.



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, they consume less than 0.05 kWh. This saves energy and benefits your balance sheet, as well as protecting the environment. In addition, the HettCube insulation is made of water-blown foam, which contains no fluorinated hydro-carbons. Its Global Warming Potential (GWP) is one-thousandth that of conventional insulating foams.

## EASY OPERATION.

The HettCube range is characterized by exceptional functionality and customized 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. All temperature data were ascertained in accordance with DIN 12880:2007-5. You can rely on us 365 days of the year.



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## THE HettCube ADVANTAGE

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# SUSTAINABLE. ECONOMIC. HIGH QUALITY. QUIET.



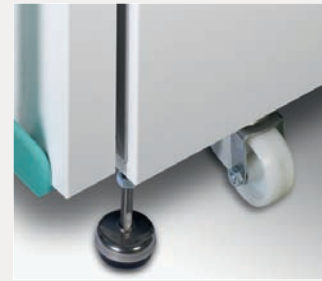
### EXTERNAL ACCESS PORT

One access port (standard) on the rear panel allows you to connect devices such as Shakers, Rockers, etc.



### 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. **Easily switch door hinges from one side of the incubator to the other.**



### STAY MOBILE

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



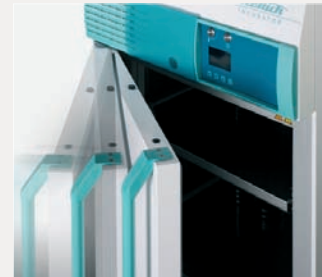
### PROTECT THE ENVIRONMENT

Operating at a temp. of 1K above ambient allows a HettCube to be used without cooling in situations whereas other manufacturers must have cooling.



### SAFETY-LOCK™

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.



### SELF-CLOSE 90°

A HettCube incubator's magnetic door will close automatically at an opening angle below 90°.



### UNIMPEDED ACCESS

No inner door allows for quick and easy access. Optional shelves and drawers run on Easy-Glide rails and can be extended up to 70%.



### SECURE-GRIP™

Rounded grips on the standard shelves keep your gloves safe from ripping and allow for a secure-grip when gliding.



### EASY TO CLEAN

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

### SAVE MONEY

At an operating temperature of 37 °C, a HettCube consumes less than 0.05 kWh.

### QUIET

Featuring Run-Silent Operation, the HettCube operates at  $\leq 44$  dB(A) - softer than normal conversation.

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# PERFECT CONDITIONS

## 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. This sophisticated air circulation system, along with the good insulation, makes an inner door unnecessary.



## SMALL FOOTPRINT. HIGH LOADING CAPACITY.

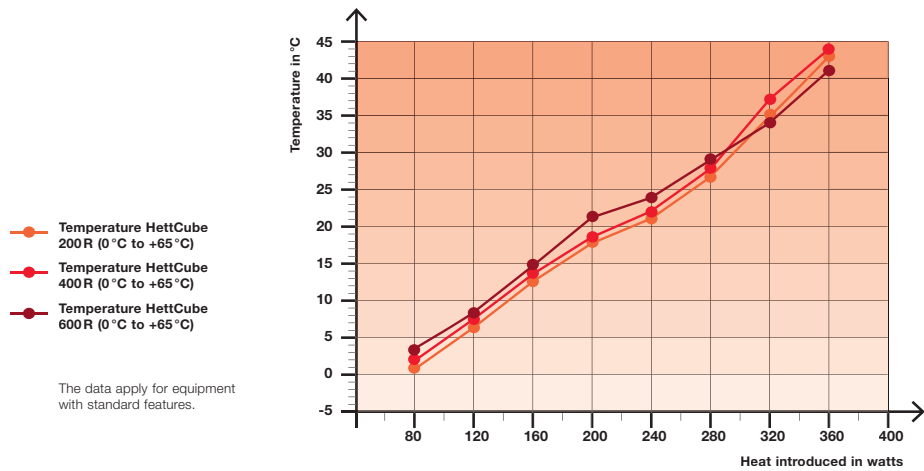
Space saving: HettCube models combine a very low footprint with a very high loading capacity. The HettCube models 600 and 600 R can hold up to 1,500 Petri dishes but have a footprint of just 6.5 sqft.

## 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.



# FEATURES AND OPTIONS

## STANDARD FEATURES

HettCube 200/200R, 400/400R, 600/600R

- 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
- Access port with 22 mm diameter bushing on rear panel
- Control panel and door can be locked at the same time

An Excel programming template is provided for simple operation of the incubator.



## OPTIONAL ACCESSORIES

DESCRIPTION	CAT. NO.	DESCRIPTION	CAT. NO.
USB converter incl. connecting cable and software for programming and recording (60901)	60501	Rear panel access port on the left side of the incubator, Ø 67 mm	60008
Ethernet converter incl. connecting cable and software for programming and recording (60901)	60502	Stacking kit, for safe stacking of two HettCube 200 or 200 R models on top of each other	60009
Software for programming and recording data for a HettCube incubator for up to 60 days	60901	Stainless steel shelf with guide rails of stainless steel (standard shelf)	60001
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	Stainless steel shelf with Easy-Glide rails, pulls out up to 70 %, max. load 40 kg	60002
Independent, flexible PT 100 sensor (4-wire) with 4-pole connection on the rear panel (LIM compatible)	60504	Drawer of stainless steel with Easy-Glide rails, pulls out up to 70 %, max. load 40 kg, height 35 mm	60003
Object temperature display with flexible PT 100 sensor (4-wire), with data logging by Hettich software	60505	Drawer of stainless steel with Easy-Glide rails, pulls out up to 70 %, max. load 40 kg, height 100 mm	60004
US internal socket outlet NEMA 5-15 R, IP 54, max. load 400 watts, without residual current device	60508	Drawer of stainless steel with Easy-Glide rails, pulls out up to 70 %, max. load 40 kg, height 150 mm	60005
US internal socket outlet NEMA 5-15 R, IP 54, max. load 400 watts, with residual current device (10 mA)	60512	Separate interlocking of the control panel	60014
Rear panel access port on the left side of the incubator, Ø 22 mm	60006	Rolling cabinet for a HettCube 200 or 200 R model	60010
Rear panel access port on the left side of the incubator, Ø 42 mm	60007	Further options on request.	



**ROLLING CABINET**  
Cat. No.: 60010



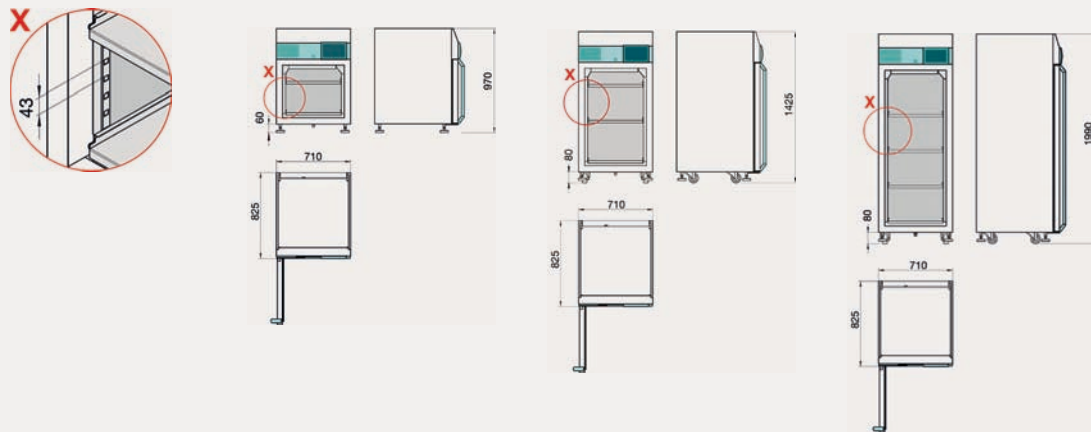
**STACKABLE KIT**  
Cat. No.: 60009



**SHELVES & RAILS**  
Cat. No.: 60001 - 60005

# HettCube SPECIFICATIONS

SPECIFICATIONS	HettCube 200	200R	HettCube 400	400R	HettCube 600	600R
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 inches	28 x 32.5 x 38		28 x 32.5 x 56		28 x 32.5 x 78.5	
Interior dimensions (W x D x H) in inches	21 x 27 x 16.5		21 x 27 x 33.5		21 x 27 x 56	
Internal volume in cubic feet	5.2		10.9		18.3	
Footprint in sqft	6.5		6.5		6.5	
Weight in lbs	183	207	243	267	353	377
Number of shelves provided as standard	2		3		4	
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	0.025 kWh		0.038 kWh		0.049 kWh	
Noise level	≤ 41 dB(A)	≤ 44 dB(A)	≤ 41 dB(A)	≤ 44 dB(A)	≤ 41 dB(A)	≤ 41 dB(A)
Power supply (other voltages upon request)	120 V 1 ~ / 50 – 60 Hz					
CAT. NO.	62000-01	62005-01	64000-01	64005-01	66000-01	66005-01



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