

**NEW**

**BINDER**

Best conditions for your success

# KT 115

**The new cooled incubator with Peltier technology  
Mild to samples, yet tough to contamination**

The new KT 115 combines superior performance with low energy consumption and exemplary environmental friendliness.  
The KT 115 is mild to samples and specimens and modern in application.



## Convincing good performance

- The unique temperature range from +4 to 100 °C offers room for a broad scope of up to 100 different short or long term constant test programs.
- The double-sided horizontal airflow ensures unique temperature spatial uniformity of only  $\pm 0,3$  K throughout the entire chamber. The BINDER APT.line™ Technology achieves this impressive value even when fully loaded.
- Exciting new is the unique 100 °C decontamination of the entire inner chamber.



## Highest levels of energy efficiency and environmental friendliness

- Energy consumption of the KT 115 is up to 60% lower than comparable compressor-driven models. The advantage is obvious – lower energy costs.
- The KT completely banishes halogenated refrigerants. A valuable contribution for our environment.



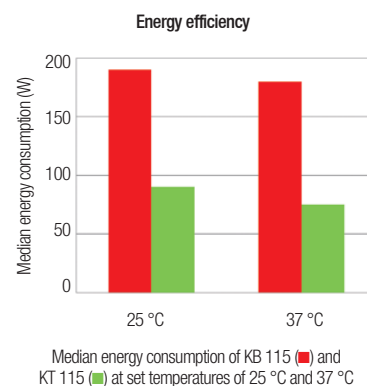
## Mild to specimens and modern in application

- An extremely low vibration level makes the KT ideal for vibration-sensitive samples and specimens.
- The KT emits only half the loudness of comparable compressor-driven incubators, thus it is ideal for in-lab use.
- With an exterior height of only 718 mm the KT fits under most tables, leaving the table top free for other important things.
- The new user interface featuring a 5,7 inch LCD display and a convenient press/turn button enables a simple, menu-guided programming and data management.

## Technical data Series KT



	KT 115
<b>Dimensions</b>	
Exterior dimensions (W x H x D) (mm)	860 x 712 x 718
Interior dimensions (W x H x D) (mm)	600 x 483 x 359
Internal volume (l)	104
No. of racks (series / max.)	2 / 6
Load per rack (kg)	30
<b>Specifications</b>	
Cooling technology	Peltier element (K6 compliant)
Heating technology	conventional
Temperature range (°C)	4 – 100
Spatial temperature uniformity (±K)	0,1 – 0,4
Temperature recovery time (min)	1
Air flow	APT.line™: mechanical convection, horizontal, double-sided
Heat compensation (up to 40°C) (W)	100
Energy consumption at 25 °C / 37 °C (W)	90 / 75



All technical data are specified for units with standard equipment at an ambient temperature of 25 °C and a voltage fluctuation of ±10%. The temperature data are determined in accordance with factory standard following DIN 12880 respecting the recommended wall clearances of 10% of the height, width and depth of the inner chamber. All indications are average values, typical for units produced in series. We reserve the right to change technical specifications at any time.

<b>Standard equipment</b>
APT.line™ Technology with Peltier cooling system and conventional heating
Elektronically controlled temperature range 4 °C to 100 °C
BINDER Controller with monochrome 5,7 inch LCD monitor and press/turn key
Independent adjustable temperature safety device, Class 3.1 with visual and audible alarm
Ethernet interface
Inner glass door
2 stainless steel racks
Units are stackable
BINDER test confirmation

## Options and accessories



Access ports



Data Logger



Shaker platform

<b>Options</b>
Independent adjustable temperature safety device, Class 3.3
Analog temperature output
Zero-voltage relay output
Interface RS422
Locking door handle with key
Waterproof interior socket 115 V / 230 V
Door heating
Interior lighting
Various access ports

<b>Accessories</b>
Stainless steel rack
Shaker platform
Sturdy trolley
Data Logger
APT-COM™ software