

Инкубаторы охлаждающие CARL ROTH

Технические характеристики

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Россия (495)268-04-70

Казахстан (772)734-952-31

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Cooling incubators



Cooling incubator KB series

Binder.

General features:

- **Operating temperature range:**
KB 23: From 0 to 100 °C
KB 53 and KB 115: From -5 to 100 °C
Setting accuracy: ± 0.1 °C
- **Cooling using a compression refrigerator**
- Controller with two programs, each with 10 individual steps
 - Integrated seven-day programmable timer with real-time function
 - Adjustable ramp function via program editor
 - Adjustable fan speed (min. speed 30%)
- With additional inner door of safety glass
- Class 3.1 temperature safety device (DIN 12880) with visual and audible alarms
- Mains connection 230 V, 50 Hz

Technical specifications:

Art. No.	CKH7.1	CKH8.1	CKH9.1
Type	KB 23	KB 53	KB 115
Operating temperature	From 0 to +100 °C	From -5 to +100 °C	
Vol.	20 l	53 l	115 l
Inner width	222 mm	400 mm	600 mm
Inner depth	277 mm	330 mm	400 mm
Inner height	330 mm	400 mm	480 mm
Outer width	435 mm	635 mm	835 mm
Outer depth	595 mm	660 mm	700 mm
Outer height	620 mm	835 mm	1,025 mm
Max. removable shelves	3	4	5
Rated power	340 W	460 W	
Temporal temp. variance	K K	± 0.1 K	
Spatial temp. deviation	± 0.3 K	± 0.2 K	
Weight	44 kg	72 kg	106 kg
Mains connection	230 V, 50 Hz		

Delivery incl. two stainless steel grids.

Type	Vol. (l)	Art. No.	Pack Qty.
KB 23	20	CKH7.1	1 unit(s)
KB 53	53	CKH8.1	1 unit(s)
KB 115	115	CKH9.1	1 unit(s)



Peltier cooling incubator

Memmert.

General features:

- **Operating temperature range of 0 to 70 °C (devices with inner socket have a limited temperature range of max. 60 °C)**
Set temperature of 0 to 70 °C
Setting accuracy 0.1 K
- Stainless steel interior (1.4301)
- Fully insulated stainless steel door (two-wing from size 450 upwards)
- **With additional inner glass door**
- Textured stainless steel housing
- **Incl.** factory calibration certificate valid for +10 °C and +37 °C

Other features:

- German, English, French and Spanish language options
- Digital timer (adjustable from 1 min to 99 d, 23 h) or continuous operation
- "SetpointWAIT" function – process time does not start until the target temperature is reached

Delivery incl. stainless steel grating (models 30 and 55: One grate; models 110 and 260: Two grates). Please note: Additional transport costs apply for delivery to the place of use. We will be happy to inform you of these on request.

IPP standard models with single TFT display

- Graphical single TFT display with touchscreen for operation and displaying temperature and timer runtime
- Integrated data logger with a memory capacity of up to 10 years
- With Ethernet communication port
- Protection against overheating

Technical specifications:

Art. No.	TY46.1	TY47.1	TY48.1	TY49.1
Type	IPP 30	IPP 55	IPP 110eco	IPP 260eco
Operating temperature	From 0 to 70 °C			
Vol.	32 l	53 l	108 l	256 l
Inner width	400 mm		560 mm	640 mm
Inner depth	240 mm	320 mm	368 mm	468 mm
Inner height	320 mm	400 mm	480 mm	800 mm
Outer width	585 mm		745 mm	824 mm
Outer depth	562 mm	642 mm	722 mm	822 mm
Outer height	704 mm	784 mm	864 mm	1,183 mm
Peltier elements	1		2	3
Max. removable shelves	3	4	5	9
Rated power	140 W	275 W	320 W	600 W
Temporal temp. variance	± 0.1 °C			
Spatial temp. deviation	± 0.4 °C			
Weight	40 kg	52 kg	78 kg	114 kg
Mains connection	230 V, 50/60 Hz			

Type	Vol. (l)	Art. No.	Pack Qty.
IPP 30	32	TY46.1	1 unit(s)
IPP 55	53	TY47.1	1 unit(s)
IPP 110eco	108	TY48.1	1 unit(s)
IPP 260eco	256	TY49.1	1 unit(s)

Cooling incubators

IPP-Soc models with inner socket

- **Version with inner socket** (current capacity 220 V/2.2 A) can be switched off via the master switch and is not separately switchable. Due to the socket, the temperature range is limited to max. +60 °C.
- Graphical single TFT display with touchscreen for operation and displaying temperature and timer runtime
- Integrated data logger with up to 10-year memory
- With Ethernet communication port
- Overheating protection

Technical specifications:

Art. No.	TY50.1	TY51.1	TY52.1	TY53.1
Type	IPP-Soc 30	IPP-Soc 55	IPP-Soc 110eco	IPP-Soc 260eco
Operating temperature	From 0 to 60 °C			
Vol.	32 l	53 l	108 l	256 l
Inner width	400 mm		560 mm	640 mm
Inner depth	240 mm	320 mm	368 mm	468 mm
Inner height	320 mm	400 mm	480 mm	800 mm
Outer width	585 mm		745 mm	824 mm
Outer depth	562 mm	642 mm	722 mm	822 mm
Outer height	704 mm	784 mm	864 mm	1,183 mm
Peltier elements	1		2	3
Max. removable shelves	3	4	5	9
Rated power	140 W	275 W	320 W	600 W
Temporal temp. variance	±0,1 °C			
Spatial temp. deviation	±0,4 °C			
Weight	40 kg	52 kg	78 kg	114 kg
Mains connection	230 V, 50/60 Hz			

Type	Vol. (l)	Art. No.	Pack Qty.	
IPP-Soc 30	32	TY50.1	1 unit(s)	
IPP-Soc 55	53	TY51.1	1 unit(s)	
IPP-Soc 110eco	108	TY52.1	1 unit(s)	
IPP-Soc 260eco	256	TY53.1	1 unit(s)	

IPPplus models with two graphical TFT displays

- Two graphical TFT displays with touchscreen for operation and displaying temperature, program runtime and graphical display of program flow
- Integrated data logger with a memory capacity of up to 10 years
- **Display of recorded log data (max. 10,000 values correspond to approx. one week) directly on the device**
- Application-specific correction of the heat output distribution between the upper and lower heating groups within an adjustment range from -50 to +50 %
- With Ethernet communication port for reading out log data as well as for transmitting and launching programs and online logging
- **USB port for installing programs and reading out the data logger incl. software (to create ramp programs and weekly programs)**
- Definition of individual min./max. values for protection against excessive/insufficient temperatures

Technical specifications:

Art. No.	TY54.1	TY55.1	TY56.1	TY57.1
Type	IPPplus 30	IPPplus 55	IPPplus 110eco	IPPplus 260eco
Operating temperature	From 0 to 70 °C			
Vol.	32 l	53 l	108 l	256 l
Inner width	400 mm		560 mm	640 mm
Inner depth	240 mm	320 mm	368 mm	468 mm
Inner height	320 mm	400 mm	480 mm	800 mm
Outer width	585 mm		745 mm	824 mm
Outer depth	562 mm	642 mm	722 mm	822 mm
Outer height	704 mm	784 mm	864 mm	1,183 mm
Peltier elements	1		2	3
Max. removable shelves	3	4	5	9
Rated power	140 W	275 W	320 W	600 W
Temporal temp. variance	±0,1 °C			
Spatial temp. deviation	±0,4 °C			
Weight	40 kg	52 kg	78 kg	114 kg
Mains connection	230 V, 50/60 Hz			

Type	Vol. (l)	Art. No.	Pack Qty.	
IPPplus 30	32	TY54.1	1 unit(s)	
IPPplus 55	53	TY55.1	1 unit(s)	
IPPplus 110eco	108	TY56.1	1 unit(s)	
IPPplus 260eco	256	TY57.1	1 unit(s)	



Cooling incubators



Cooling incubator Heratherm™ IMP series

Thermo.

Applications: Development processes for new products, quality assurance in the food, beverage and cosmetics industries, water analysis, and cell culture and microbiological analyses.

General features:

- **Operating temperature range: from 5 to 70 °C**, setting accuracy: ± 0.1 °C
- Peltier technology
- Heated door minimises condensation
- Timer with weekly/daily or real-time mode
- Programming option for defined temperature ramps, with cooling and dwell time: Storage of up to 10 programs with 10 temperature stages, loop program and selection mode at end of cycle
- Adjustable over-temperature shut-down
- Fan speeds adapt for power optimization
- Inside glass door for sample monitoring
- **Cable conduit for data monitoring (42 mm) on rear side**
- RS 232 port
- Stainless steel interior (1.4301/ASTM 304)
- IMP180 tabletop device: Handle/display not included in depth (65 mm) and adjustable feet not included in height (35 mm)
IMP400 standing device: Handle/display not included in depth (65 mm) and rollers not included in height (180 mm)

Technical specifications:

Art. No.	HCE7.1	HCE9.1	HCE8.1	HCH0.1
Type	IMP180 desktop unit		IMP400 floor standing unit	
Operating temperature	From 5 to 70 °C			
Vol.	178 l		381 l	
Inner width	464 mm		544 mm	
Inner depth	543 mm		524 mm	
Inner height	708 mm		1,335 mm	
Outer width	640 mm		778 mm	
Outer depth	738 mm		770 mm	
Outer height	920 mm		1,545 mm	
Max. removable shelves	9		17	
Rated power	80 W		150 W	
Temporal temp. variance	±0,1 K			
Spatial temp. deviation	±0,2/±0,5 K (20/37 °C)		±0,3/±0,7 K (20/37 °C)	
Weight	97 kg		216 kg	
Mains connection	100–230 V, 50/60 Hz			

Delivery incl. two stainless steel perforated sheet removable shelves (IMP180: W 439 x D 505 mm; IMP400: W 528 x D 468 mm). Please note: Additional transport costs apply for delivery to the place of use. We will be happy to inform you of these on request.

Standard version

Type	Vol. (l)	Art. No.	Pack Qty.	
IMP180 desktop unit	178	HCE7.1	1 unit(s)	
IMP400 floor standing unit	381	HCE8.1	1 unit(s)	

With inside socket – not switchable

Type	Vol. (l)	Art. No.	Pack Qty.	
IMP180 desktop unit	178	HCE9.1	1 unit(s)	
IMP400 floor standing unit	381	HCH0.1	1 unit(s)	

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