

Series KB | with compressor technology

The powerful virtuoso in cooling incubators for microorganisms: the KB masters temperature ranges from -5 °C to 100 °C. The new KB series consumes up to 30% less energy compared to its predecessor. With its extensive programming options and homogenous incubation conditions even when fully loaded, this cooling incubator covers a wide range of applications.



KB 53 model

MAIN FEATURES

- Temperature range: -5 °C to 100 °C
- APT.line™ preheating chamber technology
- Up to 30% lower energy consumption compared to the previous model
- Cooling with compressor cooling unit
- Door heating system from 240 liters
- Adjustable fan speed
- Controller with time-segment and real-time programming
- Inner door made of tempered safety glass
- 2 stainless steel racks
- Units up to 115 liters are stackable

AVAILABLE SIZES

Model	Interior volume [L]	Online data sheets
KB 23	20	› go2binder.com/en-KB23
KB 53	53	› go2binder.com/en-KB53
KB 115	115	› go2binder.com/en-KB115
KB 240	247	› go2binder.com/en-KB240
KB 400	400	› go2binder.com/en-KB400
KB 720	698	› go2binder.com/en-KB720



TIPS & TRICKS

Benefit from our many years of experience,

- Tips & Tricks: › go2binder.com/en-tips-tricks
Case Studies: › go2binder.com/en-case-studies



Find all details online
go2binder.com/en-KB

ADVANTAGES AT A GLANCE



HOMOGENEOUS TEMPERATURE DISTRIBUTION

Series KT, KB

BINDER APT.line™ preheating chamber technology ensures long-term operational stability even under full load.



EASY DECONTAMINATION

Series KT, KB

The disinfection routine at 100 °C and high quality stainless-steel inner chamber makes it easy to clean.

TECHNICAL DATA

Description	KB 23	KB 53	KB 115	KB 240	KB 400	KB 720
Outer dimensions						
Width net [mm]	435	635	835	925	925	1250
Height net [mm]	620	835	1025	1465	1950	1925
Depth net [mm]	520	580	650	800	805	885
Internal Dimensions						
Width [mm]	222	400	600	650	650	970
Height [mm]	330	400	480	785	1270	1250
Depth [mm]	277	330	400	485	485	576
Measures						
Interior volume [L]	20	53	115	247	400	698
Net weight of the unit (empty) [kg]	44	78	106	171	221	304
permitted load [kg]	25	40	50	100	120	150
Load per rack [kg]	10	15	20	30	30	45
Performance Data Temperature						
Temperature range [°C]	0...100	-5...100	-5...100	-5...100	-5...100	-5...100
Temperature variation at 37 °C [± K]	0.3	0.2	0.2	0.2	0.2	0.2
Temperature fluctuation at 37 °C [± K]	0.1	0.1	0.1	0.1	0.1	0.1
Recovery time after 30 seconds door open at 37 °C [min]	2	2	2	2	4	3
Electrical data						
Nominal power (version 120 V) [kW]	0.3	0.6	0.7	1.2	1.4	–
Nominal power (version 230 V) [kW]	0.3	0.6	0.7	1.2	1.4	2.3
Nominal power (version 240 V) [kW]	–	–	–	–	–	2.3
Fixtures						
Number of shelves (std./max.)	2/3	2/4	2/5	2/9	2/15	2/15

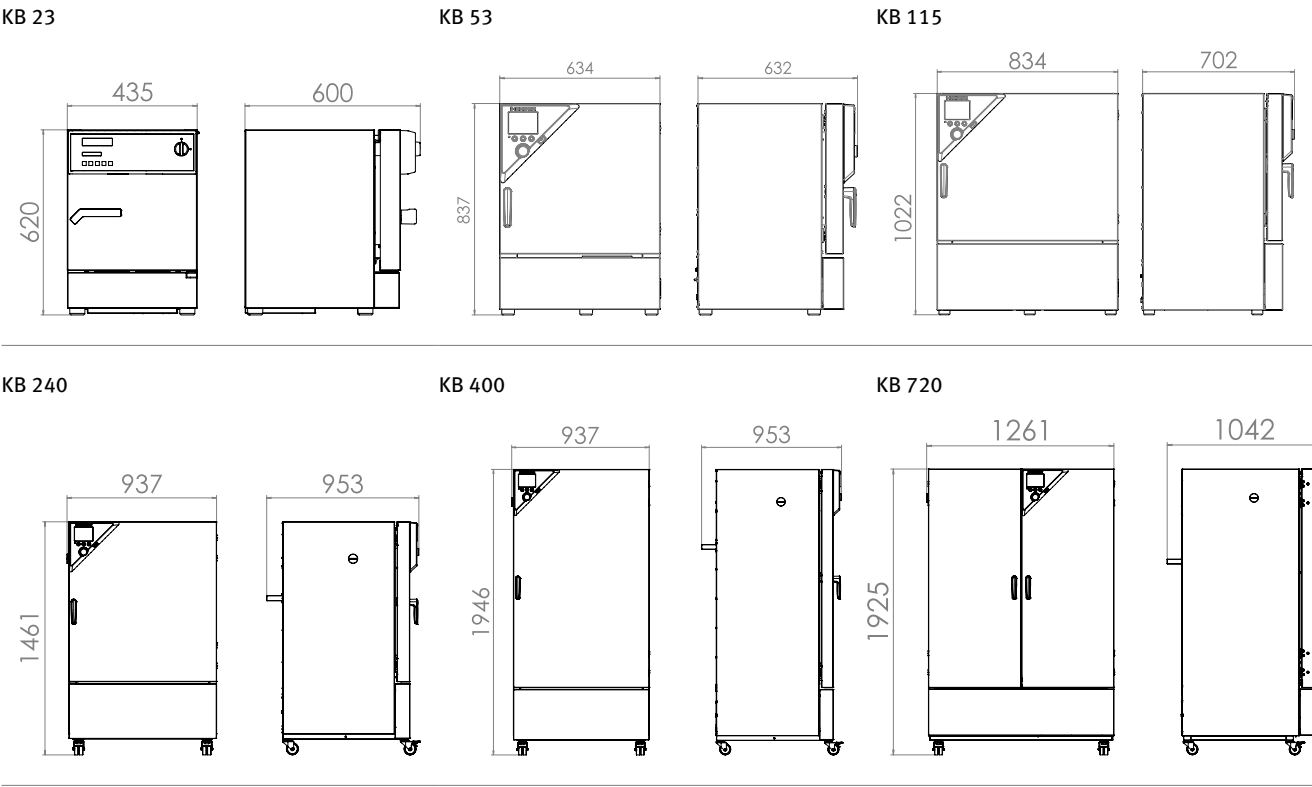
ORDERING INFORMATION [Art. No.]

Further details: Go to www.binder-world.com > Search > Enter Article Number

Voltage	Option model	KB 23	KB 53	KB 115	KB 240	KB 400	KB 720
230 V 1 50/60 Hz	Standard	9020-0112	9020-0199	9020-0397	–	–	–
200...240 V 1 50 Hz	Standard	–	–	–	9020-0202	9020-0203	9020-0204 9020-0306
120 V 1 60 Hz	Standard	9020-0113	9020-0302	9020-0303	–	–	–
100...120 V 1 60 Hz	Standard	–	–	–	9020-0304	9020-0305	–

► You will find a selection of options, accessories and services suitable for each product on page 11

DIMENSIONS incl. fittings and connections [mm]



EXCERPT FROM OPTIONS AND ACCESSORIES

LED light strip sets	<p>LED light strips in three different lengths (30, 50, 90 cm) can be easily and variably positioned in the BINDER unit, including various attachment options and control unit. Additional light strips can be added as desired.</p> <p>Series KT, KB</p>
Access port with silicone plug	<p>For introducing external measuring instruments. Large selection of different diameters and positions (left, right, or top)</p> <p>Series KT, KB</p>
Interior socket	<p>Socket with cover, with associated LEMO connector, nominal voltage, max. 500 W, max. 90 °C, and protection class IP67. For installing external units in the interior.</p> <p>Series KT, KB</p>
Door lock	<p>Lockable door handle prevents unauthorized access.</p> <p>Series KT, KB</p>
Services	<p>You can access our installation, maintenance, calibration, validation, or warranty services by taking out a Maintenance Service Agreement or by simply getting in touch when you need us. More information is available in the accessories and services chapter.</p> <p>Series KT, KB</p>
BINDER INDIVIDUAL	<p>Using a BINDER series production product as a basis, we develop individual solutions as a single unit or in small batches. All products are tested, certified, and supplied with a full functional guarantee and warranty. More information is available in the accessories and services chapter.</p> <p>Series KT, KB</p>

► All extras online go2binder.com/en-options



LED light strip sets



Access port with silicone plug



Shaker operation in the chamber



Services