

Series KBW | with light

The BINDER climate chamber with illumination of the KBW series achieves homogeneous light distribution with its natural illumination. That allows this growth chamber to create constant lighting and temperature conditions.



KBW 400 model

MAIN FEATURES

- Temperature range: 0 °C to 70 °C
- Temperature range with light: 5 °C to 60 °C
- positionable illumination cassettes, each with 5 fluorescent tubes
- APT.linem™ preheating chamber technology
- Adjustable fan speed
- Stainless steel racks
- Access port with silicone plug, 30 mm, left
- Class 3:1 independent temperature safety device (DIN 12880) with visual and audible temperature alarm
- Computer interface: Ethernet
- Intuitive touchscreen controller with time-segment and real-time programming with internal data recording

AVAILABLE SIZES

Model	Interior volume [L]	Online data sheets
KBW 240	247	go2binder.com/en-KBW240
KBW 400	400	go2binder.com/en-KBW400
KBW 720	698	go2binder.com/en-KBW720

TIPS & TRICKS

Benefit from our many years of experience, as demonstrated in our technical papers:

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

TECHNICAL DATA

Description	KBW 240	KBW 400	KBW 720
Housing dimensions not incl. fittings and connections			
Width net [mm]	925	925	1250
Height net [mm]	1465	1950	1925
Depth net [mm]	800	805	890
Internal Dimensions			
Width [mm]	650	650	970
Height [mm]	785	1270	1250
Depth [mm]	485	485	576
Measures			
Interior volume [L]	247	400	698
Net weight of the unit (empty) [kg]	195	252	377
permitted load [kg]	100	120	150
Load per rack [kg]	30	30	45
Performance Data Temperature			
Temperature range with 100% illumination [°C]	5...60	5...60	5...60
Temperature range without illumination cassettes [°C]	0...70	0...70	0...70
Temperature variation with 100% illumination [±K]	0.5	1.5	1.0
Temperature variation without illumination cassettes [±K]	0.5	0.5	0.5
Temperature fluctuation with 100% illumination [±K]	0.2	0.2	0.1
Temperature fluctuation without illumination cassettes [±K]	0.1	0.1	0.1
Lightdata per Illumination Cassettes			
Daylight tubes [W/m²]	24	24	38
Daylight tubes [lx]	9000	9000	13000
Fluora® growth lamps [W/m²]	23	23	36
Fluora® growth lamps [lx]	7500	7500	10500
Arabidopsis lamps [W/m²]	32	32	43
Arabidopsis lamps [lx]	11000	11000	14000
Electrical data			
Nominal power (version 230 V) [kW]	1.4	1.6	2.7
Fixtures			
Number of shelves (std./max.)	2/7	3/12	3/12
Number of illumination cassettes (std./max.)	2/2	3/3	3/3

ORDERING INFORMATION [Art. No.]

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

Voltage	Option model	KBW 240	KBW 400	KBW 720
200...240 V 1 50 Hz	Standard	9020-0338	9020-0339	9020-0340

► You will find a selection of options, accessories and services suitable for each product on page 12