

Lab Equipment List information and location code								
Name	Location ref.	Manufacturer	Electrical Requirements	Owner Provided Owner Installed	Owner Provided Contractor Installed	Contractor Provided Contractor Installed	Comments	
<b>DNA lab</b>								
Large capacity fully automatic autoclave	a-1	Heidolph	230 V 3 Phase		X		AUTOCLAVE 132	
VIP ECO natural refrigerant lab freezer	a-2	PHCbi	208/230V UN3358	X				
desktop 5c incubator	a-3	1154J61	120 V	X				
desktop freezer	a-4	1154J61	120V	X				
pcr workstation	a-5	AirClean	120V	X				
Sample prep station	a-6	MP Biomedicals FastPrep-24 Sample Preparation System						Not in this Project
PCR System (thermocycler)	a-7	Applied BioSystems	120v	X				
Real-time PCR system (with computer and software)	a-8	Applied BioSystems	120v	X				
PCR plate spinner	a-9	Fishbrand	115v	X				
Microcentrifuge (mini)	a-10	Corning® LSE™ mini microcentrifuges	120v	X				
Biosafety cabinet	a-11	ESCO		X				
Microcentrifuge	a-12	Fisherbrand™	120v	X				
vortex mixer	a-13			X				
balance (analytic)	a-14	Cole-Parmer	120v	X				
<b>Pathology lab (+research lab)</b>								
spore plate reader	b-1	biosense	120v	X				
Oribital Shaker	b-2	Ohaus	120v	X				
centrifuge	b-3	Fisherbrand™	120v	X				
Incubator (variable temp)	b-4	Cole-Parmer	120v AC	X				
Dissecting microscope (camera)	b-5		120v	X				
Dissecting microscope with boom arm (camera)	b-6	Zeiss	120v	X				
Standard microscope	b-7		120v	X				
compound microscope with camera	b-8	Zeiss	120v	X				
Laminar Flow clean bench	b-9	AirClean	240v	X?				
Commercial microwave oven	b-10		120v	X				
stir/hot plate	b-11		120v	X				
lab balance (analytic)	b-12	Cole-Parmer	120v	X				
47MM vacuum filtration system	b-13		120V	X				
freeze dryer	b-14	HarvestRight	120V	X				
<b>Entomology/Environmental Lab:</b>								
Insect chamber	c-1	caron insect growth chamber	120v	X				
Fume hood	c-2	Labconco	230v			X	In Lab Casework Package	
Mini cutting mill	c-3	Thomas Wiley	dualv 115/230v	X				
Pelletizer	c-4		220v				Not in this Project	
ICP-AES spectrometer	c-5	Agilent	240v and 230v				Not in this Project	
PH scale	c-6	Thermo Scientific	120v	X				
Commercial microwave oven	c-7		120v	X				
stir/hot plate	c-8	Fisherbrand™ Isotemp™ Digital Hotplate Stirrer	120v	X				
Lab Balance portable	c-9	Mettler Toledo™	120v	X				
weighing platform	c-10	uline washdown platform scale	120v	X				
Ice Maker - Research Labs	LS1					X	STORAGE 124	
Growth Chamber	LS2	GMI - Binder Model KBWF 720	230v / 50Hz		X		STORAGE 124	
Walk-In Cooler/Freezer	LS3, LS4, LS5					X	STORAGE 124	
Ice Maker - Biology Storage Room 108						X	STORAGE 108	
Reach-In Refrigerator		Pathology Lab		X				
Break Room Appliances		Refrigerator, Microwave, Coffee Maker		X				



## Heidolph Laboratory Line Autoclaves



Designed to meet today's changing lab sterilization needs, these autoclaves offer a steam generator, vacuum pump, and cooling coils often found on larger autoclaves in a compact platform

Catalog  
No. 13-890-052

\$68,950.00 / Each of

1

Qty

**Supplier:** Heidolph 023260002

 **Alert:**

This item is a non-standard voltage; please ensure you are ordering the correct product. Please contact customer service for assistance: 1-800-766-7000.

## Description

- Designed to provide high quality, repeatable performance and accountability for a wide range of applications used in modern laboratories
- For use with Agar preparation as well as the sterilization of liquids, pipettes, glasses, instruments, and biohazards with various cooling options
- Equipped with a vacuum pump, cooling coils, and a steam generator for all laboratory sterilization needs
- Compact size allows autoclave to fit on a standard benchtop
- Fast cooling (C) saves up to 75% of the cool down times of liquid samples
- Immediate Steam (G) and Efficient Air Removal (PV) Steam generator in combination with vacuum (PV G) for complete drying
- PID (Proportional Integral Differential) pressure control
- Stores the last 200 cycles in built-in memory
- Two independent, flexible PT100 temperature sensors prevent boil over of liquids and explosions of bottles
- Compressed air is passed through a microbiological filter into the autoclave chamber after sterilization to prevent a drop in pressure which causes load deformation, cracks, and spills
- Cold water is circulated through cooling pipes to rapidly reduce the temperature of the chamber and liquid load to a safe temperature
- Highly efficient drying is achieved by uniformly heating the chamber wall of the benchtop autoclave using a coiled pipe
  - Guarantees that even the most difficult loads will dry such as textiles, porous loads, hollow instruments, and tips
  - The vacuum pump can be used for post vacuum drying to ensure improved drying of porous loads and hollow instruments such as pipette tips

## Specifications

Autoclavable	Not Autoclavable	Amperage	~16 A
Depth (Metric) Tray	78 cm	Depth (English) Tray	30.7 in.
Capacity (English)	42 gal.	Capacity (Metric)	160 L
Depth (Metric) Chamber	75 cm	Diameter (English) Chamber	19.5 in.
Depth (English) Chamber	30 in.	Diameter (Metric) Chamber	50 cm
For Use With (Application)	Sterilization	For Use With (Equipment)	Liquids, Glassware, Utensils (Wrapped or Unwrapped), Hollow Items, and Solids
Length (English)	46.3 in.	Height (English) Exterior	62.1 in.
Height (Metric) Exterior	157.8 cm	Length (Metric)	1175 cm
Model	5075 ELP-PV-GC	Product Type	Autoclave
Temperature (English)	221°F to 278°F	Temperature (Metric)	105°C to 137°C
Display	Multi-color to display the stage of the cycle	Net Weight (English)	447.5 lb.
Net Weight (Metric)	203 kg	Printer	Included
Voltage	230 V 3 Phase	Wattage	6600 w
Width (English) Tray	12.6 in.	Width (Metric) Tray	32 cm
Sterility	Non-sterile	Shipping Weight (Metric)	312 kg
Dimensions (L x W x H)	33.9 x 44.1 x 29.1 in. (86 x 112 x 74 cm)		

## Product Suggestions



# KM-350/520/660M\_J(Z)

## SLIM-LINE MODULAR CRESCENT CUBER



KM-350/520/660M\_J(Z)  
12/06/22  
Item # 13260

**W x D x H**  
**22" x 27<sup>3/8</sup>" x 28"**



Item #: \_\_\_\_\_  
Project: \_\_\_\_\_  
Qty: \_\_\_\_\_  
AIA#: \_\_\_\_\_

### Features

- ▶ Individual crescent cube
- ▶ Factory-installed ultrasonic bin control can be adjusted on site
- ▶ Simple, one-hour cleaning process

#### Air-Cooled

KM-350MAJ ★

KM-520MAJ ★

KM-660MAJ

Air-cooled model

shown on optional bin: B-300



#### Water-Cooled

KM-350MWJ

KM-520MWJ

KM-660MWJ

#### Remote Air-Cooled

KM-520MRJZ ★

KM-660MRJZ ★



- Durable construction with fewer parts
- Self-diagnostic programming automatically adjusts to changing conditions
- Snap fit parts for easy cleaning
- Stainless steel double-sided evaporator
- CycleSaver™ design
- Protected by H-GUARD Plus Antimicrobial Agent
- EverCheck™ alert system
- Removable air filters (air-cooled model only)
- R-404A Refrigerant

#### Available on Bins/Dispensers:

B-250SF	B-500/SF	B-800SF	B-1150SS	DB-130H
B-300SF	B-700SF	B-900SF	B-1300SS	DB-200H
				DM-200B

Top kit may be required. See Bin Spec Sheets.

#### Warranty:

3 Year Parts & Labor on entire machine. 5 Year Parts & Labor on evaporator. 5 Year Parts on Compressor; air-cooled condenser coil. Valid in United States, Canada, Puerto Rico and U.S. Territories. Contact factory for warranty in other countries.

Shipping: (LxWxH) 33.5" x 25.88" X 34.6" Volume: 17.36ft<sup>3</sup>



Condenser	Model	ICE PRODUCTION		WATER USAGE			ELECTRICAL						
		Air / Water Temp Lbs. per 24 hours 70°/50°F 90°/70°F		Potable Gal. per 100 lbs. 90°/70°F	Condenser Gal. per 100 lbs. 90°/70°F	kWh Used per 100 lbs. 90°/70°F	Min. Circuit Amp - Max. Fuse/Breaker	Amperage	Voltage	Circuit Wires (including ground)	Heat Rejection BTU/hr.	Refrigerant Charge Amount	Net / Ship Weight (lbs.)
Air	KM-350MAJ ★	489	393	14.5	N/A	5.42	15A	9.05A	115V/60/1	3	5,700	1 lb. 3.4 oz.	125 / 175
Water	KM-350MWJ	414	383	15.5	109	4.90	15A	7.5A	115V/60/1	3	6,600	11.6 oz.	126 / 175
Air	KM-520MAJ ★	556	480	14.7	N/A	4.68	20A	10.6A	115V/60/1	3	6,600	1 lb. 10.8 oz.	145 / 175
Water	KM-520MWJ	474	444	14.8	75	4.65	20A	8.45A	115V/60/1	3	6,300	12.7 oz.	127 / 175
Remote	KM-520MRJZ ★	547	495	13.6	N/A	4.80	20A	12.05A	115V/60/1	3	6,200	2 lb. 4.7 oz. 4 lb. 2.7 oz. <sup>1</sup>	145 / 175
Air	KM-660MAJ	650	560	14.8	N/A	5.3	20A	15.2A	115V/60/1	3	8,000	1 lb. 9.8 oz.	150 / 180
Water	KM-660MWJ	647	630	16.1	152	4.28	20A	12.35A	115V/60/1	3	8,900	15.2 oz.	130 / 180
Remote	KM-660MRJZ ★	642	570	15.0	N/A	5.25	20A	16.1A	115V/60/1	3	8,100	2 lb. 4.7 oz. 4 lb. 2.7 oz. <sup>1</sup>	150 / 180

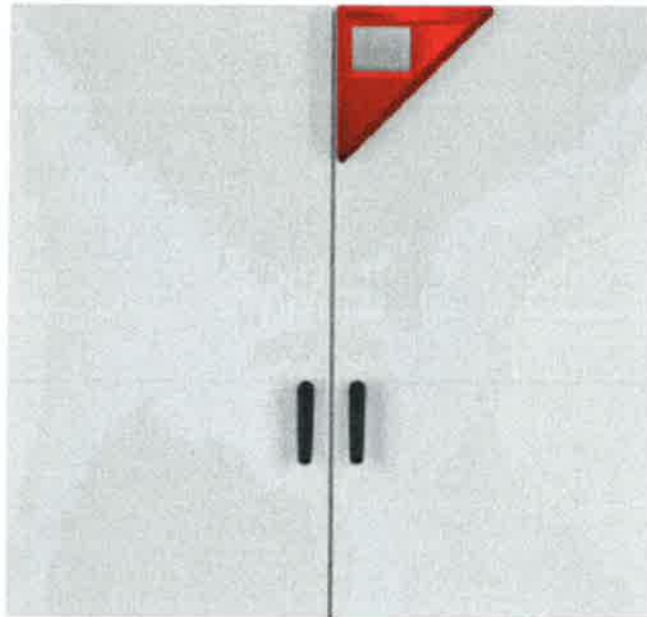
<sup>1</sup> (with condenser)

Power cord not included. Must be hard-wired at site.

Hoshizaki reserves the right to change specifications without notice.



Sale!



## Binder Model KBWF 720, Growth Chambers with Light and Humidity

~~\$34,621.00~~ **\$27,697.00**

Finance with  
**APPROVE**

As low as  
**\$620/mo**

Apply in 60 seconds | Lenders compete

- 1 +

ADD TO CART

Schedule a Free Consultation

SKU: 9875-10-0002

Categories: Binder Factory Clearance, Climate Chambers

Brand: Binder



Not sure which configuration is right for your application? **Schedule a free consultation with our technical consultants today!**

Request Quote

[SCHEDULE A CONSULTATION](#)

[Description](#) [Parts](#) [Service](#) [Reviews](#)

## Product Description

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

- Patented lighting system ensures homogeneous light distribution
- Flexible positioning of illumination cassettes, three different light spectra, individually selectable
- Pressure humidification with fast response times

## Features & Benefits

Temperature range

0 °C to +70 °C

Temperature range with light

+10 °C to +60 °C

Humidity range

10 % to 80 % RH

Positionable illumination cassettes, each with 5 fluorescent tubes

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APT.line™ preheating chamber technology

Adjustable fan speed

Humidity regulation with capacitive humidity sensor and vapor humidification

Intuitive touchscreen controller with time-segment and real-time programming

Internal data logger, measured values can be read out in open format via USB

Unit self-test for comprehensive status analysis

Tight-sealing inner door made of safety glass (ESG)

Avoidance of glass corrosion by special TIMELESS coating

Display via color LCD monitor

Stainless steel racks

Access port with silicone plug, 30 mm, left

Computer interface

Ethernet

Door heating

60 Hz version on request

Class 3.1 independent temperature safety device (DIN 12880) with visual and audible temperature alarm

Request Quote

## Technical Specifications

### PERFORMANCE DATA TEMPERATURE

Designation	KBWF720-230V
Temperature range without illumination cassettes	0...70 °C
Temperature range with 100% illumination	20...60 °C
Max. heat compensation at 40°C with illumination	

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## PERFORMANCE DATA CLIMATE

Designation	KBWF720-230V
Temperature range with humidity and without illumination cassettes	10...70 °C
Temperature range with humidity and 100% illumination	20...60 °C
Humidity range without illumination cassettes	10...80 % r.F.
Humidity range with 100% illumination	...75 % r.F.

Request Quote

## LIGHTDATA PER ILLUMINATION CASSETTES

Designation	KBWF720-230V
Daylight tubes	38 W/m <sup>2</sup>
Daylight tubes	13000 lx
Fluora® growth lamps	10500 lx
Arabidopsis lamps	14000 lx

## ELECTRICAL DATA

Designation	KBWF720-230V
Rated Voltage	200...240 V
Power frequency	50 Hz
Nominal power	3,5 kW
Unit fuse	16,0 A
Phase (Nominal voltage)	1~

## FIXTURES

Designation	KBWF720-230V
Number of shelves (std./max.)	3/12
Number of illumination cassettes (std./max.)	3/3

## MEASURES

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Designation	KBWF720-230V
Interior volume	700 L
Net weight of the unit (empty)	374 kg
Load per rack	45 kg
Permitted load	150 kg
Wall clearance back	100 mm
Wall clearance sidewise	200 mm

Request Quote

## HOUSING DIMENSIONS

Designation	KBWF720-230V
Width net	1250 mm
Height net	1925 mm
Depth net	890 mm

## INTERNAL DIMENSIONS

Designation	KBWF720-230V
Interior width	973 mm
Interior height	1250 mm
Interior depth	576 mm
Inner doors	2
Unit doors	2

## ENVIRONMENT-SPECIFIC DATA

Designation	KBWF720-230V
Sound-pressure level	59 dB(A)
Energy consumption at 37°C and 75% RH	1,850 Wh/h

## RELATED PRODUCTS

Schedule a Free Consultation