

## Series ED Avantgarde.Line | with gravity convection

The strengths of a BINDER ED series drying chamber include routine drying and sterilization tasks up to 300 °C. Thanks to the natural convection, all thermal processes which use this drying chamber are highly efficient. The ED series ensures fast, uniform drying.



ED 56 model

### MAIN FEATURES

- Temperature range: ambient temperature plus 5 °C to 300 °C
- High temperature accuracy thanks to APT.line™ technology
- Gravity convection
- Controller with LCD display
- Electromechanical control of the exhaust air flap
- 2 chrome-plated racks
- Units up to 115 L are stackable
- Class 2 independent temperature safety device (DIN 12880) with visual temperature alarm
- Ergonomic handle design
- USB port for recording data

### AVAILABLE SIZES

Model	Interior volume [cu. ft.]	Online data sheets
ED 56	2	› <a href="https://go2binder.com/us-ED56">go2binder.com/us-ED56</a>
ED 115	4	› <a href="https://go2binder.com/us-ED115">go2binder.com/us-ED115</a>
ED 260	9	› <a href="https://go2binder.com/us-ED260">go2binder.com/us-ED260</a>
ED 720	26.2	› <a href="https://go2binder.com/us-ED720">go2binder.com/us-ED720</a>



### TIPS & TRICKS

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

- Tips & Tricks: › [go2binder.com/us-tips-tricks](https://go2binder.com/us-tips-tricks)  
 Case Studies: › [go2binder.com/us-case-studies](https://go2binder.com/us-case-studies)



Find all details online  
[go2binder.com/us-ED-a](https://go2binder.com/us-ED-a)

## ADVANTAGES AT A GLANCE



### **EASY DATA LOGGING**

Series ED, FD, FED

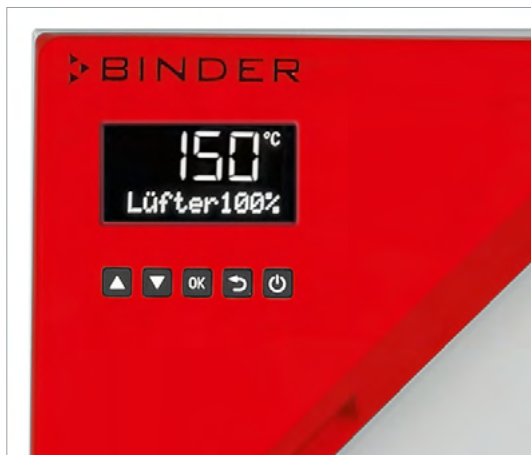
The USB connector, standard on the ED, FD and FED, provides easy data logging. Ethernet connectivity is standard on FED and an option for ED and FD.



### **BEST ENERGY EFFICIENCY ON THE MARKET AND LOW INSTALLATION REQUIREMENTS**

Series ED, FD, FED

thanks to low heat dissipation and an optimized heating system.



### **EASY, INTUITIVE HANDLING**

Series ED, FD, FED

Our state-of-the-art controller with LCD display, excellent readability, alphanumeric display, and various functions provide a user friendly interface. Choice of languages as standard: English, German, and French.

## TECHNICAL DATA

Description	ED 56	ED 115	ED 260	ED 720
Outer dimensions				
Width net [in]	22.06	27.97	31.91	45.9
Height net [in]	24.63	28.96	38.02	62.6
Depth net [in]	22.26	23.84	29.94	34.28
Internal Dimensions				
Width [in]	14.18	20.09	24.03	37.82
Height [in]	16.55	20.88	29.94	50.4
Depth [in]	14.97	16.74	21.67	23.84
Measures				
Interior volume [cu.ft.]	2	4	9	26.2
Net weight of the unit (empty) [lbs]	86	119	187	373
permitted load [lbs]	154	331	595	694
Load per rack [lbs]	66	66	88	99
Performance Data Temperature				
Temperature range 5 °C above ambient temperature to [°C]	300	300	300	300
Temperature variation at 150 °C [± K]	2.3	1.5	1.8	3.2
Temperature fluctuation at 150 °C [± K]	0.4	0.4	0.8	0.8
Heating-up time to 150 °C [min]	50	45	50	85
Recovery time after 30 seconds door open at 150 °C [min]	19	16	20	25
Electrical data				
Nominal power (version 120 V) [kW]	1.15	1.35	–	–
Nominal power (version 230 V) [kW]	1.05	1.25	2.25	–
Nominal power (version 240 V) [kW]	–	–	2.45	–
Nominal power (version 400 V) [kW]	–	–	–	4.1
Fixtures				
Number of shelves (std./max.)	2/4	2/5	2/8	2/16

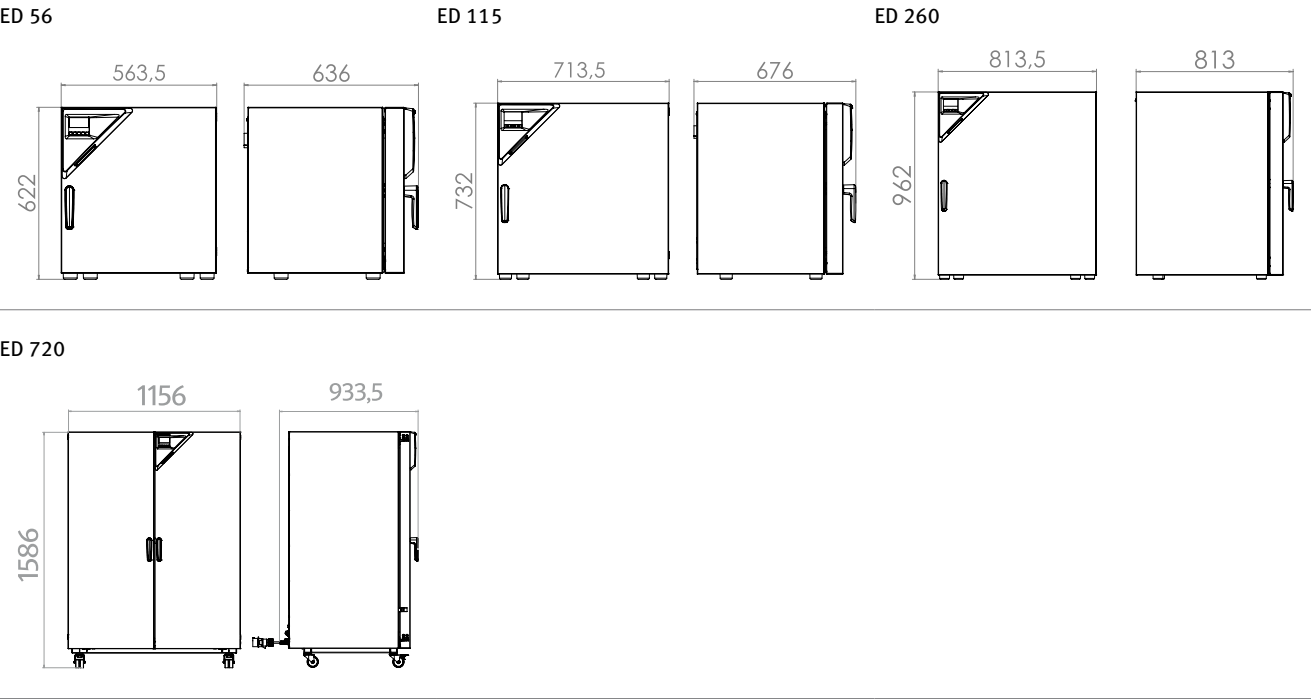
## ORDERING INFORMATION [Art. No.]

**Further details:** Go to [www.binder-world.com](http://www.binder-world.com) > Search > Enter Article Number

Voltage	Option model	ED 56	ED 115	ED 260	ED 720
400 V 3~ 50/60 Hz	Standard	–	–	–	9010-0341
240 V 1~ 60 Hz	Standard	–	–	9010-0340	–
230 V 1~ 50/60 Hz	Standard	9010-0333	9010-0335	9010-0339	–
120 V 1~ 60 Hz	Standard	9010-0334	9010-0336	–	–

► You will find a selection of options, accessories and services suitable for each product on page 15

DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]



## EXCERPT FROM OPTIONS AND ACCESSORIES

<b>Access port with silicone plug</b>	For introducing external measuring instruments. Large selection of different diameters and positions (left, right, or top) Series ED, FD, FED
<b>Data Logger Kit T</b>	Independent temperature data logging. The tailored product solution contains helpful accessories: From the magnetic mounting of the data logger to the BINDER unit and securing sensor cable for accurate readings. Series ED, FD, FED
<b>Viewing window and interior lighting</b>	Viewing window in the door with a triple-glazed insulating glass and interior lighting for easy visibility of the samples. Series ED, FD, FED
<b>Shelf racks</b>	Perforated shelves or shelf racks, chrome-plated or made from stainless steel. Series ED, FD, FED
<b>HEPA air filter</b>	Particle filter on fresh air supply for unit; filter classification H14 (acc. to. EN 1822-1:2009, > 99.995% at 0.3 µm). Series ED, FD, FED
<b>Services</b>	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. Series ED, FD, FED
<b>BINDER INDIVIDUAL</b>	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. Series ED, FD, FED

► All extras online [go2binder.com/us-options](https://go2binder.com/us-options)



Access port with silicone plug



Data Logger for temperature



Viewing window in the door



Shelf