

Series ED Avantgarde.Line | with natural 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

BENEFITS

- Best energy efficiency on the market
- Excellent temporal and spatial temperature accuracy
- USB connection for recording data
- Temperature range up to +300 °C

MAIN FEATURES

- Temperature range: +5 °C above ambient temperature to +300 °C
- Up to 30% lower energy consumption compared to conventional units on the market
- High temperature accuracy thanks to APT.line™ technology
- Natural convection
- Controller with LCD display
- Electromechanical control of the exhaust air flap
- 2 chrome-plated racks
- Units up to 115 liters are stackable
- Class 2 integrated independent adjustable temperature safety device (DIN 12880) with visual alarm
- Ergonomic handle design

AVAILABLE SIZES

Model	Interior volume [L]	Online data sheets
ED 56	57	› go2binder.com/en-ED56-AL
ED 115	114	› go2binder.com/en-ED115-AL
ED 260	255	› go2binder.com/en-ED260-AL
ED 720	743	› go2binder.com/en-ED720-AL



Find all details online: go2binder.com/en-ED

OPTIONAL EQUIPMENT

Access port with silicone plug	For introducing external measuring instruments. Large selection of different diameters and positions (left, right, or top)	
Viewing window and interior lighting	Viewing window in the door with a triple-glazed insulating glass and interior lighting for easy visibility of the samples.	
Shelf racks	Perforated shelves or shelf racks, chrome-plated or made from stainless steel.	
HEPA air filter	Particle filter on fresh air supply for unit; filter classification H14 (acc. to. EN 1822-1:2009, > 99.995% at 0.3 µm).	
Services	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.	
BINDER INDIVIDUAL	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.	

► All extras online go2binder.com/en-options

TECHNICAL DATA

Description	ED 56	ED 115	ED 260	ED 720
Measures				
Interior volume [L]	57	114	255	743
Net weight of the unit (empty) [kg]	42	57	85	169
Permitted load [kg]	70	150	270	315
Load per rack [kg]	30	30	40	45
Wall clearance back [mm]	160	160	160	160
Wall clearance sidewise [mm]	100	100	100	100
Internal Dimensions				
Width [mm]	360	510	610	960
Height [mm]	420	530	760	1280
Depth [mm]	380	425	550	605
Housing dimensions not incl. fittings and connections				
Width net [mm]	560	710	810	1165
Height net [mm]	625	705	940	1590
Depth net [mm]	565	605	760	870
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
Tabellen				
Air change (approx.) at 100 °C [x/h]	8	6	3	2
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

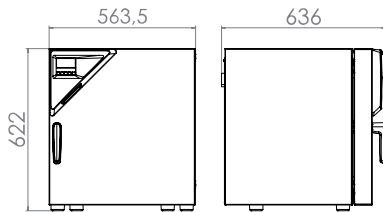
ORDERING INFORMATION [Art. No.]

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

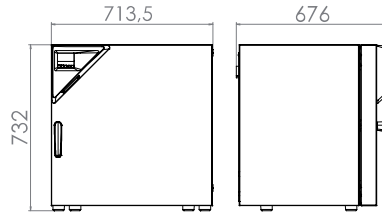
Voltage	Option model	ED 56	ED 115	ED 260	ED 720
400 V 3~ 50/60 Hz	Standard	–	–	–	9010-0341
240 V 1~ 60 Hz	Standard	–	–	9010-0340	–
230 V 1~ 50/60 Hz	Standard	9010-0333	9010-0335	9010-0339	–
120 V 1~ 60 Hz	Standard	9010-0334	9010-0336	–	–

DIMENSIONS incl. fittings and connections [mm]

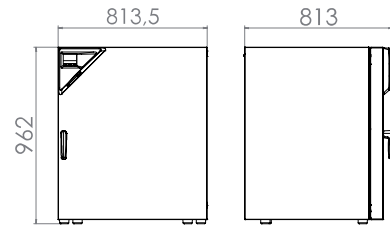
ED 56



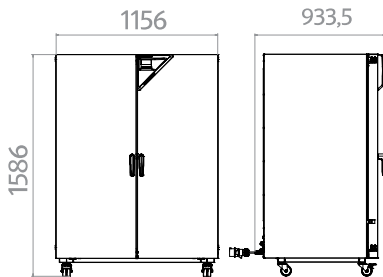
ED 115



ED 260



ED 720



ORDERING INFORMATION OPTIONS

Designation	Description	ED 56	ED 115	ED 260	ED 720	Art. No.
Access port with silicone plug	back					
	10 mm	•	•	•	•	8012-1282
	30 mm	•	•	•	•	8012-0540
	50 mm	•	•	•	•	8012-0546
	left					
	10 mm	•	•	•	•	8012-1275
	30 mm	•	•	•	•	8012-1018
	50 mm	•	•	•	•	8012-1022
	100 mm	–	•	•	•	8012-1030
	right					
	10 mm	•	•	•	•	8012-1268
	30 mm	•	•	•	•	8012-1017
	50 mm	•	•	•	•	8012-1021
	100 mm	–	•	•	•	8012-1031
	top					
	10 mm	•	•	•	•	8012-1262
30 mm	•	•	•	•	8012-0539	
50 mm	•	•	•	•	8012-0545	
100 mm	•	•	•	•	8012-1029	
Alarm function for overheating	Switchable acoustic alarm, with adjustable limit value on the independent temperature safety device	•	•	•	•	8012-1635
Analog output 4-20 mA	for temperature values (output not adjustable)	•	•	•	•	8012-1623
Calibration certificate, expanded	for temperature; for extending the measurement in center of chamber to include another test temperature	•	•	•	•	8012-1115

Designation	Description	ED 56	ED 115	ED 260	ED 720	Art. No.
Calibration certificate, temperature	for temperature, measurement in center of chamber at specified temperature	•	•	•	•	8012-1134
	temperature measurement incl. certificate and 27 measuring points at specified temperature	•	•	•	•	8012-1593
	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	•	•	•	•	8012-1572
	temperature measurement incl. certificate, 9 measuring points at specified temperature	•	•	•	•	8012-1551
Class 3.1 independent temperature safety device	with visual alarm (DIN 12880)	•	•	•	•	8012-0985
Clock	battery-backed	•	•	•	•	8012-1640
Door gasket	made of FKM, silicone-free	•	–	–	–	8012-1008
		–	•	–	–	8012-1009
		–	–	•	–	8012-1011
		–	–	–	•	8012-1013
Door lock	lockable door handle	•	•	•	–	8012-1664
		–	–	–	•	8012-1817
Ethernet interface	for Multi Management Software APT-COM™	•	•	•	–	8012-1645
		–	–	–	•	8012-1836
Inner chamber, reinforced	max. total load 350 kg	–	–	–	•	8012-1827
Interior lighting	with 15 W light bulb					
	120 V option model	•	•	–	–	8012-1631
	230/240 V option model	•	•	•	–	8012-1627
	with two 15 W light bulbs					
	400 V option model	–	–	–	•	8012-1824
Measurement of air exchange rate	in accordance with ASTM D5374, definition and protocol according to ambient temperature	•	•	•	•	8012-0195
Pt 100 temperature sensor	additional flexible Pt 100, interior, for displaying the temperature on the unit display	•	•	•	•	8012-1619
Viewing window and interior lighting	viewing window (triple insulating glass) in door, 240 x 240 mm, and 15 W interior					
	120 V option model	•	–	–	–	8012-1059
	230 V option model	•	–	–	–	8012-1058
	viewing window (triple insulating glass) in door, 300 x 480 mm, and 30 W interior					
	400 V option model	–	–	–	•	8012-1830
	viewing window (triple insulating glass) in door, 370 x 370 mm, and 15 W interior					
	120 V option model	–	•	–	–	8012-1063
	230 V option model	–	•	–	–	8012-1060
	230 V option model	–	–	•	–	8012-1064
	240 V option model	–	–	•	–	8012-1065

ORDERING INFORMATION ACCESSORIES

Designation	Description	ED 56	ED 115	ED 260	ED 720	Art. No.
APT-COM™ 4 BA-SIC-Edition	for simple logging and documentation requirements with up to 5 networked units.					
	version 4, BASIC edition	•	•	•	•	9053-0039

Designation	Description	ED 56	ED 115	ED 260	ED 720	Art. No.
APT-COM™ 4 GLP-Edition	for working under GLP-compliant conditions. Measured values are documented in a tamper-proof way in line with the requirements of FDA Regulation 21 CFR 11.					
	version 4, GLP edition	•	•	•	•	9053-0042
APT-COM™ 4 PROFESSIONAL-Edition	convenient unit and user management built on the BASIC edition. Suitable for networking up to 100 units.					
	version 4, PROFESSIONAL edition	•	•	•	•	9053-0040
Ethernet interface	for Multi Management Software APT-COM™	•	•	•	–	8012-1645
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	•	•	•	•	8012-2250
Qualification documents	IQ/OQ documents – supporting documents for validation performed by customers, consisting of: IQ/OQ checklists incl. calibration guide and comprehensive unit documentation; parameters: temperature, CO ₂ , O ₂ , pressure, depending on unit					
	Digital in PDF format	•	•	•	•	7057-0001
	Hard copy inside folder	•	•	•	•	7007-0001
	IQ/OQ/PQ documents – supporting documents for validation performed by customers, according to customer requirements, PQ section added to qualification folder IQ/OQ; parameters: temperature, CO ₂ , O ₂ – or pressure, depending on unit					
	Digital in PDF format	•	•	•	•	7057-0005
	Hard copy inside folder	•	•	•	•	7007-0005
Rack		•	–	–	–	8012-2039
	chrome plated	–	•	–	–	8012-2041
		–	–	•	–	8012-2043
		–	–	–	•	8012-2045
		•	–	–	–	8012-2171
		–	•	–	–	8012-2172
	stainless steel	–	–	•	–	8012-2173
		–	–	–	•	8012-2174
		–	–	•	–	8012-2187
		–	–	–	•	8012-2186
Rubber pads	set anti-slip feet	•	•	•	–	8012-2030
Shelf, perforated		•	–	–	–	8012-2179
	Stainless steel	–	•	–	–	8012-2180
		–	–	•	–	8012-2181
		–	–	–	•	8012-2182
		•	•	–	–	9051-0018
Table on castors	stable cart, casters with locking brakes, dimensions: W 1,000 x D 800 x H 780 mm	•	•	–	–	9051-0018
	stable cart, casters with locking brakes, dimensions: W 1,300 x D 800 x H 780 mm	–	–	•	–	9051-0019