

Model ED 56 | Drying and heating chambers Avantgarde.Line with natural convection

BENEFITS

- Excellent temporal and spatial temperature accuracy
- High energy efficiency
- USB connection for recording data
- Temperature range up to 300 °C



Model 56



Model 56

MAIN FEATURES

- Temperature range: ambient temperature plus 15 °C to 300 °C
- 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
- Stackable
- Class 2 independent temperature safety device (DIN 12880) with visual temperature alarm
- Ergonomic handle design
- USB port for recording data

ORDERING INFORMATION

Interior volume [L]	Voltage	Option model	Version	Art.-No.
Model ED 56				
57	230 V 1~ 50/60 Hz	Standard	ED056-230V	9010-0333
	120 V 1~ 60 Hz	Standard	ED056UL-120V	9010-0334

TECHNICAL DATA

Description	ED056-230V	ED056UL-120V
Article Number	9010-0333	9010-0334
Performance Data Temperature		
Temperature range 15 °C above ambient temperature to [°C]	300	300
Temperature uniformity at 150 °C [± K]	2.5	2.5
Temperature fluctuation at 150 °C [± K]	0.4	0.4
Heating-up time to 150 °C [min]	45	45
Recovery time after 30 seconds door open at 150 °C [min]	25	25

Description	ED056-230V	ED056UL-120V
Article Number	9010-0333	9010-0334
Electrical data		
Rated Voltage [V]	230	120
Power frequency [Hz]	50/60	60
Nominal power [kW]	1.05	1.05
Unit fuse [A]	6.3	12.5
Phase (Nominal voltage)	1~	1~
Measures - Outer dimensions		
Width net [mm]	560	560
Height net [mm]	625	625
Depth net [mm]	565	565
Wall clearance back [mm]	160	160
Wall clearance sidewise [mm]	100	100
Measures - Doors		
Unit doors	1	1
Measures - Internal Dimensions		
Width [mm]	360	360
Height [mm]	420	420
Depth [mm]	380	380
Measures		
Interior volume [L]	57	57
Net weight of the unit (empty) [kg]	39	39
Load per rack [kg]	15	15
Environment-specific data		
Energy consumption at 150 °C	180 Wh/h	180 Wh/h

OPTIONS AND ACCESSORIES

Designation	Description	*	Art.-No.
Access port with silicone plug	10 mm, back	01	8012-0390
	10 mm, left	01	8012-0388
	10 mm, right	01	8012-0387
	10 mm, top	01	8012-0386
	30 mm, back	01	8012-0540
	30 mm, left	01	8012-1018
	30 mm, right	01	8012-1017
	30 mm, top	01	8012-0539
	50 mm, back	01	8012-0546
	50 mm, left	01	8012-1022
	50 mm, right	01	8012-1021
	50 mm, top	01	8012-0545
	100 mm, top	01, 10	8012-1029
Calibration certificate, expanded	each measurement at additional measuring point or testing temperature	–	8012-0022
Calibration certificate, temperature	for temperature, measurement in center of chamber at specified temperature	–	8012-0030
	temperature measurement incl. certificate and 27 measuring points at specified temperature	–	8012-0921
	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	–	8012-0918
	temperature measurement incl. certificate, 9 measuring points at specified temperature	–	8012-0915
Cart	stable cart, casters with locking brakes	–	9051-0018

* Notes › See last page

Data Sheet Model ED 56

Designation	Description	*	Art.-No.
Class 3.1 independent temperature safety device	with visual alarm (DIN 12880)	04, 12	8012-0985
Clock, battery-backed	Real-time clock	–	8012-0981
Data Logger Kit	T 350: temperature logging from 0 °C to 350 °C	19	8012-0714
Data Logger Kit, software	LOG ANALYZE software kit, configuration and evaluation software for all BINDER Data Logger Kits (incl. USB data cable)	19	8012-0821
Door gasket	made of FKM, silicone-free	03	8012-1008
Door lock	lockable door handle	–	8012-1025
Ethernet interface	for communication software	–	8012-0986
Instrument tray	large	–	4022-0124
	small	–	4022-0123
Interior lighting	with 1x 15 W (not available in combination with interior socket)		
	120 V option model	–	8012-0971
	230 V option model	–	8012-0969
Measurement of air exchange rate	in accordance with ASTM D5374, definition and protocol according to ambient temperature	–	8012-0195
Overheating alarm	audible, can be switched off, adjustable limit on the independent temperature safety device	–	8012-0979
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	–	1002-0016
Rack	chrome plated	–	6004-0174
	stainless steel	–	6004-0158
Rubber pads	set of 4 anti-slip feet, for safe stacking of unit	10	8012-0001
Shelf, perforated	stainless steel	–	6004-0190
Software	APT-COM™ communications software		
	version 2 to 3, GLP edition	19	9053-0016
	version 3, BASIC edition	19	9053-0014
	version 3, GLP edition	19	9053-0015
	version 3, STANDARD edition	19	9053-0013
	APT-COM™ communications software, price: for free		
	version 3, GLP DEMO Edition	19	9053-0008
Viewing window	viewing window in door	–	8012-0973

* Notes › See last page

SERVICES

Designation	Description	*	Art.-No.
Installation services			
Installation	and set up of unit at operating location, connect to existing connections	13, 18	DL100100
Instruction	unit function instructions for operation and programming of the controller	18	DL100400
Preventive maintenance			
Preventive maintenance	Executive of equipment inspection according to maintenance plan	14, 18	DL200200
Calibration services			
Calibration temperature	including certificate, one measuring point in center of chamber at specified temperature	14, 16, 17, 18	DL300101
Measurement of air exchange rate	including certificate (in accordance with ASTM D5374)	14, 16, 17, 18	DL330000
Temperature measurement 18 measuring points	including certificate, 18 measuring points at specified temperature	14, 16, 17, 18	DL300118
Temperature measurement 27 measuring points	including certificate, 27 measuring points at specified temperature	14, 16, 17, 18	DL300127
Temperature measurement 9 measuring points	including certificate, 9 measuring points at specified temperature	14, 16, 17, 18	DL300109

* Notes › See last page

Designation	Description	*	Art.-No.
Validation services			
Execution of IQ/OQ	in accordance with qualification folder	15, 18, 20	DL400100
Execution of IQ/OQ/PQ	in accordance with customer's requirement, price: on request	15, 18	DL440500
Qualification folder IQ/OQ	supporting documents for validation performed by customer, consisting of: IQ/OQ checklists, unit schematics, QM certificate in accordance with ISO 9001	15, 18, 20	8012-0761
Qualification folder IQ/OQ/PQ	supporting documents for validation performed by customer, in accordance with customer's requirement, extension of Qualification folder IQ/OQ by chapter PQ	15, 18	8012-0942
Warranty service			
Extension of the warranty from 2 to 3 years	beginning with the date of delivery, wearing parts are not included	–	DLo02041
Extension of the warranty from 2 to 5 years	beginning with the date of delivery, wearing parts are not included	–	DLo02042

* Notes › See last page