

Термошкафы CARL ROTH ED, UN, UNplus, UF, UFplus, OGS, OMS, OGH, OMH, ED, FD, FED

Технические характеристики

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
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Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
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Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тургут (3462)77-98-35
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия (495)268-04-70

Казахстан (772)734-952-31

Киргизия (996)312-96-26-47



Drying and heating cabinets

Drying cabinet Solid.Line

Binder.

- APT.line™ pre-heating chamber technology
- Adjustable exhaust air flap
- Controller with timer function (1 min to 99 h)
- Integrated Class 2 temperature limiter (DIN 12880) with visual alarm



Technical specifications:

Art. No.	KCT9.1	KCX1.1	KCX0.1	KCX2.1
Type	ED-S 056	ED-S 115	FD-S 056	FD-S 115
Operating temperature	From +7 °C above room temperature to 250 °C		From +10 °C above room temperature to 250 °C	
Vol.	62 l	118 l	55 l	106 l
Inner width	400 mm	550 mm	400 mm	550 mm
Inner height	440 mm	550 mm	440 mm	550 mm
Inner depth	350 mm	390 mm	310 mm	350 mm
Outer width	614 mm	764 mm	614 mm	764 mm
Outer height	625 mm	735 mm	625 mm	735 mm
Outer depth	580 mm	630 mm	580 mm	630 mm
Max. removable shelves	4	5	4	5
Temporal temp. variance	±0,8 °C		±0,5 °C	
Spatial temp. deviation	±2,8 °C		±2,6 °C	
Weight	41 kg	57 kg	41 kg	57 kg
Mains connection	230 V, 50 Hz			

Delivery incl. 1 chrome-plated insertable grate.

Models: ED-S with natural air circulation

- With natural air circulation (convection)
- **Operating temperature range from +7 °C above room temperature to 250 °C**

Type	Vol. (l)	Art. No.	Pack Qty.	
ED-S 056	62	KCT9.1	1 unit(s)	
ED-S 115	118	KCX1.1	1 unit(s)	

Models: FD-S with ventilation

- With ventilation (fan speed cannot be regulated or switched off)
- **Operating temperature range from +10 °C above room temperature to 250 °C**

Type	Vol. (l)	Art. No.	Pack Qty.	
FD-S 056	55	KCX0.1	1 unit(s)	
FD-S 115	106	KCX2.1	1 unit(s)	

Drying and heating cabinets

Drying cabinet

Memmert.

Models: UN, UNplus, UF and UFplus

General features:

- Stainless steel interior (1.4301)
- Fully insulated stainless steel door (two-wing from size 450 upwards)
- Fresh air supply by electronically adjustable exhaust air flap
- Textured stainless steel housing
- Model sizes 450 and 750 with moveable and lockable rollers
- Interior depth minus 39 mm for devices with forced air circulation
- Depth plus door handle 56 mm
- Incl. factory calibration certificate valid for +160 °C
- Power supply for models 30 to 260: 230 V, 50/60 Hz, power supply for models 450 and 750: 400 V and 3 x 220 V, n/a 50/60 Hz



Other features:

- German, English, French and Spanish language options
- Digital timer (adjustable from 1 min to 99 d, 23 h) or continuous operation
- "SetpointWAIT" function – process time does not start until the target temperature is reached

Delivery incl. stainless steel grating (models 30 and 55: 1 grate, models 75 to 750: 2 grates). Please note: Additional transport costs apply for delivery to the place of use. We will be happy to inform you of these on request.

Models: UN with natural air circulation (convection)

- **Operating temperature range from 5 °C above room temperature to 300 °C**
Setting temperature from 20 to 300 °C
Setting accuracy up to 99.9 °C: 0.1 K, from 100 °C: 0.5
- Graphical single TFT display with touch screen for operation and displaying temperature, program runtime and air flap position
- Integrated data logger with 10-year memory
- With Ethernet communication port for reading out log data
- Protection against overheating

Technical specifications:

Art. No.	TX98.1	TX99.1	TY00.1	TY01.1	TY02.1	TY03.1	TY04.1	TY05.1
Type	UN 30	UN 55	UN 75	UN 110	UN 160	UN 260	UN 450	UN 750
Operating temperature	From 5 °C above room temperature to 300 °C							
Vol.	32 l	53 l	74 l	108 l	161 l	256 l	449 l	749 l
Inner width	400 mm			560 mm		640 mm	1,040 mm	
Inner height	320 mm	400 mm	560 mm	480 mm	720 mm	800 mm	720 mm	1,200 mm
Inner depth	250 mm	330 mm		400 mm		500 mm	600 mm	
Outer width	585 mm			745 mm		824 mm	1,224 mm	
Outer height	707 mm	787 mm	947 mm	867 mm	1,107 mm	1,186 mm	1,247 mm	1,726 mm
Outer depth	434 mm	541 mm		584 mm		684 mm	784 mm	
Max. removable shelves	3	4	6	5	8	9	8	14
Power consumption	1,600 W	2,000 W	2,500 W	2,800 W	3,200 W	3,400 W	5,800 W	7,000 W
Temporal temp. variance	<±0,5 °C							
Spatial temp. deviation	<±2,7 °C							
Weight	44 kg	55 kg	65 kg	74 kg	96 kg	110 kg	170 kg	215 kg
Mains connection	230 V, 50/60 Hz						400 V, 3 phases, 50 Hz	

Type	Vol. (l)	Art. No.	Pack Qty.
UN 30	32	TX98.1	1 unit(s)
UN 55	53	TX99.1	1 unit(s)
UN 75	74	TY00.1	1 unit(s)
UN 110	108	TY01.1	1 unit(s)
UN 160	161	TY02.1	1 unit(s)
UN 260	256	TY03.1	1 unit(s)
UN 450	449	TY04.1	1 unit(s)
UN 750	749	TY05.1	1 unit(s)



Drying and heating cabinets

Models: UF with forced air circulation (fan)

- **Operating temperature range from 10 °C above room temperature to 300 °C**
Setting temperature from 20 to 300 °C
Setting accuracy up to 99.9 °C: 0.1 K, from 100 °C: 0.5
- Graphical single TFT display with touch screen for operation and displaying temperature, program runtime and air flap position
- Integrated data logger with 10-year memory
- With Ethernet communication port for reading out log data
- Protection against overheating
- Quiet air turbine for air circulation mode (air turbine can be controlled and switched off)

Technical specifications:

Art. No.	TY06.1	TY07.1	TY08.1	TY09.1	TY10.1	TY11.1	TY12.1	TY13.1
Type	UF 30	UF 55	UF 75	UF 110	UF 160	UF 260	UF 450	UF 750
Operating temperature	From 10 °C above room temperature to 300 °C							
Vol.	32 l	53 l	74 l	108 l	161 l	256 l	449 l	
Inner width	400 mm			560 mm		640 mm	1,040 mm	
Inner height	320 mm	400 mm	560 mm	480 mm	720 mm	800 mm	720 mm	1,200 mm
Inner depth	250 mm	330 mm		400 mm		500 mm	600 mm	
Outer width	585 mm			745 mm		824 mm	1,224 mm	
Outer height	707 mm	787 mm	947 mm	867 mm	1,107 mm	1,186 mm	1,247 mm	1,726 mm
Outer depth	434 mm	541 mm		584 mm		684 mm	784 mm	
Max. removable shelves	3	4	6	5	8	9	8	14
Power consumption	1,600 W	2,000 W	2,500 W	2,800 W	3,200 W	3,400 W	5,800 W	7,000 W
Temporal temp. variance	<±0,5 °C							
Spatial temp. deviation	<±2,7 °C							
Weight	44 kg	55 kg	65 kg	74 kg	96 kg	110 kg	170 kg	215 kg
Mains connection	230 V, 50/60 Hz						400 V, 3 phases, 50 Hz	

Type	Vol. (l)	Art. No.	Pack Qty.	
UF 30	32	TY06.1	1 unit(s)	
UF 55	53	TY07.1	1 unit(s)	
UF 75	74	TY08.1	1 unit(s)	
UF 110	108	TY09.1	1 unit(s)	
UF 160	161	TY10.1	1 unit(s)	
UF 260	256	TY11.1	1 unit(s)	
UF 450	449	TY12.1	1 unit(s)	
UF 750	449	TY13.1	1 unit(s)	

Drying and heating cabinets

Models: UNplus with natural air circulation (convection)

- **Operating temperature range from 5 °C above room temperature to 300 °C**
Setting temperature from 20 to 300 °C
Setting accuracy up to 99.9 °C: 0.1 K, from 100 °C: 0.5
- Two graphical TFT displays with touchscreen for operation and displaying temperature, program runtime, air damper position and graphical display of programme flow
- Integrated data logger with 10-year memory
- **Display of recorded log data (max. 10,000 values correspond to approx. 1 week) directly on the device**
- Application-specific correction of the heat output distribution between the upper and lower heating groups within an adjustment range from -50 % to +50 %
- With Ethernet communication port for reading out log data as well as for transmitting and launching programs and online logging
- Definition of individual min./max. values for protection against excessive/insufficient temperatures
- **USB port for installing programs and reading out the data logger incl. software (to create ramp programs and weekly programs)**

Technical specifications:

Art. No.	TY14.1	TY15.1	TY16.1	TY17.1	TY18.1	TY19.1	TY20.1	TY21.1
Type	UNplus 30	UNplus 55	UNplus 75	UNplus 110	UNplus 160	UNplus 260	UNplus 450	UNplus 750
Operating temperature	From 5 °C above room temperature to 300 °C							
Vol.	32 l	53 l	74 l	108 l	161 l	256 l	449 l	749 l
Inner width	400 mm			560 mm		640 mm	1,040 mm	
Inner height	320 mm	400 mm	560 mm	480 mm	720 mm	800 mm	720 mm	1,200 mm
Inner depth	250 mm	330 mm		400 mm		500 mm	600 mm	
Outer width	585 mm			745 mm		824 mm	1,224 mm	
Outer height	707 mm	787 mm	947 mm	867 mm	1,107 mm	1,186 mm	1,247 mm	1,726 mm
Outer depth	434 mm	541 mm		584 mm		684 mm	784 mm	
Max. removable shelves	3	4	6	5	8	9	8	14
Power consumption	1,600 W	2,000 W	2,500 W	2,800 W	3,200 W	3,400 W	5,800 W	7,000 W
Temporal temp. variance	<±0,25 °C							
Spatial temp. deviation	<±2,2 °C							
Weight	44 kg	55 kg	65 kg	74 kg	96 kg	110 kg	170 kg	215 kg
Mains connection	230 V, 50/60 Hz						400 V, 3 phases, 50 Hz	

Type	Vol. (l)	Art. No.	Pack Qty.	
UNplus 30	32	TY14.1	1 unit(s)	
UNplus 55	53	TY15.1	1 unit(s)	
UNplus 75	74	TY16.1	1 unit(s)	
UNplus 110	108	TY17.1	1 unit(s)	
UNplus 160	161	TY18.1	1 unit(s)	
UNplus 260	256	TY19.1	1 unit(s)	
UNplus 450	449	TY20.1	1 unit(s)	
UNplus 750	749	TY21.1	1 unit(s)	



Drying and heating cabinets

Models: UFplus with forced air circulation (fan)

- **Operating temperature range from 10 °C above room temperature to 300 °C**
Setting temperature from 20 to 300 °C
Setting accuracy up to 99.9 °C: 0.1 K, from 100 °C: 0.5
- Two graphical TFT displays with touchscreen for operation and displaying temperature, program runtime, air damper position and graphical display of programme flow
- Integrated data logger with 10-year memory
- **Display of recorded log data (max. 10,000 values correspond to approx. 1 week) directly on the device**
- Application-specific correction of the heat output distribution between the upper and lower heating groups within an adjustment range from -50 % to +50 %
- With Ethernet communication port for reading out log data as well as for transmitting and launching programs and online logging
- Definition of individual min./max. values for protection against excessive/insufficient temperatures
- **USB port for installing programs and reading out the data logger incl. software (to create ramp programs and weekly programs)**
- Quiet air turbine for air circulation mode (air turbine can be controlled and switched off)

Technical specifications:

Art. No.	TY22.1	TY23.1	TY24.1	TY25.1	TY26.1	TY27.1	TY28.1	TY29.1
Type	UFplus 30	UFplus 55	UFplus 75	UFplus 110	UFplus 160	UFplus 260	UFplus 450	UFplus 750
Operating temperature	From 10 °C above room temperature to 300 °C							
Vol.	32 l	53 l	74 l	108 l	161 l	256 l	449 l	749 l
Inner width	400 mm			560 mm		640 mm	1,040 mm	
Inner height	320 mm	400 mm	560 mm	480 mm	720 mm	800 mm	720 mm	1,200 mm
Inner depth	250 mm	330 mm		400 mm		500 mm	600 mm	
Outer width	585 mm			745 mm		824 mm	1,224 mm	
Outer height	707 mm	787 mm	947 mm	867 mm	1,107 mm	1,186 mm	1,247 mm	1,726 mm
Outer depth	434 mm	541 mm		584 mm		684 mm	784 mm	
Max. removable shelves	3	4	6	5	8	9	8	14
Power consumption	1,600 W	2,000 W	2,500 W	2,800 W	3,200 W	3,400 W	5,800 W	7,000 W
Temporal temp. variance	<±0,25 °C							
Spatial temp. deviation	<±2,2 °C							
Weight	44 kg	55 kg	65 kg	74 kg	96 kg	110 kg	170 kg	215 kg
Mains connection	230 V, 50/60 Hz						400 V, 3 phases, 50 Hz	

Type	Vol. (l)	Art. No.	Pack Qty.	
UFplus 30	32	TY22.1	1 unit(s)	
UFplus 55	53	TY23.1	1 unit(s)	
UFplus 75	74	TY24.1	1 unit(s)	
UFplus 110	108	TY25.1	1 unit(s)	
UFplus 160	161	TY26.1	1 unit(s)	
UFplus 260	256	TY27.1	1 unit(s)	
UFplus 450	449	TY28.1	1 unit(s)	
UFplus 750	749	TY29.1	1 unit(s)	

Drying and heating cabinets



Drying cabinet Heratherm™ protocol series

Thermo.

General features:

- Smooth inner housing and round edges make it easy to clean
- Automatic overheating alarm
- Microprocessor control
- Setting accuracy ± 1 K
- RS 232 port
- **Natural convection** for gentle drying and heating with low air turbulence (e.g. powder or film) or **air circulating mode** for rapid drying and heating
- Depth of handle and display (65 mm) not included in depth; adjustable feet (35 mm) not included in height
- Mains connection 230 V, 50 Hz

Delivery incl. 2 removable shelves. Please note: Additional transport costs apply for delivery to the place of use. We will be happy to inform you of these on request.

General Protocol with natural convection

- **Temperature range: 50 to 250 °C**
- Stainless steel interior (1.4016)
- Integrated timer (1 min to 99 h, 59 min)
- Actual temperature display

Technical specifications:

Art. No.	PL56.1	PL57.1	PL58.1
Type	OGS60	OGS100	OGS180
Operating temperature	50 to 250 °C		
Vol.	65 l	105 l	176 l
Inner width	328 mm	438 mm	
Inner height	480 mm	580 mm	680 mm
Inner depth	415 mm	414 mm	589 mm
Outer width	530 mm	640 mm	
Outer height	720 mm	820 mm	920 mm
Outer depth	565 mm		738 mm
Max. removable shelves	13	16	19
Rated power	1,800 W	3,100 W	
Temporal temp. variance	$\pm 0,4$ °C		
Spatial temp. deviation	$\pm 4,4$ °C	$\pm 4,0$ °C	
Weight	42 kg	53 kg	66 kg
Mains connection	230 V, 50 Hz		

Type	Vol. (l)	Art. No.	Pack Qty.
OGS60	65	PL56.1	1 unit(s)
OGS100	105	PL57.1	1 unit(s)
OGS180	176	PL58.1	1 unit(s)

General Protocol with air-circulation fan

- **Temperature range: 50 to 250 °C**
- Stainless steel interior (1.4016)
- Integrated timer (1 min to 99 h, 59 min)
- Actual temperature display
- Air-circulation fan: Air turbine cannot be adjusted or switched off

Technical specifications:

Art. No.	PL59.1	PL60.1	PL61.1
Type	OMS60	OMS100	OMS180
Operating temperature	50 to 250 °C		
Vol.	66 l	104 l	179 l
Inner width	354 mm	464 mm	
Inner height	508 mm	608 mm	708 mm
Inner depth	368 mm		543 mm
Outer width	530 mm	640 mm	
Outer height	720 mm	820 mm	920 mm
Outer depth	565 mm		738 mm
Max. removable shelves	13	16	19
Rated power	1,400 W	3,060 W	
Temporal temp. variance	$\pm 0,3$ °C		
Spatial temp. deviation	$\pm 2,8$ °C	$\pm 2,5$ °C	$\pm 2,8$ °C
Weight	42 kg	53 kg	66 kg
Mains connection	230 V, 50 Hz		

Type	Vol. (l)	Art. No.	Pack Qty.
OMS60	66	PL59.1	1 unit(s)
OMS100	104	PL60.1	1 unit(s)
OMS180	179	PL61.1	1 unit(s)

Advanced Protocol with natural convection

- **Temperature range: 50 to 330 °C**
- Stainless steel interior (1.4301)
- Switch on/off after a preset time
- Weekly time setting or real-time control
- Programmable control for temperature ramps and dwell times (memory for 10 programs each with 10 individual steps)
- Bushing ($\varnothing$ 19 mm) at the back enables sensors to be inserted, e.g. for independent data monitoring
- With varnished outer housing

Technical specifications:

Art. No.	PL62.1	PL63.1	PL64.1
Type	OGH60	OGH100	OGH180
Operating temperature	50 to 330 °C		
Vol.	61 l	99 l	168 l
Inner width	328 mm	438 mm	
Inner height	480 mm	580 mm	680 mm
Inner depth	389 mm		564 mm
Outer width	530 mm	640 mm	
Outer height	720 mm	820 mm	920 mm
Outer depth	565 mm		738 mm
Max. removable shelves	13	16	19
Rated power	1,800 W	3,100 W	
Temporal temp. variance	$\pm 0,3$ °C		
Spatial temp. deviation	$\pm 2,5$ °C	$\pm 3,0$ °C	$\pm 2,5$ °C
Weight	44 kg	55 kg	69 kg
Mains connection	230 V, 50 Hz		

Type	Vol. (l)	Art. No.	Pack Qty.
OGH60	61	PL62.1	1 unit(s)
OGH100	99	PL63.1	1 unit(s)
OGH180	168	PL64.1	1 unit(s)



Drying and heating cabinets

Advanced Protocol with air-circulation fan

- **Temperature range: 50 to 330 °C**
- Stainless steel interior (1.4301)
- Switch on/off after a preset time
- Weekly time setting or real-time control
- Programmable control for temperature ramps and dwell times (memory for 10 programs each with 10 individual steps)
- Bushing (Ø 19 mm) at the back enables sensors to be inserted, e.g. for independent data monitoring
- With varnished outer housing
- Air-circulation fan: Controllable fan speed for application-specific air flow rates (cannot be switched off completely)

Technical specifications:

Art. No.	PL65.1	PL66.1	PL67.1
Type	OMH60	OMH100	OMH180
Operating temperature	50 to 330 °C		
Vol.	62 l	97 l	170 l
Inner width	354 mm	464 mm	
Inner height	508 mm	608 mm	708 mm
Inner depth	343 mm		518 mm
Outer width	530 mm	640 mm	
Outer height	720 mm	820 mm	920 mm
Outer depth	565 mm		738 mm
Max. removable shelves	13	16	19
Rated power	1,400 W	3,060 W	
Temporal temp. variance	±0,2 °C		
Spatial temp. deviation	±1,8 °C	±1,3 °C	±1,8 °C
Weight	44 kg	55 kg	69 kg
Mains connection	230 V, 50 Hz		

Type	Vol. (l)	Art. No.	Pack Qty.	
OMH60	62	PL65.1	1 unit(s)	
OMH100	97	PL66.1	1 unit(s)	
OMH180	170	PL67.1	1 unit(s)	

Accessories removable shelf kit for Heratherm™ drying cabinets

Thermo.

Removable shelf kit: 1 removable shelf with 2 mounting clips

Suitable for	Art. No.	Pack Qty.	
OGS60, OGH60	PL68.1	1 unit(s)	
OGS100, OGH100	PL69.1	1 unit(s)	
OGS180, OGH180	PL70.1	1 unit(s)	
OMS60, OMH60	PL71.1	1 unit(s)	
OMS100, OMH100	PL72.1	1 unit(s)	
OMS180, OMH180	PL73.1	1 unit(s)	

Drying and heating cabinets

Drying cabinet

Binder.

- **Operating temperature from 15 °C above room temperature to 300 °C**
Setting temperature from 30 to 300 °C; setting accuracy: ± 1 °C
- Adjustable air exchange and rear exhaust air pipe $\varnothing$ 50 mm
- Models with volumes of 400 l or more come with a double-leaf door
- With integrated timer with range from 0 to 99 h
- **Power supply for models 23 to 260: 230 V, 50/60 Hz**
Power supply for models 400 and 720: 400 V, 50/60 Hz. 3 N ~



Delivery incl. 2 chrome-plated grates.

Models: ED with natural convection

With natural air circulation (convection).

Additional USB port for recording data with models ED 56, ED 115 and ED 260.

Technical specifications:

Art. No.	CKA5.1	CKA6.1	CKA7.1	CKA8.1	CKA9.1	CKC0.1
Type	ED 23	ED 56	ED 115	ED 260	ED 400	ED 720
Operating temperature	From +15 °C above room temperature to +300 °C					
Vol.	20 l	57 l	114 l	255 l	400 l	743 l
Inner width	222 mm	360 mm	510 mm	610 mm	1,000 mm	960 mm
Inner height	330 mm	420 mm	530 mm	760 mm	800 mm	1,280 mm
Inner depth	300 mm	380 mm	425 mm	550 mm	520 mm	605 mm
Outer width	435 mm	560 mm	710 mm	810 mm	1,235 mm	1,165 mm
Outer height	495 mm	625 mm	735 mm	965 mm	1,025 mm	1,590 mm
Outer depth	620 mm	640 mm	680 mm	815 mm	860 mm	910 mm
Max. removable shelves	3	4	5	7	10	15
Rated power	800 W	1,050 W	1,250 W	2,250 W	3,400 W	5,000 W
Temporal temp. variance	$\pm 0,5$ °C	$\pm 0,4$ °C		$\pm 0,8$ °C	$\pm 0,5$ °C	
Spatial temp. deviation	$\pm 2,8$ °C	$\pm 2,3$ °C	$\pm 1,5$ °C	$\pm 1,8$ °C	$\pm 3,0$ °C	$\pm 3,6$ °C
Weight	27 kg	39 kg	54 kg	85 kg	125 kg	161 kg
Mains connection	230 V, 50/60 Hz			400 V, 50/60 Hz		

Type	Vol. (l)	Art. No.	Pack Qty.
ED 23	20	CKA5.1	1 unit(s)
ED 56	57	CKA6.1	1 unit(s)
ED 115	114	CKA7.1	1 unit(s)
ED 260	255	CKA8.1	1 unit(s)
ED 400	400	CKA9.1	1 unit(s)
ED 720	743	CKC0.1	1 unit(s)

Models: FD with ventilator

With forced air circulation (fan).

Fan speed cannot be controlled or switched off.

Additional USB port for recording data with models FD 56, FD 115 and FD 260.

Technical specifications:

Art. No.	CKC1.1	CKC2.1	CKC3.1	CKC4.1
Type	FD 23	FD 56	FD 115	FD 260
Operating temperature	From +15 °C above room temperature to +300 °C			
Vol.	20 l	60 l	116 l	259 l
Inner width	222 mm	400 mm	550 mm	650 mm
Inner height	330 mm	440 mm	550 mm	780 mm
Inner depth	300 mm	345 mm	385 mm	515 mm
Outer width	435 mm	560 mm	710 mm	810 mm
Outer height	495 mm	625 mm	735 mm	965 mm
Outer depth	605 mm	640 mm	680 mm	815 mm
Max. removable shelves	3	4	5	7
Rated power	800 W	1,100 W	1,300 W	2,300 W
Temporal temp. variance	$\pm 0,3$ °C			$\pm 0,4$ °C
Spatial temp. deviation	$\pm 2,5$ °C	$\pm 1,7$ °C		$\pm 1,9$ °C
Weight	27 kg	39 kg	54 kg	85 kg
Mains connection	230 V, 50/60 Hz			

Type	Vol. (l)	Art. No.	Pack Qty.
FD 23	20	CKC1.1	1 unit(s)
FD 56	60	CKC2.1	1 unit(s)



Drying and heating cabinets

Type	Vol. (l)	Art. No.	Pack Qty.	
FD 115	116	CKC3.1	1 unit(s)	
FD 260	259	CKC4.1	1 unit(s)	

Models: FED with ventilator

With forced air circulation (fan).

- Adjustable fan speed (min. speed 30 %)
- 1 programmable temperature ramp
- RS 422 interface
- Timer function selection:
 - The heater is switched off when the set time expires
 - The set time does not start until the actual value equals the selected target value. The heater is switched off when the time expires.
 - The heater is switched on after the set time expires and remains in continuous operation
- Additional USB port for recording data with models FED 56, FED 115 and FED 260.

Technical specifications:

Art. No.	CKC5.1	CKC6.1	CKC7.1	CKC8.1	CKC9.1
Type	FED 56	FED 115	FED 260	FED 400	FED 720
Operating temperature	From +15 °C above room temperature to +300 °C				
Vol.	60 l	116 l	259 l	400 l	741 l
Inner width	400 mm	550 mm	650 mm	1,000 mm	
Inner height	440 mm	550 mm	780 mm	800 mm	1,200 mm
Inner depth	345 mm	385 mm	515 mm	510 mm	610 mm
Outer width	560 mm	710 mm	810 mm	1,235 mm	1,165 mm
Outer height	625 mm	735 mm	965 mm	1,025 mm	1,590 mm
Outer depth	640 mm	680 mm	815 mm	875 mm	910 mm
Max. removable shelves	4	5	7	10	15
Rated power	1,100 W	1,300 W	2,300 W	3,400 W	5,000 W
Temporal temp. variance	±0,3 °C		±0,4 °C	±0,7 °C	±0,3 °C
Spatial temp. deviation	±1,4 °C	±1,2 °C	±1,6 °C	±3,8 °C	±3,0 °C
Weight	39 kg	54 kg	85 kg	145 kg	162 kg
Mains connection	230 V, 50/60 Hz			400 V, 50/60 Hz	

Type	Vol. (l)	Art. No.	Pack Qty.	
FED 56	60	CKC5.1	1 unit(s)	
FED 115	116	CKC6.1	1 unit(s)	
FED 260	259	CKC7.1	1 unit(s)	
FED 400	400	CKC8.1	1 unit(s)	
FED 720	741	CKC9.1	1 unit(s)	

Accessories grate for incubators and drying ovens for the BD, BF, ED, FD and FED series

Binder.

Grids, chrome plated

Suitable for	Art. No.	Pack Qty.	
for BD 23, ED 23 and FD 23	CKE0.1	1 unit(s)	
for BD 56 and ED 56	CKE1.1	1 unit(s)	
for BF 56, FD 56 and FED 56	ECY1.1	1 unit(s)	
for BD 115 and ED 115	CKE2.1	1 unit(s)	
for BF 115, FD 115 and FED 115	ECY2.1	1 unit(s)	
for BD 260 and ED 260	CKE3.1	1 unit(s)	
for BF 260, FD 260 and FED 260	ECY3.1	1 unit(s)	
for BD 400, BF 400, ED 400 and FED 400	CKE4.1	1 unit(s)	
for BD 720 and ED 720	CKE5.1	1 unit(s)	
for BF 720 and FED 720	HPA7.1	1 unit(s)	

Drying and heating cabinets



High-capacity drying cabinet Heratherm™

Thermo.

General features:

- Free-standing devices with fixed rollers
- Stainless steel interior
- RS 232 port
- Mains connection 230 V, 50 Hz
- Not including depth of handle and display (65 mm) and height of rollers (108 mm); required clearance to rear panel 120 mm

Technical specifications:

Art. No.	XH32.1	XH33.1	XH34.1	XH35.1
Type	OGS400	OGS750	OMH400	OMH750
Operating temperature	From +10 °C above room temperature to +250 °C			
Vol.	419 l	774 l	396 l	731 l
Inner width	544 mm	1,004 mm	544 mm	1,004 mm
Inner height	1,307 mm		1,335 mm	
Inner depth	590 mm		545 mm	
Outer width	778 mm	1,261 mm	778 mm	1,261 mm
Outer height	1,545 mm			
Outer depth	770 mm			
Max. removable shelves	39			
Rated power	2,400 W	3,000 W	2,400 W	3,000 W
Temporal temp. variance	±0,5 °C		±0,3 °C	±0,4 °C
Spatial temp. deviation	±3,0 °C	±3,7 °C	±2,1 °C	±3,1 °C
Weight	136 kg	182 kg	135 kg	185 kg
Mains connection	230 V, 50 Hz			

Delivery incl. 2 removable shelves. Please note: Additional transport costs apply for delivery to the place of use. We will be happy to inform you of these on request.

General Protocol with natural air circulation

- **Operating temperature range from 10 °C above room temperature to 250 °C**
- With natural convection
- Integrated timer (1 min to 99 h, 59 min)
- Actual temperature display; setting accuracy ±1 K

Type	Vol. (l)	Art. No.	Pack Qty.
OGS400	419	XH32.1	1 unit(s)
OGS750	774	XH33.1	1 unit(s)

Advanced Protocol with ventilator

- **Operating temperature range from 10° C above room temperature to 250 °C**
- Setting accuracy ±1 K
- Mechanical convection – 2-stage fan: Can run fast or slow, but cannot be switched off
- Cable feedthrough (Ø 19 mm), e.g. for fitting sensors
- An audible alarm sounds if the door is accidentally left open
- Switch on/off after a preset time
- Weekly time setting or real-time control
- Programmable control for temperature ramps and dwell times (memory for 10 programs each with 10 individual steps)

Type	Vol. (l)	Art. No.	Pack Qty.
OMH400	396	XH34.1	1 unit(s)
OMH750	731	XH35.1	1 unit(s)

Accessories removable shelf kit Heratherm™ high-capacity wire drying cabinets

Thermo.

Wire removable shelf kit

1 removable shelf with 2 mounting clips.

Suitable for	Art. No.	Pack Qty.
OGS400, OMH400	XH36.1	1 unit(s)
OGS750, OMH750	XH37.1	1 unit(s)



High-temperature heating cabinet LHT (high-temperature laboratory oven)

Carbolite Gero.

- For maximum temperatures of 400, 500 or 600 °C depending on device type
- Recovery time of just 10 minutes at 400 or 500 °C after the door has been open for 1 min
- Polished stainless steel inner chamber
- Sturdy powder-coated outer housing
- High-performance recirculating air fan in the inner chamber (cannot be regulated)
- Adjustable digital overheating protection
- PID thermostat with digital display (target/actual temperature display)
- Heating rates up to max. temperature:
LHT 4/30 = 50 min
LHT 5/30 = 50 min
LHT 6/30 = 70 min

Technical specifications:

Art. No.	NP16.1	NP17.1	NP18.1
Type	LHT 4/30	LHT 5/30	LHT 6/30
Operating temperature	Up to max. 400 °C	Up to max. 500 °C	Up to max. 600 °C
Vol.	30 l		
Inner width	300 mm		
Inner height	300 mm		
Inner depth	305 mm		
Outer width	830 mm		
Outer height	570 mm		
Outer depth	570 mm		
Max. removable shelves	2		
Rated power	1,000 W	2,000 W	
Temporal temp. variance	±0,5 °C		
Spatial temp. deviation	±5 °C		
Weight	73 kg		
Mains connection	230 V, 50 Hz		

Delivery incl. 2 grates.

Type	Vol. (l)	Art. No.	Pack Qty.
LHT 4/30	30	NP16.1	1 unit(s)
LHT 5/30	30	NP17.1	1 unit(s)
LHT 6/30	30	NP18.1	1 unit(s)

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