

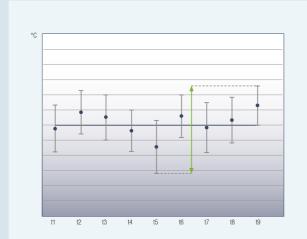
Quality right down to the smallest detail

Liebherr MediLine laboratory refrigerators the ideal solution for a small footprint or for under-worktop integration. The range comprises two freestanding and under-worktop refrigerators with a glass door or a solid door. The precise electronic controller enables temperatures to be set accurately. The dynamic cooling system ensures high temperature consistency. Integrated alarm systems guarantee safe storage.



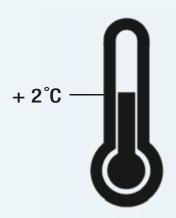
External temperature and alarm documentation.

The laboratory appliances are equipped with a volt-free contact for alarm forwarding to an external remote warning system, as well as with a serial interface RS 485 which enables central documentation of temperature profiles and alarm events. LTM documentation software is optionally available.



Maximum temperature consistency.

The dynamic cooling system in conjunction with the precise electronic controller ensures maximum temperature stability. All laboratory appliances are designed according to the ISO 60068-3 standard with regard to optimum temperature consistency.



Safety thermostat.

The appliances with electronic controllers are equipped with an additional safety thermostat to prevent temperatures dropping below +2°C and to protect sensitive products in the event of a fault.



External temperature sensor.

The laboratory appliances have an access port (diameter 10 mm) on the rear which allows the temperature sensor to be positioned in the interior.



Laboratory refrigerators with electronic controls Total gross/net capacity Exterior dimensions in mm (w/d/h) Interior dimensions in mm (w/d/h) Energy consumption in 365 days 1 Ambient temperature range Refrigerant Sound power level Voltage/Connection rating Cooling system Defrost Set temperature range Gradient*/max. fluctuation ** External cabinet finish Door/lid material Internal liner material Type of control Temperature display Power failure alarm Fault: warning signal Interface/Volt-free alarm contact Interior light Adjustable shelves Usable shelf area in mm (w/d) Shelf material Shelf loading Handle Lock Self-closing door Door hinges Gross/net weight Accessories Shelf, plastic-coated Evaporator cover, white Adjustable legs RS 485/RS 232 adapter, data log software Additional lock barrels (up to 10) Foot pedal opener

LKv 5710	LKv 3913	LKv 3910
MediLine	MediLine	MediLine
583/437 litre	360/344 litre	360/344 litre
747/750/1844	597/615/1840	597/615/1840
634/538/1500	440/435/1635	440/435/1635
438 kWh	480 kWh	309 kWh
+10°C to +35°C	+10°C to +35°C	+10°C to +35°C
R 600a	R 600a	R 600a
52 dB(A)	48 dB(A)	48 dB(A)
220-240V~/1.0 A	220-240V~/1.5 A	220-240V~/1.5 A
forced-air	forced-air	forced-air
automatic	automatic	automatic
+3°C to +16°C	+3°C to +16°C	+3°C to +16°C
3.8°C/3.1°C	5.6°C/4.7°C	4.1°C/3.6°C
steel/white	steel/white	steel/white
steel	glass door	steel
commercial grade moulded polystyrol	commercial grade moulded polystyr	
electronic controller	electronic controller	electronic controller
external digital	external digital	external digital
when mains power return	when mains power return	when mains power return
visual and audible	visual and audible	visual and audible
RS 485/yes	RS 485/yes	RS 485/yes
	LED lighting, with separate switch	
5	5	5
634/518	440/420	440/420
wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated
60 kg	45 kg	45 kg
ergonomic slimline handle	ergonomic slimline handle	ergonomic slimline handle
fitted	fitted	fitted
yes	yes	yes
right, reversible on site	right, reversible on site	right, reversible on site
98/91 kg	88/82 kg	70/65 kg
00701 Ng	007 02 Ng	7 07 00 Ng
7440405	7,100,10	7110010
7113485	7112313	7112313
	9590241	9590241
	9590231	9590231
9590387	9590387	9590387
	on request	on request
9094579		
	9590380	9590380
	333000	333330

Roller bars

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¹ Measured at +25°C ambient temperature and +5°C set temperature
* Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty,

throughout the duration.

** Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.

LKUv 1613



LKUv 1610

LGv 5010



Laboratory refrigerators and
FRATARE with electronic controls

Laboratory refrige: freezers with electronic	
Total gross/net capacity	
Exterior dimensions in mm (w	/d/h)
Interior dimensions in mm (w.	/d/h)
Energy consumption in 365 days	S ¹
Ambient temperature range	
Refrigerant	
Sound power level	
Voltage/Connection rating	
Cooling system	
Defrost	
Set temperature range	
Gradient*/max. fluctuation**	
External cabinet finish	
Door/lid material	
Internal liner material	
Type of control	
Temperature display	
Power failure alarm	
Fault: warning signal	
Interface/Volt-free alarm contac	t
Interior light	
Adjustable shelves	
Usable shelf area in mm (w/d)	
Shelf material	
Shelf loading	
Handle	
Lock	
Self-closing door	
Door hinges	
Gross/net weight	
Accessories	
Shelf, plastic-coated	
Stacking kit, white	
Roller bars	
Evaporator cover, white	
NTC product temperature senso	r
tacking kit, white oller bars vaporator cover, white	r

RS 485/RS 232 adapter, data log software

Additional lock barrels (up to 10)

Foot pedal opener

Mediline	LED	Mediline	Mediline
141/130 litre		141/130 litre	478/337 litre
597/615/825		597/615/825	747/750/1844
440/435/670		440/435/670	602/520/1224
369 kWh		273 kWh	1245 kWh
+10°C to +35°C		+10°C to +35°C	+16°C to +35°C
R 600a		R 600a	R 290
47 dB(A)		47 dB(A)	55 dB(A)
220-240V~/1.0 A		220-240V~/1.0 A	220-240V~/3.0 A
forced-air		forced-air	forced-air
automatic		automatic	automatic
+3°C to +16°C		+3°C to +16°C	-9°C to −35°C
5.1°C/4.9°C		4.3°C/4.6°C	5.8°C/4.9°C
steel/white		steel/white	steel/white
glass door		steel	steel
commercial grade moulded	polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol
electronic controller		electronic controller	electronic controller
external digital		external digital	external digital
when mains power return		when mains power return	when mains power return
visual and audible		visual and audible	visual and audible
RS 485/yes		RS 485/yes	RS 485/yes
LED lighting, with separate	switch		
3		3	
440/420		440/420	602/485
wire shelves plastic-coated		wire shelves plastic-coated	wire shelves plastic-coated
45 kg		45 kg	60 kg
ergonomic slimline handle		ergonomic slimline handle	ergonomic slimline handle
fitted		fitted	fitted
yes		yes	yes
right, reversible on site		right, reversible on site	right, reversible on site
46/43 kg		39/36 kg	120/113 kg
7112313		7112313	7112059
9876687		9876687	
9590521		9590521	
9590523		9590523	0504400
0500007		0500007	9591493
9590387		9590387	9590387
			9094579
on request		on request	

Laboratory fridge-freezer combination

with electronic controls

Roller bars

Additional lock barrels (up to 10)

Total gross/net capacity	fridge compartment
Total gross/net capacity	freezer compartment
Exterior dimensions in mm (w/d/h)	
Interior dimensions in mm (w/d/h)	fridge compartment
Interior dimensions in mm (w/d/h)	freezer compartment
Energy consumption in 365 days ¹	
Ambient temperature range	
Refrigerant	
Sound power level	
Voltage/Connection rating	
Cooling system	fridge/freezer comp.
Defrost	fridge/freezer comp.
Set temperature range	fridge/freezer comp.
Gradient*	fridge/freezer comp.
Max. fluctuation **	fridge/freezer comp.
External cabinet finish	
Door/lid material	
Internal liner material	
Type of control	
Temperature display	
Power failure alarm	
Fault: warning signal	
Interface/Volt-free alarm contact	
Adjustable shelves	fridge compartment
Usable shelf area in mm (w/d)	fridge compartment
Shelf material	fridge/freezer comp.
Shelf loading	fridge/freezer comp.
Drawers	freezer compartment
Handle	
Lock	
Self-closing door	
Door hinges	
Gross/net weight	
Accessories	
Shelf, plastic-coated, for	fridge compartment
Evaporator cover, white, for	fridge compartment
NTC product temperature sensor	
RS 485/RS 232 adapter, data log softv	ware

LCv 4010

Mediline

254/240 litre
107/105 litre
597/615/2003
440/441/1105
431/435/597
657 kWh
+10°C to +35°C
R 600a
52 dB(A)
220-240V~/1.5 A
forced-air/static
automatic/manual
+3°C to +16°C / -9°C to -30°C
5.2°C/7.9°C
5.7°C/5.5°C
steel/white
steel
commercial grade moulded polystyrol
electronic controller
external digital
when mains power return
visual and audible
RS 485/yes
4
440/409
wire shelves plastic-coated/glass
45 kg/24 kg
3
ergonomic slimline handle
fitted
yes
right, reversible on site
90/84 kg
7112313
9590391
9590407
9590387
9590380
on request

¹ Measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers

^{*} Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty, throughout the duration.
** Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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