

Laboratory Refrigerators and Freezers, Kirsch

KIRSCH - reliable cooling for the health care industry and for laboratories. A manufacturer of premium-quality products since 1865, KIRSCH knows exactly what counts in respect of cooling your sensitive substances. Your benefit: Units that you can fully rely on.

General features:

Robust, scratch-resistant housing made by ourselves: „Quality made in Germany“. The interior is made of impact-resistant synthetic with moulded supports (undercounter models) or smooth aluminium with a protective coating with height-adjustable support rails (for all stand-alone models of 280 l cooling volume and up). The insulation consists of premium-quality environmentally friendly material. The units have lockable doors with hinges that can be changed. The temperature regulation controlled by microprocessor allows for accurate temperature control with safety functions in case of fault. The control is protected with a key switch against manipulation and equipped with a digital display and a minimum/maximum temperature memory. Furthermore, KIRSCH refrigerators have an RS485 interface for automatic documentation of temperature and a floating contact for forwarding alarms (for connecting the GSM module). The KIRSCH forced-air cooling provides for even temperature distribution and thus for a uniform storage temperature in the entire refrigeration space. Forced-air cooling is optimized for every model and consists of an individually adjusted combination of blower and ventilation plate.

LABEX®- for your safety

Laboratory refrigerators and freezers with explosion-proof interior (LABEX® and FROSTER-LABEX® models) meet the highest quality standards and safety requirements according to the ATEX 95 directives. All LABEX® and FROSTER-LABEX® models are tested and certified in terms of quality and safety pursuant to the strict standards of TÜV SÜD Product Service GmbH. Depending on the version, the refrigerators are labelled EX II 3 G T6 (LABEX® standard safety) or EX II 3 G Ex cIIc T8 (LABEX® intrinsic safety). With all LABEX® and FROSTER-LABEX® models, the temperature sensors are specially protected by safety barriers.

Laboratory refrigerators with explosion-proof interior (without recirculating air cooling)

Type	Vol. l	Temp. approx. °C	Outer dimensions W x D x H cm	Quantity drawers/ shelves	Power input W	Order No.
① LABEX®-105 ¹⁾	95	+2 – +20	54x54x82	1/2	150	41 34 04105
LABEX®-125 ¹⁾	120	+2 – +12	54x54x81	1/2	135	10 34 04125
LABEX®-285 ²⁾	280	+2 – +20	67x70x124	1/3	120	41 34 04285
② LABEX®-335 ²⁾	330	+2 – +20	67x63x181	2/4	150	41 34 04335
LABEX®-465 ²⁾	460	+2 – +20	74x75x181	–/6	160	41 34 04465

Laboratory refrigerators with explosion-proof interior (with recirculating air cooling)

Type	Vol. l	Temp. approx. °C	Outer dimensions W x D x H cm	Quantity drawers/ shelves	Power input W	Order No.
LABEX®-288 ²⁾	280	+2 – +20	67x70x124	1/3	130	10 34 04288
LABEX®-340 ²⁾	330	+2 – +20	67x63x181	2/4	130	10 34 04340
LABEX®-468 ²⁾	460	+2 – +20	74x75x181	–/6	150	10 34 04468

Laboratory refrigerators without explosion-proof interior (without recirculating air cooling)

Type	Vol. l	Temp. approx. °C	Outer dimensions W x D x H cm	Quantity drawers/ shelves	Power input W	Order No.
LABO-85 ¹⁾	80	+2 – +12	47x51x74	1/2	100	10 34 00085
LABO-125 ¹⁾	120	+2 – +20	54x54x81	–/2	135	10 34 00125

Laboratory refrigerators without explosion-proof interior (with recirculating air cooling)

Type	Vol. l	Temp. approx. °C	Outer dimensions W x D x H cm	Quantity drawers/ shelves	Power input W	Order No.
LABO-100 ¹⁾	95	+2 – +20	54x54x82	–/2	160	41 34 00100
LABO-340 ²⁾	330	+2 – +20	67x63x181	1/3	150	10 34 03340
LABO-468 ²⁾	460	+2 – +20	74x75x181	–/4	180	41 34 03468
③ LABO-520 ²⁾	500	0 – +20	77x76x193–196	–/5	370	41 34 02520
LABO-720 ²⁾	700	0 – +20	77x98x193–196	–/5	370	41 34 02720
LABO-720-CHROMAT ²⁾	700	+4 – +20	77x98x193–196	–/5	370	10 34 02721

Laboratory freezers with explosion-proof interior (without recirculating air cooling)

Type	Vol. l	Temp. approx. °C	Outer dimensions W x D x H cm	Quantity drawers/ shelves	Power input W	Order No.
FROSTER-LABEX®-70 ¹⁾	70	–15 – –22	47x51x74	1/3	100	10 34 06070
FROSTER-LABEX®-96 ¹⁾	90	–5 – –25	54x54x82	–/3	160	10 34 06095



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Laboratory freezers with explosion-proof interior (with recirculating air cooling)

Contrary to the products by comparable competitors, all FROSTER-LABEX® models offer the unique combination of ATEX 95 label, forced-air cooling, automatic quick defrosting, and controlled pressure compensation.

Type	Vol. l	Temp. approx. °C	Outer dimensions W x D x H cm	Quantity drawers/ shelves	Power input W	Order No.
FROSTER-LABEX®-330 ²⁾	300	-5 – -30	74x78x159	-/4	577	10 34 06320
FROSTER-LABEX®-530 ²⁾	500	-5 – -30	77x76x193-196	-/5	690	10 34 06520
FROSTER-LABEX®-730 ²⁾	700	-5 – -30	77x98x193-196	-/5	690	10 34 06720

Laboratory freezers without explosion-proof interior (with recirculating air cooling)

Type	Vol. l	Temp. approx. °C	Outer dimensions W x D x H cm	Quantity drawers/ shelves	Power input W	Order No.
④ FROSTER-LABO-330 ²⁾	300	-5 – -30	74x78x159	-/4	540	10 34 05320
FROSTER-LABO-530 ²⁾	500	-5 – -30	77x76x193-196	-/5	640	41 34 05520
FROSTER-LABO-730 ²⁾	700	-5 – -30	77x98x193-196	-/5	640	41 34 05720

1) build-in model, 2) stand-alone model

Accessories

- ⑤ **GSM module for alarm transmission** **Order No. 10 34 01678**
Go home after work knowing that your sensitive substances are reliably and safely cooled. The GSM module forwards any alarms via SMS. When the temperature limits are reached or in case of refrigerator malfunction, the GSM module will give an optical and acoustic alarm and send an alarm message via SMS to your cell phone.

- ⑥ **Temperature documentation and quality assurance with KIRSCH-DATANET**
The most efficient way to document your data. Temperature documentation with KIRSCH-DATANET (software included!): complete, easy, reliable.
For KIRSCH refrigerators and freezers with RS485 interface

Article	Order No.
PC-KIT-NET (network-compatible version)	10 34 01675
PC-KIT-USB-MONITORING	10 34 01664
PC-KIT-STICK	10 34 01685

For KIRSCH refrigerators and freezers without RS485 interface or cooling devices of other manufacturers

Article	Order No.
DATALOG-NET	10 34 01687
DATALOG-USB	10 34 01686



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