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Umsatzsteuer-
Identifikationsnummer
:
DE 143 450 657



PHC Twin Guard ultra-low freezer, -86°C, 360 liters

**Price on
request
plus VAT &
Shipping**

Product Images



Description

The MDF-DU302VX-PE TwinGuard ultra-low temperature freezers down to -86 °C with Dual Cooling technology offer the highest level of safety for valuable samples. The Dual Cooling system not only features outstanding ease of use and data monitoring, but also ensures the best protection. With two independent cooling systems, TwinGuard freezers maintain a reliable and consistent temperature environment of ultra-low -86°C. Should one cooling system unexpectedly fail, the other circuit ensures safe cooling of irreplaceable samples at around -70 °C until repairs can be made.

Ultimate sample protection and storage of valuable samples

The Dual Cooling system provides the best protection with two independent cooling systems. If one system fails unexpectedly, the other can maintain the freezer at -70 °C. Store valuable and irreplaceable samples with absolute confidence that they will not be lost in the event of a compressor failure.

Efficient sample storage and flexible shelf arrangement

The combination of VIP PLUS vacuum insulation and improved cabinet design with insulated outer door ensures optimal temperature consistency while maximizing storage capacity through reduced wall thickness. Multiple shelf configurations allow for a variety of storage options.

Smart interface and limited access labs

Access to stored samples is even easier thanks to the EZ handle. A color LCD touchscreen allows full user control even with gloved hands, while a USB port makes it easy to transfer logged data to a PC. Significantly extended time to respond to sudden mechanical failure and data logging are ideal for high security applications such as pathogen research.

Benefits at a glance:

- Extremely safe dual cooling system
- VIP PLUS insulation
- Flexible shelf arrangement
- Intelligent interface
- Innovative cabinet design

Features:

- Dual Cooling System
- EZ-handle
- LCD touch screen
- USB connection
- ECO mode

Overall dimensions (W x D x H):	670 x 882 x 1840 mm
Interior dimensions (W x D x H):	490 x 600 x 1230 mm
Volume:	360 l
Net weight (approx.):	225 kg
Max. Capacity 2" boxes:	240
Temperature control range:	-50 to -86 °C
Controller:	Microprocessor, non-volatile memory
Display:	LCD touch screen
Temperature sensor:	Pt-1000

Cooling system:	Independent double cooling
High pressure compressor:	2 x 450 W
Coolant:	HFC mixed
Insulation material:	PUF / VIP Plus
Insulation thickness:	80 mm
Outer cladding:	Painted steel
Interior cladding:	Painted steel
Outer door:	1
Outer door lock:	J
Inner door:	2
Shelves:	3
Max. Load - per shelf:	50 kg
Max. Loading - total:	415 kg
Vacuum relief opening:	2 (1 automatic, 1 manual)
Access port:	3
Access port position:	rear x 1, bottom x 2
Access port diameter:	17
Casters:	4 (2 height adjustable feet)
Power failure:	O-A-F
Temperature too high:	O-A-F
Temperature too low:	O-A-F
Filter:	Filterless
Door open:	O-A
Power supply:	230 V / 50 Hz
Volume:	52 dB [A]

Additional Information

No.	PH-0014
Manufacturer (Brand)	PHC
old neoLab article no.	7-6010
EAN	4066292144149
Transport temperature	Room temperature
Material	Steel
Temp MAX	-50 °C
Temp MIN	-86 °C
Wide	882 mm
Width/inside	600 mm
Height	1840 mm
Height inside	1230.0 mm
Length	670 mm
Depth	670 mm
Depth inside	490 mm
Operation via	Touchscreen
Weight	225 kg
Refrigerant medium	Refrigerant (closed system)
Refrigerant closed system	HFC mixed
Length inside	490 mm
Voltage	230 V
Type interface	USB
Refrigerators and freezers features	with infinitely variable temperature control with separate inner doors with potential-free contact for remote alarm with integrated data memory with interface with rollers with feed-through option with alarm function
Number of implementation options	3
Quantity compressors	2
DM MAX Implementation option	17 mm

Devices self cooling	Air cooling
Interior	Compartments with door
Capacity for 50 boxes	240
Page door suspension	right
Positioning variants	single
Type refrigerator / freezer	Ultra Deep Freezer/ Deep Freezer
Volume freezer / refrigerator	360 l

