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Umsatzsteuer-
Identifikationsnummer
:
DE 143 450 657



PHC Twin Guard ultra-low freezer, -86°C, 528 liters

**Price on
request
plus VAT &
Shipping**

Product Images



Description

The MDF-DU502VX-PE TwinGuard ultra-low temperature freezer to -86 °C meets the industry's demand for safe, long-term storage of particularly high-value materials. Two independent cooling systems, complemented by optional emergency cooling systems with liquid nitrogen or liquid CO₂, provide protection that is unmatched in the market. The two independent cooling systems maintain a reliable and consistent temperature environment of ultra-low -86 °C. Should one cooling system unexpectedly fail, the other circuit provides safe cooling of samples at approximately -70°C until repairs can be made.

Smart interface

Thanks to the EZ handle, accessing stored samples is even easier. A color LCD touchscreen allows full user control even with gloved hands, while a USB port makes transferring logged data to a PC hassle-free.

Efficient and flexible sample storage

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.

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):	790 x 882 x 1993 mm
Interior dimensions (W x D x H):	630 x 600 x 1400 mm
Volume:	528 l
Net weight (approx.):	285 kg
Max. Capacity 2" boxes:	384
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 1100 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-0016
Manufacturer (Brand)	PHC
old neoLab article no.	7-6011
EAN	4066292144163
Transport temperature	Room temperature
Material	Steel
Temp MAX	-50 °C
Temp MIN	-86 °C
Wide	882 mm
Width/inside	600 mm
Height	1993 mm
Height inside	1400.0 mm
Length	790 mm
Depth	790 mm
Depth inside	630 mm
Operation via	Touchscreen
Weight	285 kg
Refrigerant medium	Refrigerant (closed system)
Refrigerant closed system	HFC mixed
Length inside	630 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	384
Page door suspension	right
Positioning variants	single
Type refrigerator / freezer	Ultra Deep Freezer/ Deep Freezer
Volume freezer / refrigerator	528 l

