

# ULTRA LOW TEMPERATURE FREEZERS

Series UFV | Ultra low temperature freezers with climate-neutral refrigerants



Model UFV 500  
Sizes 17, 25 cu.ft.

**FEATURES:**

- Range of temperature controller: -86 °C to -40 °C
- Lowest energy consumption in its class
- Powerful cascade compressor cooling unit
- Environmentally friendly refrigerants R-290 and R-170
- Efficient thermal insulation with vacuum insulation panels
- Innovative door gasket concept reduces buildup of ice
- Ergonomic door handle
- Rust-proof interior made completely of stainless steel
- Detachable inner doors made of stainless steel
- 3 stainless-steel shelves providing flexible placement



Advantages at a glance



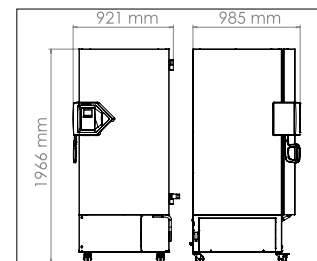
LOWEST ENERGY CONSUMPTION  
IN ITS CLASS WITH BEST TEMPERA-  
TURE UNIFORMITY



HIGH RELIABILITY



DURABLE QUALITY

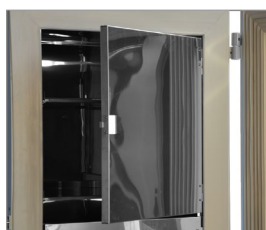


WORKING ENVIRONMENT WITH  
SMALL FOOTPRINT AND LOW  
NOISE LEVEL

## TECHNICAL DATA

Description	UFV 500	UFV 700
<b>Outer dimensions</b>		
Width net [in]	32.54	43.7
Height net [in]	77.5	77.5
Depth net [in]	36.96	36.96
<b>Internal Dimensions</b>		
Width [in]	23.88	35.07
Height [in]	51.2	51.2
Depth [in]	23.84	23.84
<b>Measures</b>		
Interior volume [cu.ft.]	16.8	24.7
Net weight of the unit (empty) [lbs]	545	635
permitted load [lbs]	441	441
<b>Performance Data Temperature</b>		
Temperature range [°C]	-86...-40	-86...-40
Temperature variation at -80 °C [± K]	2.5	2.5
Temperature fluctuation at -80 °C [± K]	1.5	1.5
Warm-up time during power failure from -80 °C / -122 °F to -60 °C / -76 °F [min]	230	250
<b>Electrical data</b>		
Nominal power (version 120 V) [kW]	1.6	1.6
Nominal power (version 230 V) [kW]	1.6	1.6
Nominal power (version 240 V) [kW]	1.6	1.6
<b>Environment-specific data</b>		
Energy consumption at set-point -80 °C and ambient temperature = 21 °C [kWh/d]	7.9	8.1
<b>Fixtures</b>		
Number of shelves (std./max.)	3/13	3/13
<b>Cat. No.</b>	<b>08111964</b>	<b>08111965</b>

## OPTIONS AND ACCESSORIES



Foam-filled compartment doors with gasket



Door access system



Alarm system



Selection of racks and boxes

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