

PRODUCT

VT 78 -86°C ULTRA LOW TEMP. FREEZERS

The VT ultra low temperature freezers provides the possibility to maintain temperatures as low as -86°C. Supreme stability, reliability, user-friendliness and ease of cleaning makes the VT ULT freezers an ideal solution for laboratories and hospitals.

Nature R refrigerant, cyclopentane insulation combined with recyclable materials, ensures that the freezers are extremely eco-friendly.

SPECIFICATIONS

Gross volume, litres (cu. ft.)	74 (2.6)
Internal storage capacity, litres (cu. ft.)	71(2.5)
Temperature range (16°C-30°C AMB)	-60°C to -86°C
Temperature probes	1
Compressor	Embraco
Refrigerant	Nature-R
Noise level, dB	53
Power consumption, kWh / 24h	5,10
Power consumption, kWh / year	1.862
Voltage, V	220-240
Frequency, Hz	50



FEATURES

Castors	Optional
Inner lids	1
Defrost	Manual
Battery Backup	50h
USB	NO
Alarm connection	NO/NC
Digital controller	XR30CX
Data logging, # logs	NO
Analogue chart recorder	NO
Max no. of standard vials, pcs.	3.240

DIMENSIONS

Height, mm (inches)	895 (35.3)
Height w. castors, mm (inches)	935 (36.9)
Width, mm (inches)	555 (21.9)
Depth, mm (inches)	645 (25.4)
Gross weight, kg (lbs)	57 (126)
Net weight, kg (lbs)	53 (117)

LOADING QUANTITIES

Qty. per 20' / 40' container	60 / 120
Qty. per truck (EU standard)	176



BIOMEDICAL SOLUTIONS

VESTFROST
SOLUTIONS

A/S Vestfrost
Falkevej 12
DK-6705 Esbjerg Ø
www.vestfrostsolutions.com

DETAILS

VT 78

-86°C ULTRA LOW TEMP. FREEZERS

- State-of-the-art unit designed and manufactured by A/S Vestfrost in Denmark
- Unit optimized for optimal footprint

ENVIRONMENT

- Eco-friendly, HCFC-free Nature R refrigerant
- Efficient cyclopentane insulation
- Low energy consumption

FEATURES

- Digital XR30CX controller with display
- Approximately 50 hours battery backup
- Prepared for external logging equipment
- PT1000 internal temperature measuring probe
- Top-quality castors for explicit movability
- Integrated lock to prevent unauthorized access
- High/low temperature alarm

QUALITY

- User-friendly and maintenance-free
- Single compressor system
- Suitable for rack systems
- ISO 9001, 14001 & 18001 OHSAS Certified



SAFETY first, and therefore the VT units are all equipped with integrated locks, and alarms.



PRECISION digital XR30CX controller with display, which is pre-programmed from factory.



TOP-QUALITY castors eases repositioning of the VT 208/308/408-line units.



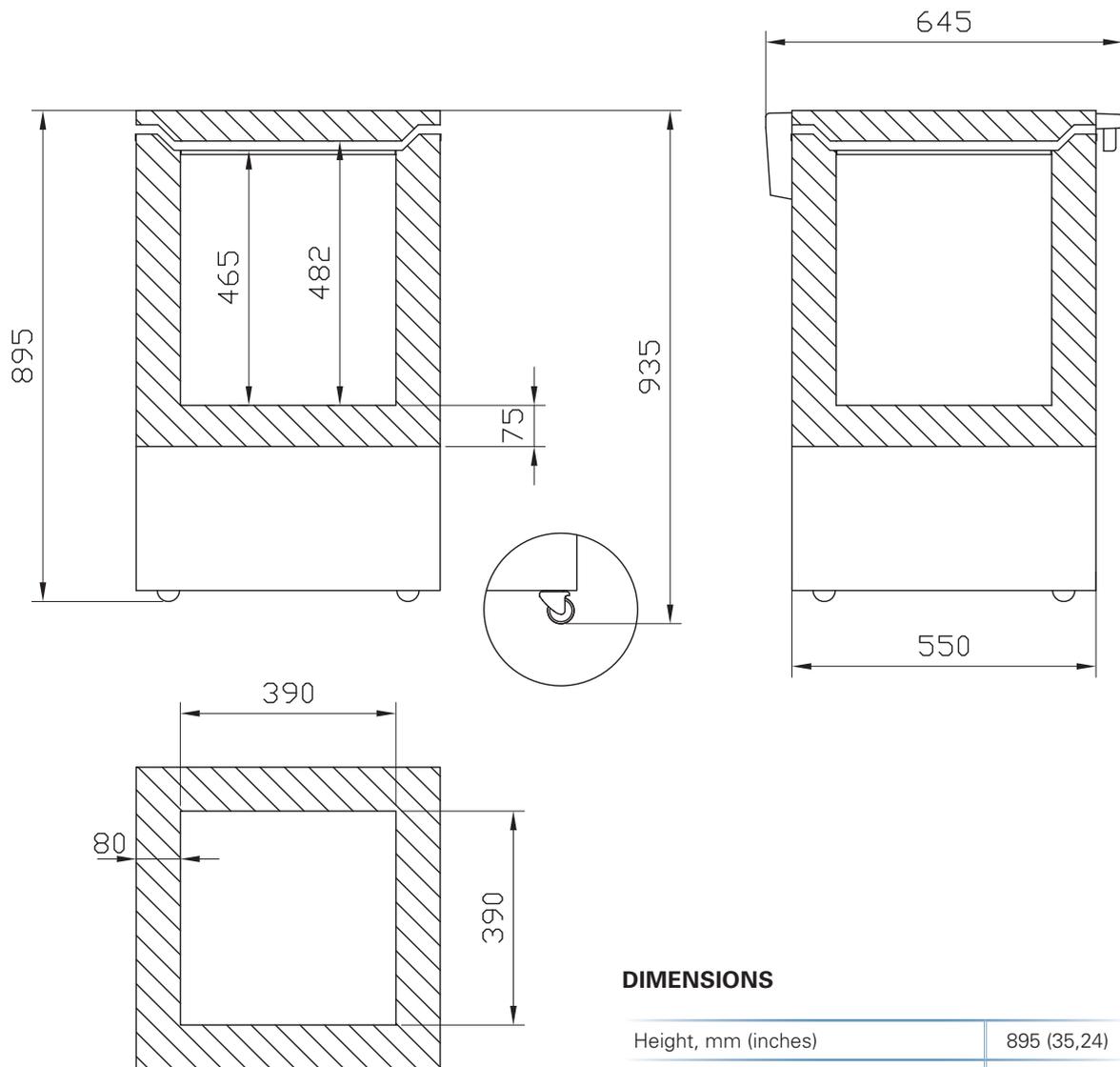
BIOMEDICAL SOLUTIONS

VESTFROST
SOLUTIONS

A/S Vestfrost
Falkevej 12
DK-6705 Esbjerg Ø
www.vestfrostsolutions.com

DIMENSIONS VT 78

-86°C ULTRA LOW TEMP. FREEZER



All measurements in mm

DIMENSIONS

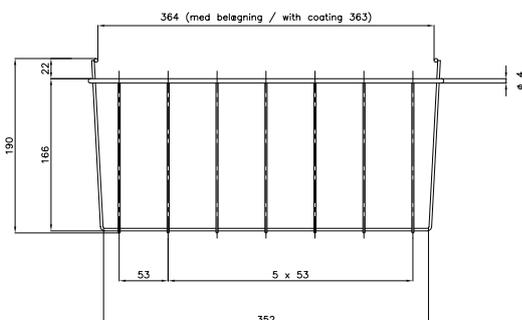
Height, mm (inches)	895 (35,24)
Height w. castors, mm (inches)	935 (36,81)
Width, mm (inches)	550 (21,65)
Depth, mm (inches)	550 (21,65)
Gross weight, kg (lbs)	57 (126)

VESTFROST
SOLUTIONS

A/S Vestfrost
Falkevej 12
DK-6705 Esbjerg Ø
www.vestfrostsolutions.com

DIMENSIONS VT 78

-86°C ULTRA LOW TEMP. FREEZER



INTERNAL DIMENSIONS

Height, mm (inches)	482 (18,98)
Width, mm (inches)	390 (15,35)
Depth, mm (inches)	390 (15,35)
Insulation, mm	80
Insulation type	PUR
Innerliner material	Coated steel
Max. AMB humidity, %	70
Internal humidity, %	<5

LOADING CAPACITY

Max loading, kg (lbs)	56 (123)
Max no. standard vials, pcs.	3.240
Max loading in baskets, kg (lbs)	10,45 (22,05)

UNIT FEATURES

Porthole for external probe, mm Ø	12
Castors (with brakes)	Optional
Inner lids	1
Lid vacuum release	N/A

BASKET FEATURES [OPTIONAL]

Basket material	Coated steel
Basket type	Compact
Quantity	0
Maximum basket load, kg (lbs)	10,45 (24,25)
Weight, kg (lbs)	0,370 (0,82)

VESTFROST
SOLUTIONS

A/S Vestfrost
Falkevej 12
DK-6705 Esbjerg Ø
www.vestfrostsolutions.com

RACKS

VT 78

-86°C ULTRA LOW TEMP. FREEZERS

STORAGE CAPACITY: RACKS FOR 50 MM BOXES

VF Product no.	No. of boxes	No. of racks	Total no. of boxes
VF311210	8	5	40
Total, ex dividers			40



STORAGE CAPACITY: RACKS FOR 50 MM BOXES (INCL. DIVIDERS)

VF Product no.	No. of boxes	No. of racks	Total no. of boxes
VF312210	8	5	40
Total, vials			3.240



STORAGE CAPACITY: RACKS FOR 75 MM BOXES

VF Product no.	No. of boxes	No. of racks	Total no. of boxes
VF311310	5	5	25
Total, ex dividers			25



STORAGE CAPACITY: RACKS FOR 75 MM BOXES (INCL. DIVIDERS)

VF Product no.	No. of boxes	No. of racks	Total no. of boxes
VF312310	5	5	25
Total, vials			2.025



STORAGE CAPACITY: RACKS FOR 100 MM BOXES

VF Product no.	No. of boxes	No. of racks	Total no. of boxes
VF311410	4	5	20
Total, ex dividers			20



STORAGE CAPACITY: RACKS FOR 100 MM BOXES (INCL. DIVIDERS)

VF Product no.	No. of boxes	No. of racks	Total no. of boxes
VF312410	4	5	20
Total, vials			1.620



VESTFROST
SOLUTIONS



BIOMEDICAL SOLUTIONS

A/S Vestfrost
Falkevej 12
DK-6705 Esbjerg Ø
www.vestfrostsolutions.com