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ULTRA-LOW TEMPERATURE -86°C FREEZERS
VF120-86G

Type	Upright
Volume total	120 litre
Usable volume 2/4 compartments	112/109 litre
Storage capacity 2” boxes	81
External dimensions	755/700 x 738 x 1270 mm
Internal dimensions	450 x 488,5/454 x 549 mm
Compartments/inner doors/platforms	2/1/1 in height adjustable
Main door	With lock and keys
Inner doors	Stainless steel, insulated
Material internal/external	Stainless Steel/Epoxy Coated steel
Placed on	Heavy duty castors, in front with brakes
Insulation	Polyurethane
Cooling	Two (2) cascade connected compressors
Refrigerants	First stage: R455A/Second stage: R170
Condenser	Air-cooled
Temperature adjustments	-50°C till -86°C (other range; on request)
Controller	Web-based
Display	7” Touchscreen in main door at eye level
Temperature history	On display with scroll function
Data storage	At least 12 months
Temperature sensors	PT1000
Backup battery	Alarming and monitoring during power failure
Alarming	Optical and acoustic, but also possible via E-Mail
Communication	Telephone dialling activation system
	Potential (Voltage) free contact
	RJ45 (Ethernet) connection
	USB connection
Software	I-freeze
CO_2-backup system	Partially prepared
Transit/vacuum release	Ø 26 mm/vacuum release situated in transit
Cable entry ports	Two (2)
Compressor room	Well-arranged layout and very easy filter exchange
Requirements	220/240 VAC, 50 Hz, fuse 16 Amp. slow
Power and current rating	525 VA/450 W/3,2 Amp.
Energy consumption	6,7 kWh/24h
Heat exchange	0,25 kW/h
Noise level	49 dBA
Net weight	190 kg
CE certified	EN61010-1:2010, EN60601-1-2:2007

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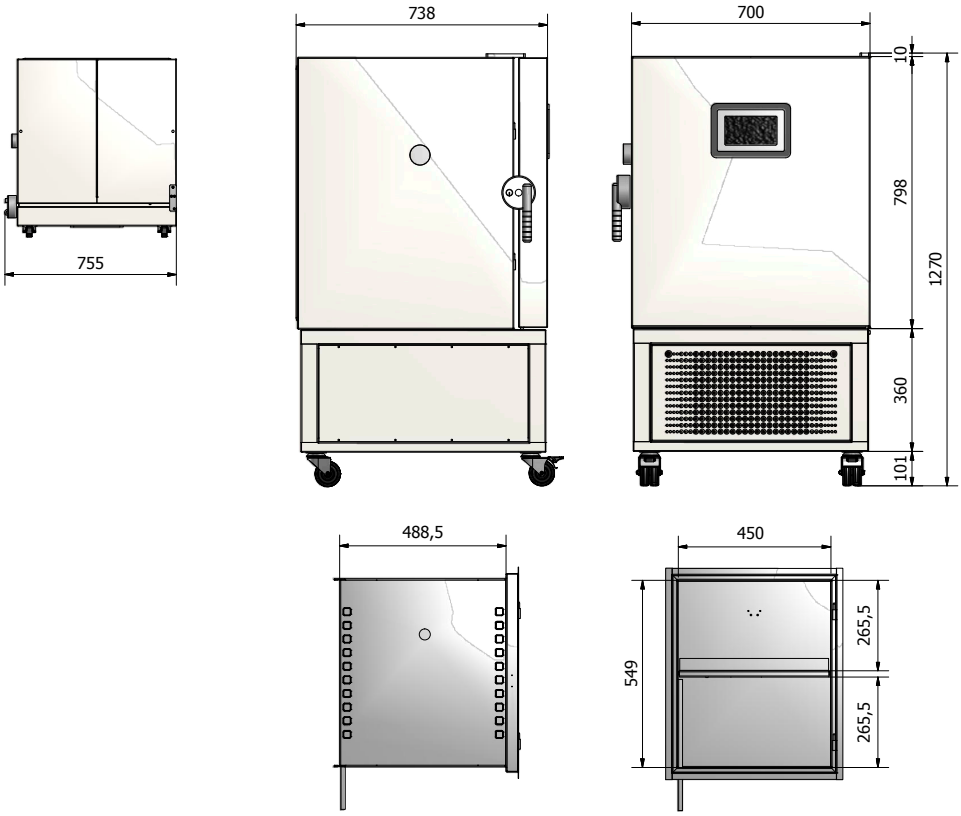

OPTIONS
Hybride Cooling System
Water cooling
CO_2–backup system
LN_2–backup system
Extended backup system
Temperature chart recorder
Voltage stabilizer
Transformer
IQ/OQ/PQ
Electronic lock main door
Padlock on main door
Left hinged door(s)
3 or 4 compartments/inner doors
Inner doors lockable by key
Levelling feet
Alarming by texting and/or phone
Sliding shelves with hinged front
Drawers in Aluminium or Stainless Steel
Racking systems in Aluminum or Stainless Steel
Cryo Boxes
Cryo Gloves

DRAWER RACKING SYSTEM*1

Model #	Comp.	# Racks	# Boxes per rack	Total boxes 133x133	Total plates 128x85	Max. height box
DSA-6335-136G	2	6	30		180	33 mm
DSA-9573-136G	1	3	27	81	135*2	57 mm
DSA-4603-136G	2	6	12	72	120*2	60 mm
DSA-3813-136G	2	6	9	54		81 mm
DSA-6833-136G	1	3	18	54		83 mm
DSA-21253-136G	2	6	6	36		125 mm

*1 other dimensions on request. *2 only on request.

SIDE ACCESS RACKS

Model #	Comp.	# Racks	# Boxes per rack	Total boxes 133x133	Maximum height box
HR-3-5-45	4	6	15	90	45 mm
HR-3-4-53	4	6	12	72	53 mm
HR-3-3-76	4	6	9	54	76 mm

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