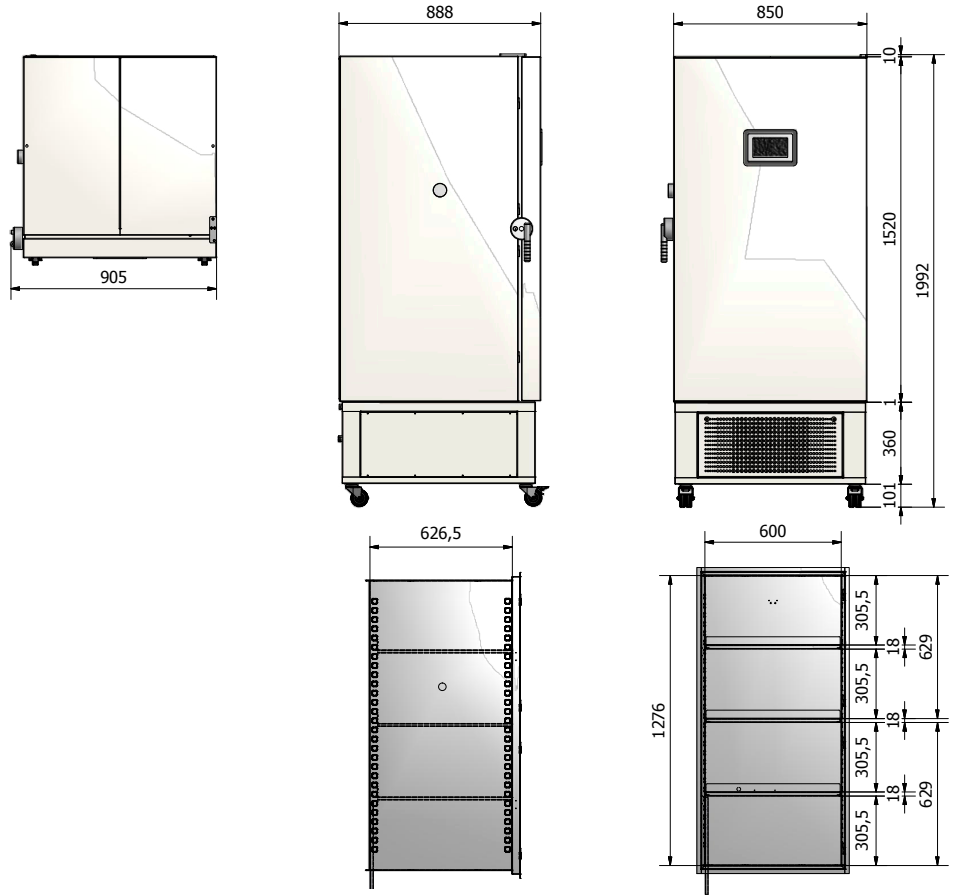




Type	Upright
Volume total	480 litre
Usable volume 2/4 compartments	447/440 litre
Storage capacity 2" boxes	352
External dimensions	905/850 x 888 x 1992 mm
Internal dimensions	600 x 626,5/592 x 1276 mm
Compartments/inner doors/platforms	4/2/3 in height adjustable
Main door	With lock and keys
Inner doors	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 <sub>2</sub> -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	1015 VA/950 W/4,7 Amp.
Energy consumption	11 kWh/24h
Heat exchange	0,43 kW/h
Noise level	53 dBA
Net weight	315 kg
CE certified	EN61010-1:2010, EN60601-1-2:2007

**OPTIONS**

- Hybride Cooling System
- Water cooling
- CO<sub>2</sub>-backup system
- LN<sub>2</sub>-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, 4, 5 or 6 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-7336-136G	4	16	42		672/784*2	33 mm
DSA-5504-136G	4	8	20	352*2	528/616*2	50 mm
DSA-6504-136G		8	24			
DSA-11524-136G	2	8	44	352	528/616*2	52 mm
DSA-D211524-136G	2	4	88	352	528/616*2	52 mm
DSA-5534-136G	4	16	20	320	480/560*2	53 mm
DSA-7844-136G	2	8	28	224		84 mm
DSA-D27844-136G	2	4	56	224		84 mm
DSA-3914-136G	4	16	12	192		91 mm
DSA-21284-136G	4	16	8	128		128 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-4-6-45	4	16	24	384	45 mm
HR-4-5-53	4	16	20	320	53 mm
HR-4-3-76	4	16	12	192	76 mm
HR-5-FLEX	4	16	20/12	320/192	55/95 mm