### evosafe ecologic



# SNIJDERS ULTRA-LOW TEMPERATURE -86°C FREEZERS VF475-86G



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 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	Туре	Upright		
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Compartments/inner doors/platforms  Ain door  Mith lock and keys  Inner doors  Stainless steel, insulated  Material internal/external  Placed on  Heavy duty castors, in front with brakes  Insulation  Cooling  Two (2) cascade connected compressors  Refrigerants  First stage: R455A/Second stage: R170  Condenser  Air-cooled  Temperature adjustments  Controller  Web-based  Display  Trouchscreen 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  Communication  Telephone dialling activation system  Potential (Voltage) free contact  RJ45 (Ethernet) connection  USB connection  Software  Co <sub>2</sub> -backup system  Partially prepared  Transit/vacuum release  Cable entry ports  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  315 kg				
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Inner doors  Stainless steel, insulated  Material internal/external  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  USB connection  Software  I-freeze  CO <sub>2</sub> -backup system  Partially prepared  Transit/vacuum release  Ø 26 mm/vacuum release situated in transit  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  Energy consumption  11 kWh/24h  Heat exchange  Net weight  315 kg				
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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	Communication	Telephone dialling activation system		
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				
Software  CO <sub>2</sub> -backup system  Partially prepared  Ze mm/vacuum release gears and vacuum release situated in transit  Cable entry ports  Compressor room  Well-arranged layout and very easy filter exchange  Requirements  Zeo/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  Q48 mm/vacuum release situated in transit  Two (2)  Well-arranged layout and very easy filter exchange  1015 VA/950 W/4, 50 Hz, fuse 16 Amp. slow  Power and current rating  1015 VA/950 W/4,7 Amp.  Energy consumption  11 kWh/24h  Heat exchange  Q48 mm/vacuum release situated in transit  Two (2)				
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		USB connection		
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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	CO <sub>2</sub> -backup system	Partially prepared		
Compressor roomWell-arranged layout and very easy filter exchangeRequirements220/240 VAC, 50 Hz, fuse 16 Amp. slowPower and current rating1015 VA/950 W/4,7 Amp.Energy consumption11 kWh/24hHeat exchange0,43 kW/hNoise level53 dBANet weight315 kg	Transit/vacuum release	Ø 26 mm/vacuum release situated in transit		
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	Cable entry ports	Two (2)		
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Energy consumption 11 kWh/24h  Heat exchange 0,43 kW/h  Noise level 53 dBA  Net weight 315 kg	Power and current rating			
Heat exchange 0,43 kW/h  Noise level 53 dBA  Net weight 315 kg	Energy consumption			
Noise level 53 dBA  Net weight 315 kg				
Net weight 315 kg				
	Net weight			
FINDIUIU-1.701U FINDUNUI-1-7 7007	CE certified	EN61010-1:2010, EN60601-1-2:2007		





### evosafe ecologic



# SNIJDERS ULTRA-LOW TEMPERATURE -86°C FREEZERS VF475-86G

#### **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

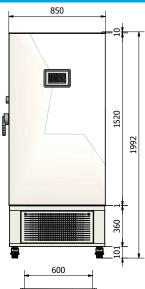
Cryo Gloves

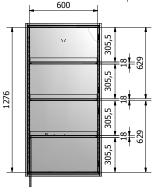












#### DRAWER RACKING SYSTEM\*1

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	4	8	24	35212		
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

<sup>\*1</sup> other dimensions 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-FLFX	4	16	20/12	320/192	55/95 mm

















<sup>\*2</sup> only on request.