

IKKII

WILL NOT FAIL, EITHER.

TWINCORE
TECHNOLOGY

2 REFRIGERATION SYSTEMS IN 1

EACH COMPRESSOR IS CAPABLE OF MAINTAINING -82°C BY ITSELF
CAN BE ON SITE SERVICED WITHOUT COMPROMISING YOUR SAMPLES

 **-96°C**

TWINCORE TECHNOLOGY IN A DEMOCRATIZED VERSION

AS A NORTH AMERICAN COMPANY, AND BASED IN MONTREAL, WE WANTED TO HONOR OUR ROOTS AND NAME OUR NEW MACHINE WITH A WORD TAKEN FROM THE INUIT LANGUAGE: IKKII - [Roman Inuktitut] - HOW COLD!

Z-SCI

SCIENCE AND BEYOND
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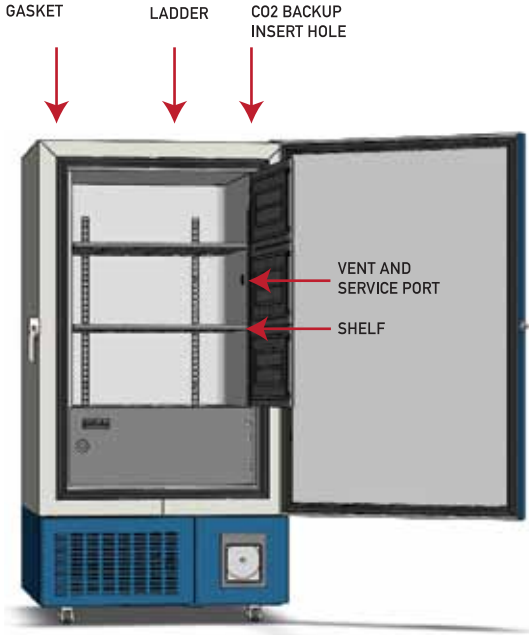
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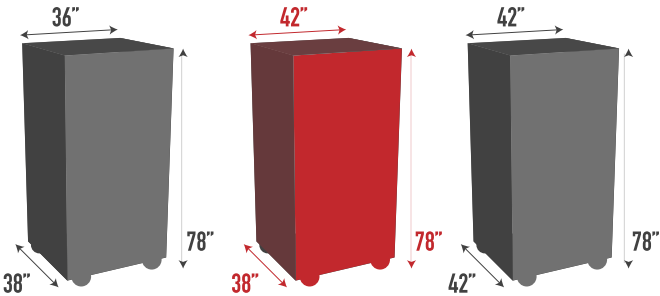
TYPE	DF8517	DF8520	DF8524
IKKII PART NUMBER	AKB8517	AKB8520	AKB8524
Capacity	17 CuFt	21 CuFt	26 CuFt
Inner Doors	4	4	4
Shelves	3	3	3
Noise Level According NEN-EN-ISO 11202	46dB(A)	46dB(A)	47dB(A)
Internal Dimensions W x D x H mm (in)	600x630x1290 (23.5x25x51)	750x630x1290 (29.5x25x51)	750x740x1290 (29.5x29x51)
External Dimensions W x D x H mm (in)	914x965x1981 (36x38x78)	1066x965x1981 (42x38x78)	1066x1066x1981 (42x42x78)
Shipping Dimensions W x D x H mm (in)	1150x1050x2200 (45.2x41.3x86.6)	1150x1200x2200 (45.2x47.2x86.6)	1150x1200x2200 (45.2x47.2x86.6)
Energy Efficiency	0.50 kW/h 12 kW/h / 24h	0.51 kW/h 12.24 kW/h / 24h	0.59 kW/h 14.16 kW/h / 24h
Net Weight	380Kg	410Kg	450Kg
Shipping Weight	400Kg	430Kg	470Kg
Sample Throughput Holes	Built-in Access Port (18 mm inner diameter)		
Temperature Range	-40°C to -96°C (Factory set on -80°C)		
Temperature Uniformity	± 3°C		
Microprocessor	Z-TOUCH Control Panel with Inventory Management & WIZ BOX System Audible, Visual and Remote Alarms, History, Events, Log In, Setting		
Refrigeration	Hydrocarbon Natural Mix Refrigerants (CFC/HFC free) - Safety Compliant EN60335-2-24		
Twin Core Technology	2 x 1 ¹ / ₄ HP		
	2 Independent Refrigeration Systems Capable of Holding -82°C at All Time		
Cabinet Material	Standard Epoxy Coated Steel Interior Stainless Steel Interior or PO Interior		
Insulation	Automatic High Pressure Foaming Under Vacuum (HPF-VIP Tech)		
Certification	CE, CSA, UL, ETL Certified		
Electrical	208-230V / 60Hz		
Built-In Voltage Booster	Standard for all models including voltage indicator alarm		

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EXTERNAL **CuFt** DIMENSIONS

17 21 26



STORAGE CAPACITY



MODEL No.	DF8517	DF8520	DF8524
Rack Capacity	16 Racks	20 Racks	20 Racks
2 inch/50mm boxes	320	400	500
Sample Vials, 2mL	32000	40000	50000
3 inch/75mm boxes	192	240	300
Sample Vials, 4mL	19200	24000	30000

ACCESSORIES

RACK & BOXES



MODEL	BOX SIZE	TOTAL BOXES	FREEZER MODEL
CR0064	2"	20	UPRIGHT FREEZER DF8517, DF 8520
CR0065	3"	12	
CR0066	2"	25	UPRIGHT FREEZER DF 8524
CR0067	3"	15	

*Material : Rack-AL, Box- Fireboard

RACK OF UP RIGHT



FIREBOARD STORAGE BOXES AND DIVIDERS

External dimensions:

External dimensions of 2 inch boxes (model PP0060): 133x133x49 mm (DxWxH)

External dimensions of 3 inch boxes (model PP0061): 133x133x77 mm (DxWxH)

Internal Dimensions:

Internal dimensions of 2 inch boxes (model PP0060): 124x124x45 mm (DxWxH)

Internal dimensions of 3 inch boxes (model PP0060): 124x124x70 mm (DxWxH)

ACCESSORIES

FIREBOARD STORAGE BOXES AND DIVIDERS

Possible dividers:

Dividers are also made of plasticized card box. Height of all dividers is 35 mm

Model: Description:

PP1049 Storage box divider 7 x 7

PP1064 Storage box divider 8 x 8

PP1081 Storage box divider 9 x 9

PP1100 Storage box divider 10 x 10

Thick Plasticized Card box Material

CO2(LN2)BACK UP SYSTEM, OPTIONAL

This backup system is used in the case that the temperature goes up, because of the failure of power and technical problem, the temperature set to BACK UP SYSTEM, will be observed. Thus the damage of the sample in the unit can be limited in the minimum.

CO2 is still an available option on Z-SC1 IKKII for the Extremely Careful Scientists about samples inside ULT freezer

1. CO2 Back up system
2. Injection tube with hoses (straight one is used in case of up-right freezer. Bended one is used in case if chest freezers)
3. Connection cable for door switch
4. Black flexible hose
5. Capillary tubing
6. Copper insulated hose
7. Connection for CO2 cylinder (including Teflon ring for well fitting)
8. Roll kit for sealing up
9. Connection screws (2x)



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