

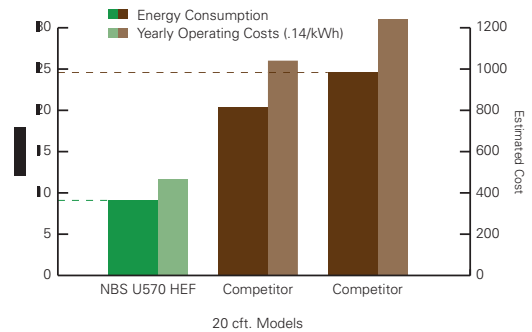


APPLETON WOODS LTD
EQUIPMENT & CONSUMABLES
FOR LIFE SCIENCE LABS
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Same Capacity.
Less Energy
Consumption.

Energy and Cost Comparison: NBS vs. Competitors



Introducing HEF™ High Efficiency -86° Freezers

New Brunswick's new HEF High Efficiency Freezers minimize operating costs and laboratory space requirements, while providing superior protection for your critical samples.

Our upright 570 and 410 Liter models are the first in the new HEF line, consuming up to 65% less energy than competitive units.

What does this mean to you?

- Savings of thousands in operating costs over the life of the freezer
- A significantly lower carbon impact on the environment when compared to competitive units
- Conformance with government, industry and environmental directives

We do it by:

- Combining superior-performing Vacuum Insulation Panels with additional insulation techniques
- Using environmentally-friendly, more efficient hydrocarbon refrigerants instead of traditional HFCs
- Improving and optimizing the circulation and compressor systems, ensuring years of uninterrupted operation and further reducing energy consumption

Model	Electrical Service	Catalog No.	Sample Capacity	External Dimensions (H x W x D)	Energy Consumption
HEF U410	230 V/50 Hz	U9260-0008	24000 Samples	191.5 x 80 x 85.2 cm	8.4 kWh/day
HEF U570	230 V/50 Hz	U9270-0008	40000 Samples	192.5 x 102.5 x 85.2 cm	8.7 kWh/day
HEF C660	230 V/50 Hz	U9250-0008	52000 Samples	107.5 x 205 x 84 cm	11.4 kWh/day



New Brunswick
an appendorf company

HEF™ High Efficiency -86° Freezers

Specifications

		U410 HEF Upright	U570 HEF Upright	C660 HEF Chest
Catalog No.		U9260-0008	U9270-0008	U9250-0008
Power	Electrical Service	230V/50hz	230V/50hz	230V/50hz
	Amperage	5.0	6.0	6.0
	Plug	UK & Schuko	UK & Schuko	UK & Schuko
	Consumption	Watts	350	364
kWh per Day		8.4	8.7	11.4
Capacity	Overall	410 Liters (14.5 cft.)	570 Liters (20.0 cft.)	660 Liters (23.3 cft.)
	Compartments	5	5	—
	Adjustable Shelves	4	4	—
	Racks per Shelf	3	5	—
	Racks per Freezer	15	25	40
	2" (50 mm) Racks	24000 Samples/Freezer (Rack K0641-1900)	40000 Samples/Freezer (Rack K0641-1900)	52000 Samples/Freezer (Rack K0641-1690)
	3" (75 mm) Racks	18000 Samples/Freezer (Rack K0641-1890)	30000 Samples/Freezer (Rack K0641-1890)	36000 Samples/Freezer (Rack K0641-1700)
	4" (100 mm) Racks	12000 Samples/Freezer (Rack K0641-1880)	20000 Samples/Freezer (Rack K0641-1880)	24000 Samples/Freezer (Rack K0641-1750)
Dimensions (W x D x H)	External	31.5 x 33.5 x 75.4" (80 x 85.2 x 191.5 cm)	40.3 x 33.5 x 75.8" (102.5 x 85.2 x 192.5 cm)	80.7 x 33.1 x 42.3" (205 x 84 x 107.5 cm)
	Internal	21.7 x 22.6 x 49.8" (55 x 57.5 x 126.5 cm)	30.1 x 22.6 x 49.8" (76.5 x 57.5 x 126.5 cm)	57.9 x 23.2 x 30.0" (147 x 59 x 76 cm)
Performance	Pull Down to -85°C	5.6 hrs.	5.5 hrs.	5 hrs.
	Sound	51 dBA	56 dBA	54 dBA
	Uniformity	±5°C	±5°C	±5°C
	Heat Output	505 Watts	520 Watts	580 Watts
Refrigerant		HC R170, HC R290	HC R170, HC R290	HC R170, HC R290
Weight	Net	576 lbs. (262 kg)	651 lbs. (296 kg)	669 lbs. (304 kg)
	Shipping	683 lbs. (310 kg)	720 lbs. (327 kg)	775 lbs. (352 kg)

For more details contact Appleton Woods on:

tel: 0121 472 7353

email: info@appletonwoods.co.uk

web: www.appletonwoods.co.uk



a culture of innovation

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