

New Brunswick™ Innova® Freezers

More capacity. Same freezer footprint.

When it comes to maximizing sample storage capacity, Innova freezers set the standard. They use advanced vacuum insulation panel technology to reduce freezer wall thickness. This provides up to 30 % more storage capacity than traditionally-insulated freezers without increasing the external dimensions.

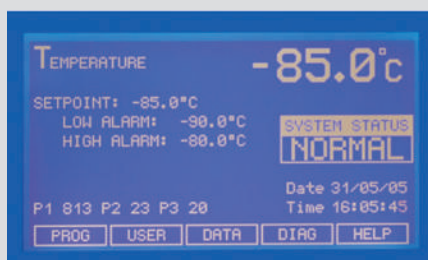
Upright Innova models have three separate interior compartments with gasketed, insulated doors for exceptional sample protection.

Six models are offered, including two unique models:

- > Ultra-slim Innova Upright Model U360 is just 67 cm wide, with handle, designed to fit in labs tight on space! It features our advanced new controller with extra-large display, data logging and graphing capability
- > For ultimate space savings, convenience, and security, upright Model U101 (shown below) fits under the bench, or can be stacked two high



Innova inner doors easily lift off hinges without tools to simplify cleaning



For total security the Innova U360 includes an advanced controller with user-programmable ID and passwords for up to eight users. Easy-to-read LCD screen provides a detailed record of alarms and alarm acknowledgements, door openings, and operating conditions with time-date stamp. Data is automatically stored for up to 30 days for on-screen graphing, and is downloadable to PC with optional communications ports for your strictest validation requirements. Built-in diagnostic screen enables a systems engineer to trouble-shoot most issues over the phone, saving you time and money. LCD measures 12 x 6.8 cm.



Innova Upright Model U101

101 Liters

Holds up to 6,000 samples

External dimensions (H x W x D):

83 x 90 x 56.6 cm



Innova Upright Model U360

360 Liters

Holds up to 25,200 samples

External dimensions (H x W x D):

195 x 67 x 86.7 cm



Innova Upright Model U535

535 Liters

Holds up to 33,600 samples

External dimensions (H x W x D):

195 x 80 x 86.7 cm



Innova Upright Model U725

725 Liters

Holds up to 50,400 samples

External dimensions (H x W x D):

195 x 102.5 x 86.7 cm



Innova Chest Model C585

585 Liters

Holds up to 41,600 samples

External dimensions (H x W x D):

109.2 x 169 x 78.5 cm



Innova Chest Model C760

760 Liters

Holds up to 57,200 samples

External dimensions (H x W x D):

109.2 x 205 x 78.5 cm

To allow for handles and hinges, add 80 mm to width of upright freezers and 110 mm to depth of chest freezers. Open doors on upright freezers add up to 150 mm.

See pages 14-15 for ordering information, detailed technical specifications and performance data.

Ordering information, technical specifications and performance data

Line		HEF® High Efficiency and Green Freezers				
Style		Upright	Upright	Upright	Chest	
Model No.		U725-G	HEF U410	HEF U570	HEF C660	
Catalog No.	120V, 60 Hz	—	U9260-0007	U9270-0007	—	
	208 - 230V, 60 Hz	—	—	—	U9250-0009	
	230V, 50 Hz	U9440-0005 (Air-Cooled) U9440-0004 (Water-Cooled)	U9260-0008	U9270-0008	U9250-0008	
Power	Electric/Mains (A)	120V, 60 Hz	—	16.5	16.5	—
		208 - 230V, 60 Hz	—	—	—	8
		230V, 50 Hz	9.5	5	6	6
	kWh per day ¹	120V, 60 Hz	—	8.6	12.2	—
		208 - 230V, 60 Hz	—	—	—	11.5
		230V, 50 Hz	12.2 (Air-Cooled)	8.4	8.9	11.4
Capacity	Overall	725 L	410 L	570 L	660 L	
	Compartments	3	5	5	—	
	Racks per shelf	6	3	5	—	
	Racks per freezer	18	15	25	40	
	Box capacity per rack	2 in (50 mm) box (H)	28	16	16	13
		3 in (75 mm) box (H)	20	12	12	9
		4 in (100 mm) box (H)	12	8	8	6
	Box capacity per freezer	2 in (50 mm) box (H)	504	240	400	520
		3 in (75 mm) box (H)	360	180	300	360
		4 in (100 mm) box (H)	216	120	200	240
	Sample capacity per freezer	2 in (50 mm) box (H)	50,400	24,000	40,000	52,000
		3 in (75 mm) box (H)	36,000	18,000	30,000	36,000
		4 in (100 mm) box (H)	21,600	12,000	20,000	24,000
	Performance	Pull down to -85° C (Hours) ²	120V, 60 Hz	—	5.8	6
208 - 230V, 60 Hz			—	—	—	6
230V, 50 Hz			4.8 (Air-Cooled)	4.7	4.7	5
Noise level (dB)		120V, 60 Hz	—	57	58.5	—
		208 - 230V, 60 Hz	—	—	—	61
		230V, 50 Hz	59	53	58	58.5
Heat output (Watts)		120V, 60 Hz	—	525	630	—
		208 - 230V, 60 Hz	—	—	—	580
		230V, 50 Hz	730 (Air-Cooled)	505	520	580
Refrigerant	60 Hz models	—	404A/508B	404A/508B	404A/508B	
	50 Hz models	R290/R170	R290/R170	R290/R170	R290/R170	
Dimensions ³	External	Height (cm)	195	191.5	192.5	107.5
		Width (cm)	102.5	80	102.5	205
		Depth (cm)	86.7	85.2	85.2	84
	Internal	Height (cm)	136.5	126.5	126.5	76
		Width (cm)	86.5	55	76.5	147
		Depth (cm)	61.5	57.5	57.5	59
Weight	Net weight (Kg)	315	262	296	304	
	Shipping weight (Kg)	365	310	327	352	

¹ Empty freezer with shelves fitted (upright freezers only), set point -80° C, 22 - 26° C ambient conditions.² Empty freezer with shelves fitted (upright freezers only), pull down from 22 - 26° C ambient conditions.³ Optional CO₂/LN₂ back-up systems add 8.65 cm (3.4 in) to height.

Innova® Freezers						Premium Freezers				
Upright	Upright	Upright	Upright	Chest	Chest	Upright	Upright	Upright	Chest	Chest
U101	U360	U535	U725	C585	C760	U410	U570	U700	C340	C660
U9420-0000	U9425-0000	U9430-0000	—	U9400-0000	—	U9260-0000	U9270-0000	U9280-0000	U9230-0000	—
—	—	U9430-0002	U9440-0002	U9400-002	U9410-0002	U9260-0002	U9270-0002	U9280-0002	—	U9250-0002
U9420-0001	U9425-0001	U9430-0001	U9440-0001	U9400-0001	U9410-0001	U9260-0001	U9270-0001	U9280-0003	U9230-0001	U9250-0001
13	16.5	16.5	—	16.5	—	16.5	16.5	13	16.5	—
—	—	9	10	9	10	8	9	8	—	8
5	6.5	5	9.5	5.5	9.5	5	6	7	4.5	6
6.4	11.7	13.2	—	13.9	—	13	14.2	15.9	10.3	—
—	—	13.2	16.4	13.9	16.8	13	14.2	15.9	—	15
8.8	10.7	13.2	15.8	13.6	16	10.8	11.8	15.9	8.8	14.3
101 L	360 L	535 L	725 L	585 L	760 L	410 L	570 L	700 L	340 L	660 L
2	3	3	3	—	—	5	5	5	—	—
3	3	4	6	—	—	3	5	6	—	—
6	9	12	18	32	44	15	25	30	20	40
10	28	28	28	13	13	16	16	16	13	13
6	20	20	20	9	9	12	12	12	9	9
4	12	12	12	6	6	8	8	8	6	6
60	252	336	504	416	572	240	400	480	260	520
36	180	240	360	288	396	180	300	360	180	360
24	108	144	216	192	264	120	200	240	120	240
6,000	25,200	33,600	50,400	41,600	57,200	24,000	40,000	48,000	26,000	52,000
3,600	18,000	24,000	36,000	28,800	39,600	18,000	30,000	36,000	18,000	36,000
2,400	10,800	14,400	21,600	19,200	26,400	12,000	20,000	24,000	12,000	24,000
3.5	5	5.3	—	4.3	—	4.1	5.3	5.9	3.4	—
—	—	5.3	5.2	4.3	5.8	4.1	5.3	4.8	—	6
3.7	5.6	5.3	5.6	4.5	5.8	5.3	5.2	6	3.8	5.8
54	54	56	—	56	—	57	58.5	61	58	—
—	—	56	59	56	58	57	58.5	61	—	58
54	54	56	59	56	58	55	56	59	56	57
344	623	720	—	700	—	600	700	755	580	—
—	—	720	750	700	750	600	700	755	—	650
440	590	720	750	700	750	650	700	755	580	650
404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B
404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B	404A/508B
83	195	195	195	109.2	109.2	191.5	192.5	195.9	107.5	107.5
90	67	80	102.5	169	205	80	102.5	112.1	134	205
56.6	86.7	86.7	86.7	78.5	78.5	85.2	85.2	87	84	84
64	136.5	136.5	136.5	78	78	126.5	126.5	131.6	76	76
48	44	64	86.5	120	156	55	76.5	86.7	76	147
33	61.5	61.5	61.5	62.5	62.5	57.5	57.5	61.3	59	59
116	230	250	315	240	285	235	265	279	205	280
141	240	298	363	298	333	283	313	372	248	328