

9 Technical data

9.1 Specifications

9.1.1 Upright freezers specifications

Model No.	U101	U535	U725
Part No.	U9420-000X*	U9430-000X*	U9440-000X*
Internal Dimensions: Height x Width x Depth	640 x 480 x 330 mm 25.2 x 18.9 x 13 in	1365 x 640 x 615 mm 53.7 x 25.2 x 24.2 in	1365 x 865 x 615 mm 53.7 x 34.0 x 24.2 in
External Dimensions: Height x Width x Depth	830 x 900 x 566 mm 32.7 x 35.4 x 22.3 in	1950 x 800 x 867 mm 76.8 x 31.5 x 34.1 in	1950 x 1025 x 867 mm 76.8 x 40.4 x 34.1 in
Capacity	101 Liters 3.6 cubic feet	535 Liters 18.9 cubic feet	725 Liters 25.6 cubic feet
Net Weight	116 kg 256 lb	250 kg 551 lb	315 kg 693 lb
Lock	Standard	Standard	Standard
No. Compartments	2	3	3
Interior	Stainless steel grade 304L		
Alarms	High/Low temperature, power fail, battery low, filter clean, fault		
Insulation Material	Vacuum insulation panels and urethane foam		
^Noise level	54 dB	56 dB	59 dB
Remote alarm port	Standard	Standard	Standard
RS-485 interface	Optional	Optional	Optional
Refrigerants:	High Stage Refrigerant: R404A / Low Stage Refrigerant: R508B		
‡Power Consumption:			
• 115 V electrical supply	267 Watts	550 Watts	N/A
• 208 - 230 V electrical supply	N/A	550 Watts	683 Watts
• 230 V electrical supply	367 Watts	550 Watts	658 Watts
Mains/Power Source and Current Rating:			
115 V, 60 Hz	13 A	16.5 A	N/A
208 - 230 V, 60 Hz	N/A	9 A	10 A
230 V, 50 Hz	5 A	5 A	9.5 A
Pull Down Time: From +25 °C to -85 °C (freezer empty; 240 V, 50 Hz electrical supply)			
	3.7 hours	5.3 hours	5.6 hours
Performance	-50 °C to -86 °C at 32 °C maximum ambient operating temperature		

Model No.	U101	U535	U725
Environmental Conditions	All freezers use components tested to CE/UL specifications listed below: <ul style="list-style-type: none"> • Indoor use • Altitude limit up to 2000 m (2187.23 yd) • Ambient temperature range 10 °C to 32 °C • Maximum relative humidity 80 % for temperatures up to 31 °C, decreasing linearly to 50 % relative humidity at 40 °C • Mains/power supply voltage fluctuations not to exceed ± 10 % of the nominal voltage • Installation category II • Pollution degree 2 		

* **X** = 0 for 115 V, 2 for 208 - 230 V (N/A for U101), or 1 for 230 V

^ Noise test conditions - Measurements taken from a distance of 1.5 m and 1 m from the floor. Background noise level = 30 dB

‡ Power consumption values are average readings conducted under controlled conditions - Freezer set to -80 °C, ambient 22 - 26 °C at rated mains/electrical supply. No load

9.1.2 Chest freezers specifications

Model No.	C585	C760
Part No.	U9400-000X*	U9410-000X*
Internal Dimensions: Height x Width x Depth	780 x 1200 x 625 mm 30.7 x 47.2 x 24.6 in	780 x 1560 x 625 mm 30.7 x 61.4 x 24.6 in
External Dimensions: Height x Width x Depth	1092 x 1690 x 785 mm 43 x 66.5 x 30.9 in	1092 x 2050 x 785 mm 43 x 80.7 x 30.9 in
Capacity	585 Liters 20.7 cubic feet	760 Liters 26.9 cubic feet
Net Weight	240 kg 528 lb	285 kg 627 lb
Lock	Standard	Standard
No. Compartments	N/A	N/A
Interior	Stainless steel grade 304L	
Alarms	High/Low temperature, power fail, battery low, filter clean, fault.	
Insulation Material	Vacuum insulation panels and urethane foam	
^Noise level	56 dB	58 dB
Remote alarm port	Standard	Standard
RS-485 interface	Optional	Optional
Refrigerants:	High Stage Refrigerant: R404A / Low Stage Refrigerant: R508B	
‡Power Consumption:		
• 115 V electrical supply	579 Watts	N/A
• 208 - 230 V electrical supply	579 Watts	700 Watts
• 230 V electrical supply	567 Watts	667 Watts
Mains/Power Source and Current Rating:		
115 V, 60 Hz	16.5 A	N/A
208 - 230 V, 60 Hz	9 A	10 A
230 V, 50 Hz	5.5 A	9.5 A
Pull Down Time: From +25 °C to -85 °C (freezer empty; 230 V, 50 Hz electrical supply)		
	4.5 hours	5.8 hours
Performance	-50 °C to -86 °C at 32 °C maximum ambient operating temperature	

Model No.	C585	C760
Environmental Conditions	All freezers use components tested to CE/UL specifications listed below: <ul style="list-style-type: none"> • Indoor use • Altitude limit up to 2000 m (2187.23 yd) • Ambient temperature range 10 °C to 32 °C • Maximum relative humidity 80 % for temperatures up to 31 °C, decreasing linearly to 50 % relative humidity at 40 °C • Mains/power supply voltage fluctuations not to exceed ± 10 % of the nominal voltage • Installation category II • Pollution degree 2 	

* **X** = 0 for 115 V, 2 for 208 - 230 V, or 1 for 230 V

^ Noise test conditions - Measurements taken from a distance of 1.5 m and 1 m from the floor. Background noise level = 30 dB

‡ Power consumption values are average readings conducted under controlled conditions - Freezer set to -80 °C, ambient 20 - 25 °C at rated mains/electrical supply. No load