



Sample Handling



Model	CryoCube® F740hi, 3 c./ CryoCube® F740hi, 5 c.	CryoCube® F740hiw, 3 c./ CryoCube® F740hiw, 5 c.	CryoCube® F740h, 3c./ CryoCube® F740h, 5c.
Page(s)	272/278	272/278	272/278
Insulation	Vacuum insulation paneling / polyurethane foam	Vacuum insulation paneling / polyurethane foam	Vacuum insulation paneling / polyurethane foam
Wall Thickness	Type B	Type B	Type B
Capacity	740 L	740 L	740 L
No. of internal doors	3	3	3
No. of compartments	3/5	3/5	3/5
Max. racks per freezer	18/30	18/30	18/30
Box capacity per rack			
53 mm (2 in) tall boxes	32/16	32/16	32/16
76 mm (3 in) tall boxes	20/8	20/8	20/8
127 mm (5 in) tall boxes	12	12	12
Box capacity per freezer			
53 mm (2 in) tall boxes	576/528	576/528	576/528
76 mm (3 in) tall boxes	360/288	360/288	360/288
102 mm (4 in) tall boxes	288/264	288/264	288/264
Sample capacity			
53 mm (2 in) tall boxes	57,600/52,800	57,600/52,800	57,600/52,800
Dimensions (W × D × H) ¹⁾²⁾³⁾	109.9 × 98 × 197.3 cm	109.9 × 98 × 197.3 cm	109.9 × 91.5 × 197.3 cm
Dimensions internal (W × D × H)	86.5 × 62.1 × 139 cm	86.5 × 62.1 × 139 cm	86.5 × 62.1 × 139 cm
Weight w/o accessories	315 kg/333 kg	320 kg/328 kg	308 kg/317 kg
Shipping weight	364 kg/382 kg	369 kg/377 kg	357 kg/366 kg
Pull-down time to -80 °C ⁴⁾	4 h 10 min	4 h 10 min	4 h 10 min
Noise level	41.3 dBA	41.3 dBA	47.8 dBA
Heat output	438 W	442 W	492 W
Power supply	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Power consumption Eppendorf freezer ⁵⁾	10.5 kWh/day	10.6 kWh/day	11.8 kWh/day
Max. power consumption per 53 mm box ⁵⁾	18 Wh/day/20 Wh/day	18 Wh/day/20 Wh/day	21 Wh/day/22 Wh/day
Interior	Stainless steel	Stainless steel	Stainless steel
Password protection of setpoints	yes	yes	yes
Extras	Automatic vent port	Automatic vent port	Automatic vent port
Cooling liquid	R290 / R170	R290 / R170	R290 / R170
Remote Device Monitoring and Notifications (VisioNize®)	VisioNize-onboard	VisioNize-onboard	VisioNize-qualified

¹⁾ Optional CO₂/LN₂ backup systems add 8.65 cm/3.5 in to height. ²⁾ To allow for handles and hinges, add 80 mm to width of upright freezers and 110 mm to the depth of chest freezers. ³⁾ Door open adds up to 15 cm. ⁴⁾ Empty freezer with shelves fitted, upright freezers only, pull down from 20 – 22 °C ambient conditions. ⁵⁾ Empty freezer with shelves fitted, upright freezers only, set point -80 °C, 20 – 22 °C ambient conditions.



Product appearance and specifications are subject to change without notice.



CryoCube® F570h	CryoCube® F570hw	CryoCube® F570
272/278	272/278	272/278
Vacuum insulation paneling / polyurethane foam	Vacuum insulation paneling / polyurethane foam	Polyurethane foam
Type C	Type C	Type A
570 L	570 L	570 L
5		5
25	25	25
16	16	16
8	8	8
400	400	400
200	200	200
40,000	40,000	40,000
102.5 × 85.2 × 194 cm	102.5 × 85.2 × 194.0 cm	102.5 × 85.2 × 194 cm
76.5 × 57.5 × 126.5 cm	76.5 × 57.5 × 126.5 cm	76.5 × 57.5 × 126.5 cm
296 kg	296 kg	270 kg
341 kg	341 kg	315 kg
3 h 30 min	3 h 45 min	4 h
59.1 dBA	56.0 dBA	59.5 dBA
316 W	325 W	438 W
230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
7.6 kWh/day	7.8 kWh/day	10.5 kWh/day
19 Wh/day	19.5 Wh/day	26.3 Wh/day
Stainless steel	Stainless steel	Stainless steel
yes	yes	yes
Automatic vent port	Automatic vent port, water-cooled	Automatic vent port
R290 / R170	R290 / R170	R404A / R508B
VisioNize-qualified	VisioNize-qualified	VisioNize-qualified



On page 392 you will find detailed information on services for these products!



Sample Handling



Model	Innova® U535	HEF® U410
Page(s)	272/278	272/278
Insulation	Vacuum insulation paneling / polyurethane foam	Vacuum insulation paneling / polyurethane foam
Wall Thickness	Type B	Type C
Capacity	535 L	410 L
No. of internal doors	3	5
No. of compartments	3	5
Max. racks per freezer	12	15
Box capacity per rack		
53 mm (2 in) tall boxes	28	16
76 mm (3 in) tall boxes	20	8
127 mm (5 in) tall boxes	12	
Box capacity per freezer		
53 mm (2 in) tall boxes	336	240
76 mm (3 in) tall boxes	240	120
102 mm (4 in) tall boxes	144	120
Sample capacity		
53 mm (2 in) tall boxes	33,600	24,000
Dimensions (W x D x H) ¹⁾²⁾³⁾	80 x 86.7 x 195 cm	80 x 85.2 x 193.0 cm
Dimensions internal (W x D x H)	64 x 61.5 x 136.5 cm	55 x 57.5 x 126.5 cm
Weight w/o accessories	250 kg	262 kg
Shipping weight	296 kg	307 kg
Pull-down time to -80 °C ⁴⁾	4 h	3 h 30 min
Noise level	56 dBA	53 dBA
Heat output	550 W	350 W
Power supply	230 V, 50 Hz	230 V, 50 Hz
Power consumption Eppendorf freezer ⁵⁾	13.2 kWh/day	8.4 kWh/day
Max. power consumption per 53 mm box ⁵⁾	39.3 Wh/day	35 Wh/day
Interior	Stainless steel	Stainless steel
Password protection of setpoints	yes	yes
Extras	–	–
Cooling liquid	R404A / R508B	R290 / R170
Remote Device Monitoring and Notifications (VisioNize®)	VisioNize-qualified	VisioNize-qualified

¹⁾ Optional CO₂/LN₂ backup systems add 8.65 cm/3.5 in to height. ²⁾ To allow for handles and hinges, add 80 mm to width of upright freezers and 110 mm to the depth of chest freezers. ³⁾ Door open adds up to 15 cm. ⁴⁾ Empty freezer with shelves fitted, upright freezers only, pull down from 20 – 22 °C ambient conditions. ⁵⁾ Empty freezer with shelves fitted, upright freezers only, set point -80 °C, 20 – 22 °C ambient conditions. ⁶⁾ 115 V version coming soon



New

Premium U410	Innova® U360	CryoCube® F101h ⁶⁾
272/278	272/278	272/278
Polyurethane foam	Vacuum insulation paneling / polyurethane foam	Vacuum insulation paneling / polyurethane foam
Type A	Type B	Type B
410 L	360 L	101 L
5	3	2
5	3	2
15	9	6
16	28	10
8	20	6
	12	4
240	252	60
120	180	36
120	108	24
24,000	25,200	6,000
80 x 85.2 x 193 cm	67 x 86.7 x 195 cm	90 x 56.6 x 83 cm
55 x 57.5 x 126.5 cm	44 x 61.5 x 136.5 cm	48 x 33 x 64 cm
235 kg	230 kg	123 kg
280 kg	266 kg	152 kg
4 h 30 min	5 h 30 min	140 min
55 dBA	56 dBA	55 dBA
650 W	445 W	263 W
230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
10.8 kWh/day	10.7 kWh/day	6.3 kWh/day
45 Wh/day	42.5 Wh/day	105 Wh/day
Stainless steel	Stainless steel	Stainless steel
yes	yes	yes
–	–	Stackable, fits below bench
R404A / R508B	R404A / R508B	R290 / R170
VisioNize-qualified	VisioNize-qualified	VisioNize-qualified



On page 392 you will find detailed information on services for these products!





Sample Handling



Model	Innova® C760	CryoCube® FC660h
Page(s)	272/278	272/278
Insulation	Vacuum insulation paneling / polyurethane foam	Vacuum insulation paneling / polyurethane foam
Wall Thickness	Type B	Type C
Capacity	760 L	660 L
No. of internal doors		
No. of compartments	N/A	N/A
Max. racks per freezer	40	40
Box capacity per rack		
53 mm (2 in) tall boxes	14	13
76 mm (3 in) tall boxes	9	9
127 mm (5 in) tall boxes	5	5
Box capacity per freezer		
53 mm (2 in) tall boxes	560	520
76 mm (3 in) tall boxes	360	360
102 mm (4 in) tall boxes	280	280
Sample capacity		
53 mm (2 in) tall boxes	56,000	52,000
Dimensions (W x D x H) ¹⁾²⁾³⁾	205 x 82.5 x 109.2 cm	207 x 84 x 107.5 cm
Dimensions internal (W x D x H)	156 x 62.5 x 78 cm	147 x 59 x 76 cm
Weight w/o accessories	285 kg	304 kg
Shipping weight	358 kg	379 kg
Pull-down time to -80 °C ⁴⁾	3 h	2 h 50 min
Noise level	58 dBA	58.3 dBA
Heat output	667 W	338 W
Power supply	230 V, 50 Hz	230 V, 50 Hz
Power consumption Eppendorf freezer ⁵⁾	16 kWh/day	8.1 kWh/day
Max. power consumption per 53 mm box ⁵⁾	28 Wh/day	15.6 Wh/day
Interior	Stainless steel	Stainless steel
Password protection of setpoints	yes	yes
Extras	30 mm thick inner lids for temp uniformity	30 mm thick inner lids for temp uniformity
Cooling liquid	R404A / R508B	R290 / R170
Remote Device Monitoring and Notifications (VisioNize®)	VisioNize-qualified	VisioNize-qualified

¹⁾ Optional CO₂/LN₂ backup systems add 8.65 cm/3.5 in to height. ²⁾ To allow for handles and hinges, add 80 mm to width of upright freezers and 110 mm to the depth of chest freezers. ³⁾ Door open adds up to 15 cm. ⁴⁾ Empty freezer with shelves fitted, upright freezers only, pull down from 20 – 22 °C ambient conditions. ⁵⁾ Empty freezer with shelves fitted, upright freezers only, set point -80 °C, 20 – 22 °C ambient conditions.

CryoCube® FC660	Innova® C585
272/278	272/278
Polyurethane foam	Vacuum insulation paneling / polyurethane foam
Type A	Type B
660 L	585 L
N/A	N/A
40	32
13	14
9	9
5	5
520	448
360	288
280	224
52,000	44,800
207 x 84 x 107.5 cm	169 x 82.5 x 109.2 cm
147 x 59 x 76 cm	120 x 62.5 x 78 cm
280 kg	240 kg
328 kg	310 kg
3 h 15 min	4 h
58.9 dBA	56 dBA
440 W	567 W
230 V, 50 Hz	230 V, 50 Hz
10.6 kWh/day	13.6 kWh/day
20.4 Wh/day	30.3 Wh/day
Stainless steel	Stainless steel
yes	yes
30 mm thick inner lids for temp uniformity	30 mm thick inner lids for temp uniformity
R404A / R508B	R404A / R508B
VisioNize-qualified	VisioNize-qualified