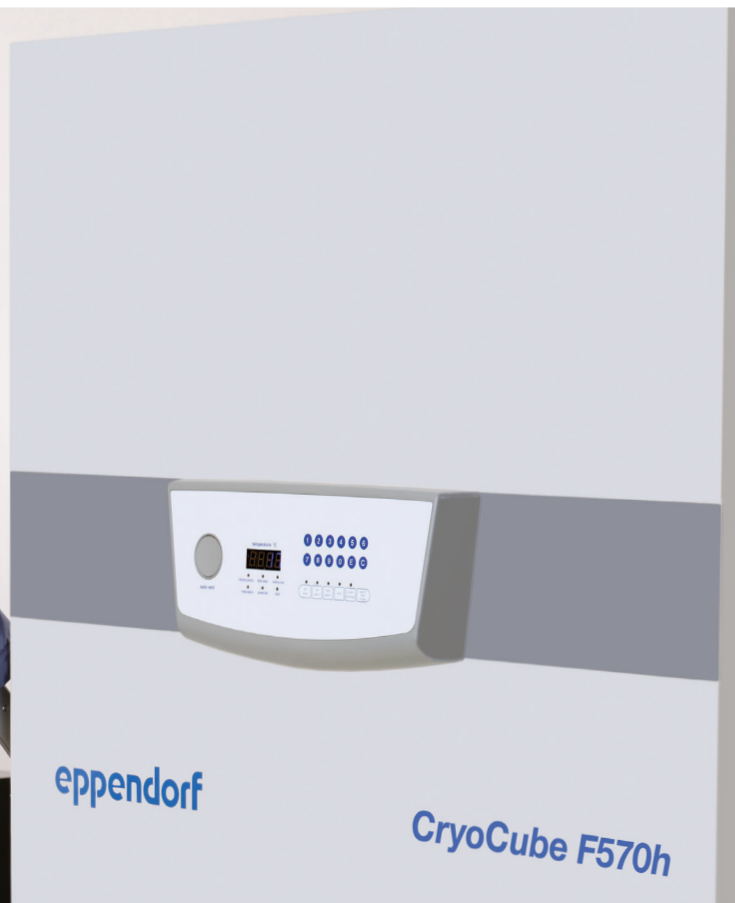


New Eppendorf Freezers –
Sample security meets the latest in
energy efficiency



Stay Cool

CryoCube® ULT Freezers: Efficiency has a new name

»You can trust CryoCube® ULT Freezers with your most valuable samples.«

The complete storage solution

CryoCube ultra-low temperature freezers combine maximum sample security with improved functionality. New advancements decrease power consumption and make CryoCube freezers more comfortable to use. Eppendorf quality means years of trouble-free operation and dependable support.

Convenience

- > Quick door opening and improved temperature uniformity with new automatic vent port located within the user interface
- > Reduced energy consumption with high-efficiency fan, compressor, and condenser

Comfort

- > Easy opening with new ergonomic handle that requires less force

Sample security

- > Easy access to samples with new magnetic closures on inner doors



CryoCube® F570 & FC660

Uncompromising quality

To protect your precious samples, CryoCube freezers are built with reliability in mind. Constructed from premium components, they ensure consistent performance and preservation year after year.



Reduce your carbon footprint

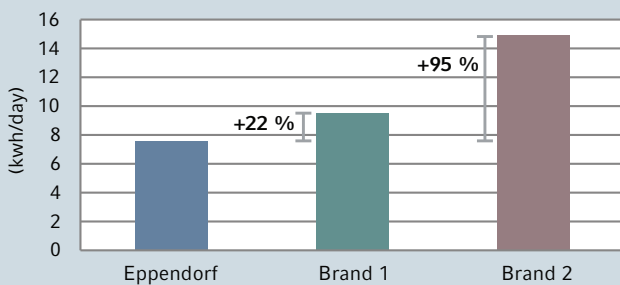
The CryoCube F570h and FC660h (high energy efficiency models) further improve energy efficiency by up to 25 %, compared to the F570 and FC660. They combine all the enhanced technology of the F570 and the FC660 with additional vacuum insulation coverage.

CryoCube® F570h & FC660h

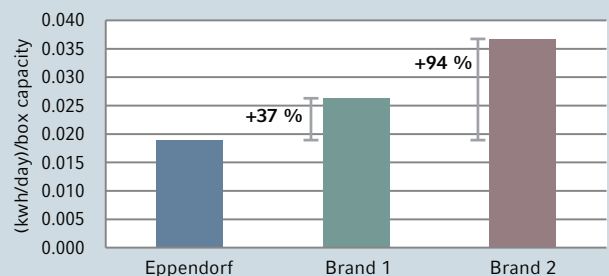


Performance tests conducted by Eppendorf in July 2014 using CryoCube F570h freezers and competitor models of comparable size, refrigerant (hydrocarbon), and capacity. All tests were performed under the same conditions at -80 °C in ambient temperature.

Power Consumption



Power Consumption by Capacity



CryoCube® Freezers*

| Style | | | Upright | Upright | Chest | Chest | |
|-------------------------|-----------------------------|--|--------------|------------|------------|------------|-----------|
| Model | | | F570 | F570h | FC660 | FC660h | |
| Order No. | 120 V, 60 Hz † | | F570200005 | F570220005 | — | — | |
| | 208 - 230 V, 60 Hz‡ | | F570400005 | — | F660400005 | F660420005 | |
| | 230 V, 50 Hz‡ | | F570300001 | F570320001 | F660300001 | F660320001 | |
| Power | Mains/power supply (A) | 115 V, 60 Hz | 16.5 | 16.5 | — | — | |
| | | 208 - 230 V, 60 Hz | 6.5 | — | 8.0 | 8.0 | |
| | | 230 V, 50 Hz | 7.0 | 7.0 | 6.0 | 6.0 | |
| | kWh per day ¹ | 115 V, 60 Hz | 11.8 | 9.2 | — | — | |
| | | 208 - 230 V, 60 Hz | 11.9 | — | 11.7 | 9.5 | |
| | | 230 V, 50 Hz | 10.5 | 7.6 | 10.6 | 9.0 | |
| Capacity | Overall | | 570 L | 570 L | 660 L | 660 L | |
| | Compartments | | 5 | 5 | — | — | |
| | Racks per shelf | | 5 | 5 | — | — | |
| | Racks per freezer | | 25 | 25 | 40 | 40 | |
| | Box capacity per rack | 2 in (50 mm) box (H) | 16 | 16 | 13 | 13 | |
| | | 3 in (75 mm) box (H) | 12 | 12 | 9 | 9 | |
| | | 4 in (100 mm) box (H) | 8 | 8 | 6 | 6 | |
| | Box capacity per freezer | 2 in (50 mm) box (H) | 400 | 400 | 520 | 520 | |
| | | 3 in (75 mm) box (H) | 300 | 300 | 360 | 360 | |
| | | 4 in (100 mm) box (H) | 200 | 200 | 240 | 240 | |
| | Sample capacity per freezer | 2 in (50 mm) box (H) | 40,000 | 40,000 | 52,000 | 52,000 | |
| | | 3 in (75 mm) box (H) | 30,000 | 30,000 | 36,000 | 36,000 | |
| | | 4 in (100 mm) box (H) | 20,000 | 20,000 | 24,000 | 24,000 | |
| | Performance | Pull down to -85 °C (Hours) ² | 115 V, 60 Hz | 5.5 | 5.0 | — | — |
| 208 - 230 V, 60 Hz | | | 4.9 | — | 4.8 | 4.6 | |
| 230 V, 50 Hz | | | 5.1 | 4.3 | 4.4 | 4.0 | |
| Noise level (dB) | | 115 V, 60 Hz | 58.5 | 58.5 | — | — | |
| | | 208 - 230 V, 60 Hz | 58.5 | — | 58.0 | 60.1 | |
| | | 230 V, 50 Hz | 59.5 | 59.1 | 58.9 | 58.5 | |
| Heat output (Watts) | | 115 V, 60 Hz | 500 | 400 | — | — | |
| | | 208 - 230 V, 60 Hz | 500 | — | 500 | 396 | |
| | | 230 V, 50 Hz | 438 | 316 | 440 | 350 | |
| Refrigerant | | 60 Hz models | | 404A/508B | 404A/508B | 404A/508B | 404A/508B |
| | | 50 Hz models | | 404A/508B | R290/R170 | 404A/508B | R290/R170 |
| Dimensions ³ | | External | Height (cm) | 194.0 | 194.0 | 109.0 | 109.0 |
| | Width (cm) | | 102.5 | 102.5 | 207.0 | 207.0 | |
| | Depth (cm) | | 85.2 | 85.2 | 84.5 | 84.5 | |
| | Internal | Height (cm) | 126.5 | 126.5 | 76.0 | 76.0 | |
| | | Width (cm) | 76.5 | 76.5 | 147.0 | 147.0 | |
| | | Depth (cm) | 57.5 | 57.5 | 59.0 | 59.0 | |
| Weight | Net weight (Kg) | | 270 | 296 | 280 | 304 | |
| | Shipping weight (Kg) | | 315 | 341 | 328 | 352 | |

* Specifications subject to change.

† USA (NEMA) regional plug.

‡ Shucko & UK plug. Last digit is country dependent. For Australia, change 1 to 3; for China, change 1 to 4; for Argentina change 1 to 8; for Brazil change 1 to 9.

¹ Empty freezer with shelves fitted (upright freezers only), set point -80 °C, 21 – 23 °C ambient conditions.

² Empty freezer with shelves fitted (upright freezers only), pull down from 21 – 23 °C ambient conditions.

³ Optional CO₂/LN₂ back-up systems add 8.65 cm (3.4 in) to height; 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.

Your local distributor: www.eppendorf.com/contact

Eppendorf AG · 22331 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com

www.eppendorf.com/freezer