



Model	Premium U410
Insulation	Polyurethane foam
Wall Thickness	Type A
Capacity	410 L
No. of internal doors	5
No. of compartments	5
Max. racks per freezer	15
Box capacity per rack	
5 cm (2 in) tall boxes	16
7.5 cm (3 in) tall boxes	8
10 cm (4 in) tall boxes	8
Box capacity per freezer	
5 cm (2 in) tall boxes	240
7.5 cm (3 in) tall boxes	120
10 cm (4 in) tall boxes	120
Sample capacity	
5 cm (2 in) tall boxes	24,000
Dimensions (W x D x H)¹⁾²⁾³⁾	80 x 85.2 x 193 cm
Dimensions internal (W x D x H)	55 x 57.5 x 126.5 cm
Weight w/o accessories	235 kg
Shipping weight	280 kg
Pull-down time to -80 °C (230 V)⁴⁾	4 h 30 min
Noise level	55 dB
Heat output (230 V)	650 W
Power supply	230 V, 50 Hz
Power consumption	10.8 kWh/day
Eppendorf freezer (230/115 V)⁵⁾	13.0 kWh/day
Max. power consumption per 5 cm box (230 V)⁵⁾	45 Wh/day
Interior	Stainless steel
Password protection of setpoints	yes
Extras	-
Cooling liquid	R404A / R508B

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.