

Technical specification information for Carbolite HTF range of furnaces

Model	HTF 17/5	HTF 17/10	HTF 18/4	HTF 18/8
Maximum operating temperature (°C)	1700	1700	1800	1800
Maximum continuous operating temperature (°C)	1600	1600	1700	1700
Chamber dimensions (mm – h x w x d)	158 x 150 x 225	232 x 200 x 225	140 x 140 x 190	210 x 190 x 190
External dimensions (mm – h x w x d) with door closed with door open height to top of chimney	565 x 830 x 650 870 x 830 x 650 665			
Volume (l)	5.3	10.4	3.7	7.6
Maximum furnace load (kg)	2.5	5.0	2.1	4.2
Weight (kg)	87	106	98	114
Heat up time (minutes to 100°C below maximum temperature)	50	44	65	56
Power rating @ 230V single phase 50/60Hz (W)	4190	5920	4650	6200
Temperature stability (chimney open)	Better than $\pm 0.5^{\circ}\text{C}$ (instrument resolution)			
Holding power (W) @ 1000°C 1200°C 1400°C 1600°C 1700°C 1800°C	1290 1672 2105 2667 2985 --	1589 2043 2567 3243 3683 --	1204 1526 1942 2460 2772 3108	1524 1901 2425 3083 3453 3897
Temperature uniformity @ 1000°C 1200°C 1400°C 1600°C 1800°C	$\pm 8.5^{\circ}\text{C}$ over 90mm $\pm 7^{\circ}\text{C}$ over 100mm $\pm 5^{\circ}\text{C}$ over 120mm $\pm 4^{\circ}\text{C}$ over 130mm	$\pm 12.5^{\circ}\text{C}$ over 105mm $\pm 10^{\circ}\text{C}$ over 113mm $\pm 6.5^{\circ}\text{C}$ over 125mm $\pm 4^{\circ}\text{C}$ over 151mm	$\pm 8.5^{\circ}\text{C}$ over 113mm $\pm 7^{\circ}\text{C}$ over 129mm $\pm 5^{\circ}\text{C}$ over 109mm $\pm 4^{\circ}\text{C}$ over 113mm	$\pm 8.5^{\circ}\text{C}$ over 110mm $\pm 7^{\circ}\text{C}$ over 120mm $\pm 5^{\circ}\text{C}$ over 127mm $\pm 4^{\circ}\text{C}$ over 123mm
Voltage supplies available	208, 220, 230 & 240V single phase 50/60Hz	208, 220, 230 & 240V single phase 50/60Hz 380, 400, & 415 2-phase – 50/60Hz	208, 220, 230 & 240V single phase 50/60Hz	208, 220, 230 & 240V single phase 50/60Hz 380, 400, & 415 2-phase – 50/60Hz