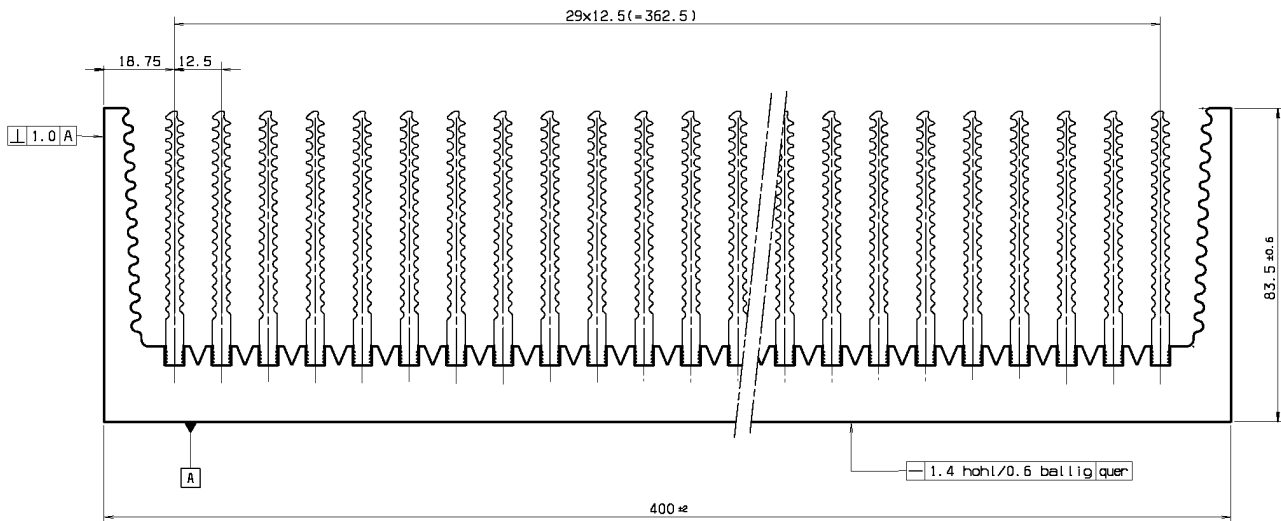


High Performance Convection Heat Sink



Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
50 mm	2.0 kg	0.43 K/W	0.12 K/W
60 mm	2.4 kg	0.36 K/W	0.100 K/W
70 mm	2.9 kg	0.32 K/W	0.086 K/W
80 mm	3.3 kg	0.29 K/W	0.076 K/W
90 mm	3.7 kg	0.26 K/W	0.068 K/W
100 mm	4.1 kg	0.24 K/W	0.062 K/W
110 mm	4.5 kg	0.22 K/W	0.057 K/W
120 mm	4.9 kg	0.21 K/W	0.052 K/W
130 mm	5.3 kg	0.20 K/W	0.049 K/W
140 mm	5.7 kg	0.19 K/W	0.046 K/W
150 mm	6.1 kg	0.18 K/W	0.043 K/W
160 mm	6.5 kg	0.17 K/W	0.040 K/W
170 mm	6.9 kg	0.16 K/W	0.038 K/W
180 mm	7.3 kg	0.16 K/W	0.036 K/W
190 mm	7.8 kg	0.15 K/W	0.035 K/W
200 mm	8.2 kg	0.15 K/W	0.033 K/W
210 mm	8.6 kg	0.14 K/W	0.032 K/W
220 mm	9.0 kg	0.14 K/W	0.031 K/W

Length	Mass	Thermal Resistance	
		free convection	5 m/s air flow
230 mm	9.4 kg	0.13 K/W	0.030 K/W
240 mm	9.8 kg	0.13 K/W	0.029 K/W
250 mm	10.2 kg	0.13 K/W	0.028 K/W
275 mm	11.2 kg	0.12 K/W	0.026 K/W
300 mm	12.2 kg	0.12 K/W	0.024 K/W
325 mm	13.3 kg	0.11 K/W	0.022 K/W
350 mm	14.3 kg	0.11 K/W	0.021 K/W
375 mm	15.3 kg	0.10 K/W	0.020 K/W
400 mm	16.3 kg	0.100 K/W	0.019 K/W
425 mm	17.3 kg	0.097 K/W	0.018 K/W
450 mm	18.4 kg	0.095 K/W	0.017 K/W
475 mm	19.4 kg	0.093 K/W	0.017 K/W
500 mm	20.4 kg	0.091 K/W	0.016 K/W
550 mm	22.4 kg	0.087 K/W	0.015 K/W
600 mm	24.5 kg	0.084 K/W	0.014 K/W
650 mm	26.5 kg	0.082 K/W	0.014 K/W
700 mm	28.6 kg	0.080 K/W	0.013 K/W
750 mm	30.6 kg	0.078 K/W	0.012 K/W

The values for the thermal resistance above are valid for full sized isothermal heating. Using small sized single spotted heat sources increases the thermal resistance depending on size, number and orientation of the heat sources.