



Some thermal performance figures shown in this catalogue are given for natural air convection cooling. For forced air cooling the above graph may be used to obtain the relevant correction factor against a known air velocity.

e.g. The thermal resistance is 0.37deg/watt. Assuming this heat sink is placed in an air velocity of 2.0 m/s then 0.37x0.435 becomes 0.16 deg/watt approx.

To convert a known cfm to m/s for a particular heat sink, the following equation may be used :

$$\text{m/s} = \frac{471 \text{ cfm}}{\text{NHW}}$$

where: m/s = metres per second
 cfm = cubic feet per minute
 N = number of channels
 H = channel height (mm)
 W = channel width (mm)