

Parameters	Units	Value
Specific heat of gas at constant volume	$\text{J kg}^{-1} \text{K}^{-1}$	717
Specific heat of air at constant volume	$\text{J kg}^{-1} \text{K}^{-1}$	1340
Specific heat of solid	$\text{J kg}^{-1} \text{K}^{-1}$	1100
Specific heat of gas at constant pressure	$\text{J kg}^{-1} \text{K}^{-1}$	1000
Specific heat of air at constant pressure	$\text{J kg}^{-1} \text{K}^{-1}$	1810
Density of air at vent height	$\text{kg m}^{-3}$	1.104
Pressure at vent height	Pa	84 363.4