

Units and Conversion Factors

from	to	Multiplication coefficient	from	to	Multiplication coefficient
m	in	39.37	kN/m ²	atm	0.009869
m	ft	3.28	kg/m ³	lb/ft ³	0.06243
in	ft	0.083	X °F	X K	5/9(X-32)+273
m ²	in ²	1550	X °F	X °C	5/9(X-32)
m ²	ft ²	10.764	X K	X °C	X-273
in ²	ft ²	0.0069	BTU	kcal	0.252
m ³	in ³	61023.38	BTU	kj	1.055
m ³	ft ³	350315	BTU	kWh	0.00029
m ³	UK gal	219.975	kcal	kj	4.187
m ³	litro	1000	kcal	kWh	0.00116
in ³	ft ³	0.0005783	kj	kWh	0.00028
in ³	UK gal	0.0036	BTU/lb	kcal/kg	0.55556
in ³	litro	0.016387	BTU/lb	kj/kg	2.3263
ft ³	UK gal	6.2317	kcal/kg	kj/kg	4.187
UK gal	litro	4.546	BTU/lb °F	kcal/kg °C	1
kg	tonnellate	0.001	BTU/lb °F	kj/kg K	4.1912
kg	ton	0.000984	kcal/kg °C	kj/kg K	4.187
kg	lb	2.2046	W/mK	kcal/mh °C	0.86
tonnellate	ton	0.984204	W/mK	BTU/fth °F	0.578
tonnellate	lb	2204.6	W/mK	BTUin/ft ² h°F	6.933
ton	lb	2169.78	kcal/mh °C	BTU/fth °F	0.672
N	kgf	0.102	kcal/mh °C	BTUin/ft ² h°F	8.064
N	lbf	0.2248	BTU/ft h °F	BTUin/ft ² h°F	12
kgf	lbf	2.204	W/m ² K	kcal/m ² h °C	0.86
m/s	ft/s	3.2808	W/m ² K	BTU/in ² h °F	0.00122
m/min	ft/min	196.85	W/m ² K	BTU/ft ² h °F	0.1761
W	hp	1.341	kcal/m ² h °C	BTU/in ² h °F	0.00142
W	BTU/h	3.412	kcal/m ² h °C	BTU/ft ² h °F	0.2048
hp	BTU/h	2.544	BTU/in ² h °F	BTU/ft ² h °F	144
lbf/in ²	lbf/ft ²	144	mK/W	mh °C/kcal	1.163
lbf/in ²	kgf/m ²	703	mK/W	Ft ² h°F/BTUin	0.14423
lbf/in ²	kN/m ²	6.895	mh °C/kcal	Ft ² h°F/BTUin	0.124
lbf/in ²	atm	0.06806	W/m ²	kcal/m ² h	0.86
lbf/ft ²	kgf/m ²	4.883	W/m ²	BTU/ft ² h	0.317
lbf/ft ²	kN/m ²	0.04788	kcal/m ² h	BTU/ft ² h	0.3687
lbf/ft ²	atm	0.0004725	W/m	kcal/mh	0.86
kgf/m ²	kN/m ²	0.00981	W/m	BTU/fth	1.04
kgf/m ²	atm	0.0000967	kcal/mh	BTU/fth	1.209
kN/m ²	kPa	1			