



Omvandlingstabell

Area				Heat Transfer Coefficient			
m ²	in ²	ft ²	yd ²	W/m ² K W/m ² °C	kcal/m ² hK kcal/m ² °C	cal/cm ² sK	Btu/ft ² h °F
1	1,55000*10 ³	10,7639	1,19599	1	0,859845	23,8846*10 ⁻⁶	0,176110
0,64516*10 ⁻³	1	6,94444*10 ⁻³	0,771605*10 ⁻³	1,163	1	27,7778*10 ⁻⁶	0,204816
92,9030*10 ⁻³	1,44	1	0,111111	41,868*10 ³	36*10 ³	1	7,37338*10 ³
0,836127	1,296*10 ³	9	1	5,67826	4,88243	135,623*10 ⁻⁶	1

Density				Thermal conductivity				
kg/m ³	g/cm ³ kg/dm ³	lb/in ³	lb/ft ³	W/m K	kcal/ m h K	cal/ cm s K	Btu/ ft h °F	Btu in /ft ² h °F
1	10 ⁻³	36,1273*10 ⁻⁶	62,4280*10 ⁻³	1	0,859845	2,38846*10 ⁻³	0,577789	6,93347
10 ³	1	36,1273*10 ⁻³	62,4280	1,163	1	2,77778*10 ⁻³	0,671969	8,06363
27,6799*10 ³	27,6799	1	1,728*10 ³	148,68	360	1	241,909	2,90291*10 ³
16,0185	16,0185*10 ⁻³	0,578704*10 ⁻³	1	1,73073	1,48816	4,13379*10 ⁻³	1	12
				0,144228	0,124014	0,344482*10 ⁻³	0,0833333	1

Heat Exchanged							
W Nm/s, J/s	kpm/s	kcal/s	kcal/h	hk	hp (UK, us)	ft*lb/s	Btu/h
1	0,101972	0,238846*10 ⁻³	0,859845	1,35962*10 ⁻³	1,34102*10 ⁻³	0,737562	3,41214
9,80665	1	2,34228*10 ⁻³	8,43220	13,3333*10 ⁻³	13,1509*10 ⁻³	7,23301	33,4617
4,1868*10 ³	426,935	1	3,6*106	5,69246	5,61459	3,08803*10 ³	14,2860*10 ³
1,163	0,118593	0,277778*10 ⁻³	1	1,58124*10 ⁻³	1,55961*10 ⁻³	0,857785	3,96832
735,499	75	0,175671	632,415	1	0,986320	542,476	2,50963*10 ³
745,700	76,0402	0,178107	641,186	1,01387	1	550	2,54443*10 ³
1,35582	0,138255	0,323832*10 ⁻³	1,16579	1,84340*10 ⁻³	1,81818*10 ⁻³	1	1,62624
0,293071	29,8849*10 ⁻³	69,9988*10 ⁻⁶	0,251996	0,398467*10 ⁻³	0,393015*10 ⁻³	0,216158	1

Heat Flux		Kinematic viscosity, diffusion			Dynamic viscosity					
W/m ²	kcal/m ² h	cal/cm ² s	Btu/ft ² h	m ² /s	mm ² /s cSt	St (stoke)	Ns/m ² kg/s m	N s/mm ²	P (Poise)	cP g/ s m
1	0,859845	23,8846*10 ⁻⁶	0,316998	1	10 ⁶	10*10 ³	1	10 ⁻⁶	10	10 ³
1,163	1	27,7778*10 ⁻⁶	0,368669	10 ⁻⁶	1	10*10 ⁻³	106	1	10*10 ⁶	10 ⁹
41,868*10 ³	36*10 ³	1	13,2721*10 ³	0,1*10 ⁻³	100	1	0,1	0,1*10 ⁻⁶	1	100
3,15459	2,71246	75,3461*10 ⁻⁶	1				10 ⁻³	10 ⁻⁹	10*10 ⁻³	1

Length				Velocity				
m	in	ft	yd	mile	m/s	km/h	ft/s	mile/h
1	39,3701	3,28084	1,09361	0,621371*10 ⁻³	1	3,6	3,28084	2,23694
25,4*10 ⁻³	1	83,3333*10 ⁻³	27,7778*10 ⁻³	15,7828*10 ⁻⁶	0,277778	1	0,911344	0,621371
0,3048	12	1	0,333333	0,189394*10 ⁻³	0,3048	1,09728	1	0,681818
0,9144	23	3	1	0,568182*10 ⁻³	0,44704	1,609344	1,46667	1
1,609344*10 ³	63,36*10 ³	5,28*10 ³	1,76*10 ³	1				

Mass							
Kg	lb. (pound)	slug	oz (ounce)	cwt. (hundred weight)	ton (UK)	sh cwt. (short hundred weight)(US)	sh tn (short ton)(US)
1	2,20462	68,5218*10 ⁻³	35,2740	19,6841*10 ⁻³	0,984207*10 ⁻³	22,0462*10 ⁻³	1,10231*10 ⁻³
0,453592	1	31,0810*10 ⁻³	16	8,92857*10 ⁻³	0,446429*10 ⁻³	10*10 ⁻³	0,5*10 ⁻³
14,5939	32,1740	1	514,785	0,287268	14,363*10 ⁻³	0,321740	16,0869*10 ⁻³
28,3495*10 ⁻³	62,5*10 ⁻³	1,94256*10 ⁻³	1	0,55803*10 ⁻³	27,9018*10 ⁻⁶	0,625*10 ⁻³	31,25*10 ⁻⁶
50,8023	112	3,48107	1,762*10 ³	1	50*10 ⁻³	1,12	56*10 ⁻³
1,01605*10 ³	2,24*10 ³	69,6213	35,84*103	20	1	22,4	1,12
45,35923	100	3,10810	1,6*10 ³	0,892857	44,6429*10 ⁻³	1	50*10 ⁻³
907,185	2*10 ³	62,1619	32*10 ³	17,8571	0,892857	20	1

Pressure						
N/m ²	bar	kp/cm ² at	kp/mm ²	torr	atm	lbf/in ²
1	10*10 ⁻⁶	10,1972*10 ⁻⁶	0,10197*10 ⁻⁶	7,50062*10 ⁻³	9,86923*10 ⁻⁶	0,14503*10 ⁻³
100*10 ³	1	1,01972	10,1972*10 ⁻³	750,062	0,986923	14,5038
98,0665*10 ³	0,980665	1	10*10-3	735,559	0,967841	14,2233
9,80665*10 ⁶	95,0665	100	1	73,5559*10 ³	96,7841	1,42233*10 ³
133,322	1,33322*10 ⁻³	1,35951*10 ⁻³	13,5951*10 ⁻⁶	1	1,31579	19,3368*10 ⁻³
101,325*10 ³	1,01325	1,03323	10,3323*10 ⁻³	760	1	14,6959
6,89476*10 ³	68,9476*10 ⁻³	70,307*10 ⁻³	0,70307*10 ⁻³	51,7149	68,046*10 ⁻³	1

Volume :					
m ³	in ³	ft ³	yd ³	gallon (UK)	gallon(US)
1	61,0237*103	35,3147	1,30795	219,969	264,172
16,3871*10 ⁻⁶	1	0,57870*10 ⁻³	21,4335*10 ⁻⁶	3,60465*10 ⁻³	4,329*10 ⁻³
28,3168*10 ⁻³	1,728*103	1	37,037*10 ⁻³	6,22884	7,48052
0,764555	46,656*103	27	1	168,178	201,974
4,54609*10 ⁻³	277,42	0,160544	5,94606*10 ⁻³	1	1,20095
3,78541*10 ⁻³	231	0,133681	4,95113*10 ⁻³	0,832675	1