

• **Table conversion unit Length**

	m	cm	km	in	ft	yd	mi	int nau mi
1 m	= 1	100	0,001	39,37008	3,28084	1,093613	0,0006214	0,00054
1 cm	= 0,01	1	0,00001	0,393701	0,032808	0,010936	6,2137E-06	5,3996E-06
1 km	= 1000	100000	1	39370,08	3280,84	1093,613	0,6213712	0,5399568
1 in	= 0,0254	2,54	2,54E-05	1	0,0833333	0,027778	1,5783E-05	1,371E-05
1 ft	= 0,3048	30,479999	0,000305	12	1	0,3333333	1,8939E-04	1,6458E-04
1 yd	= 0,9144	91,440025	0,000914	36	3	1	5,6818E-04	4,9374E-04
1 mi	= 1609,344	160934,4	1,609344	63360	5280	1760	1	0,8689762
1 int nau mi	= 1852	185200	1,852	72913,39	6076,116	2025,371	1,1507795	1

• **Table conversion unit Volume**

	m ³	L (litro)	gal (USA)	gal (GB)	barrel (USA)
1 m ³	= 1	1000	264,1722	219,9692	6,289814
1 L (litro)	= 0,001	1	0,264172	0,219969	0,0062898
1 gal (USA)	= 0,003785	3,78541	1	0,832674	0,0238095
1 gal (GB)	= 0,004546	4,546091	1,200951	1	0,0285941
1 barrel (USA)	= 0,158987	158,9872	42	34,97229	1

• **Table conversion unit Mass**

	kg	g	kgf · s ² / m	lb	oz
1 kg	= 1	1000	0,1019716	2,204623	35,27396
1 g	= 0,001	1	0,000102	0,0022046	0,035274
1 kgf · s ² / m	= 9,80665	9806,65	1	21,61996	345,9194
1 lb	= 0,4535924	453,5924	0,0462536	1	16
1 oz	= 0,02834952	28,34952	0,0028908	0,0625	1

• **Table conversion unit Strength**

	N	kgf	dyn	ozf	lbf
1 N =	1	0,1019716	100 000	3,596943	0,2248089
1 kgf =	9,80665	1	980 665,00	35,27396	2,204622
1 dyn =	0,00001	1,0197E-06	1	3,5969E-05	2,2481E-06
1 ozf =	0,2780138	0,02834953	27 801,390	1	0,0625
1 lbf =	4,448222	0,4535924	444 822,20	16	1

• **Table conversion unit Pressure**

	pascal (N/m²)	bar	at (kgf/cm²)	atm	mmHg (torr)	mH₂O	psi (lbf/in²)	dyn/cm²
1 pascal =	1	1,00E-05	1,02E-05	9,8687E-06	7,5006E-03	1,0197E-04	1,4504E-04	10
1 bar =	100 000	1	1,019716	0,986875	750,06380	1,02E+01	14,503770	1,00E+06
1 at (kgf/cm ²) =	98 066,5	0,980665	1	0,9677933	735,5613	10	14,22334	980 665
1 atm =	101 325	1,01325	1,033225	1	760	10,33225	14,6959	1 013 250,00
1 mmHg =	133,322	0,0013332	0,0013595	0,0013157	1	0,013595	0,0193367	1333,22
1 mH ₂ O =	9806,65	0,0980665	0,1	0,0967793	73,55613	1	1,422334	98 066,50
1 psi (lbf/in ²) =	6894,76	0,0689476	0,070307	0,0680426	51,71501	0,7030699	1	68 947,60
1 dyn/cm ² =	0,1	1,00E-06	1,02E-06	9,8687E-07	7,50E-04	1,02E-05	1,45E-05	1

• **Table conversion unit Power**

	W (J/s)	kW	CV	kgf · m/s	lbf · in/s	lbf · ft/s	HP (GB)	erg/s
1 W (J/s) =	1	0,001	0,00136	0,101972	8,851124	0,737572	0,001341	1,00E+07
1 kW =	1000	1	1,359622	101,9716	8851,124	737,5719	1,341022	1E+10
1 CV =	735,5	0,7355	1	75	6509,989	542,4831	0,98632	7,35E+09
1 kgf · m/s =	9,806652	0,009807	0,013333	1	86,79989	7,233111	0,013151	98 066 520
1 lbf · in/s =	0,11298	0,000113	0,000154	0,011521	1	0,083331	0,000152	1 129 800
1 lbf · ft/s =	1,3558	0,001356	0,001843	0,138253	12	1	0,001818	13 558 000
1 HP (GB) =	745,7	0,7457	1,01387	76,04	6600,282	550	1	7,46E+09
1 erg/s =	1E-07	1E-10	1,36E-10	1,02E-08	8,85E-07	7,38E-08	1,34E-10	1

• Table conversion unit Energy

	J (N · m)	kgf · m	erg (dyn · cm)	lbf · in	lbf · ft	kcal	btu
1 J (N · m) =	1	0,1020	1,0 E+07	8,851124	0,737572	2,389E-04	9,478E-04
1 kgf · m =	9,807	1	9,807 E+07	86,799893	7,23311	2,343E-03	9,295E-03
1 erg (dyn · cm) =	1,0 E-07	1,02E-08	1	8,851E-07	7,376 E-08	2,389E-11	9,478E-11
1 lbf · in =	0,113	0,0115	1,130E+06	1	0,08333333	2,699E-05	1,071E-04
1 lbf · ft =	1,356	0,1383	1,356E+07	12	1	3,239E-04	1,285E-03
1 Kcal =	4185,5	426,802	4,19E+10	3,705E+04	3,087E+03	1	3,967088
1 btu =	1055,056	107,586	1,06E+10	9,338E+03	7,782E+02	0,252074	1

TEMPERATURE CONVERSION

Legend	°C: legal unit
	°F: American unit
	K: SI base unit

°C	°F	K	°C	°F	K	°C	°F	K
-273.15	-459.67	0.00						
-270	-454	3.15	155	311	428.15	580	1'076	853.15
-265	-445	8.15	160	320	433.15	585	1'085	858.15
-260	-436	13.15	165	329	438.15	590	1'094	863.15
-255	-427	18.15	170	338	443.15	595	1'103	868.15
-250	-418	23.15	175	347	448.15	600	1'112	873.15
-245	-409	28.15	180	356	453.15	605	1'121	878.15
-240	-400	33.15	185	365	458.15	610	1'130	883.15
-235	-391	38.15	190	374	463.15	615	1'139	888.15
-230	-382	43.15	195	383	468.15	620	1'148	893.15
-225	-373	48.15	200	392	473.15	625	1'157	898.15
-220	-364	53.15	205	401	478.15	630	1'166	903.15
-215	-355	58.15	210	410	483.15	635	1'175	908.15
-210	-346	63.15	215	419	488.15	640	1'184	913.15
-205	-337	68.15	220	428	493.15	645	1'193	918.15
-200	-328	73.15	225	437	498.15	650	1'202	923.15
-195	-319	78.15	230	446	503.15	655	1'211	928.15
-190	-310	83.15	235	455	508.15	660	1'220	933.15
-185	-301	88.15	240	464	513.15	665	1'229	938.15
-180	-292	93.15	245	473	518.15	670	1'238	943.15
-175	-283	98.15	250	482	523.15	675	1'247	948.15
-170	-274	103.15	255	491	528.15	680	1'256	953.15
-165	-265	108.15	260	500	533.15	685	1'265	958.15
-160	-256	113.15	265	509	538.15	690	1'274	963.15
-155	-247	118.15	270	518	543.15	695	1'283	968.15
-150	-238	123.15	275	527	548.15	700	1'292	973.15
-145	-229	128.15	280	536	553.15	705	1'301	978.15
-140	-220	133.15	285	545	558.15	710	1'310	983.15
-135	-211	138.15	290	554	563.15	715	1'319	988.15
-130	-202	143.15	295	563	568.15	720	1'328	993.15
-125	-193	148.15	300	572	573.15	725	1'337	998.15
-120	-184	153.15	305	581	578.15	730	1'346	1'003.15
-115	-175	158.15	310	590	583.15	735	1'355	1'008.15
-110	-166	163.15	315	599	588.15	740	1'364	1'013.15
-105	-157	168.15	320	608	593.15	745	1'373	1'018.15
-100	-148	173.15	325	617	598.15	750	1'382	1'023.15
-95	-139	178.15	330	626	603.15	755	1'391	1'028.15
-90	-130	183.15	335	635	608.15	760	1'400	1'033.15
-85	-121	188.15	340	644	613.15	765	1'409	1'038.15
-80	-112	193.15	345	653	618.15	770	1'418	1'043.15
-75	-103	198.15	350	662	623.15	775	1'427	1'048.15
-70	-94	203.15	355	671	628.15	780	1'436	1'053.15
-65	-85	208.15	360	680	633.15	785	1'445	1'058.15
-60	-76	213.15	365	689	638.15	790	1'454	1'063.15
-55	-67	218.15	370	698	643.15	795	1'463	1'068.15
-50	-58	223.15	375	707	648.15	800	1'472	1'073.15
-45	-49	228.15	380	716	653.15	805	1'481	1'078.15
-40	-40	233.15	385	725	658.15	810	1'490	1'083.15
-35	-31	238.15	390	734	663.15	815	1'499	1'088.15
-30	-22	243.15	395	743	668.15	820	1'508	1'093.15
-25	-13	248.15	400	752	673.15	825	1'517	1'098.15
-20	-4	253.15	405	761	678.15	830	1'526	1'103.15
-15	5	258.15	410	770	683.15	835	1'535	1'108.15