Unità di lunghezza (L)

	m	**in**	**ft**	**miglio marino**	**miglio inglese**
m	1	39,3701	3,28084	$5{,}39957 \times 10^{-4}$	$6{,}21371 \times 10^{-4}$
in	$2{,}54 \times 10^{-2}$	1	$8{,}33333 \times 10^{-2}$	$1{,}37149 \times 10^{-5}$	$1{,}57828 \times 10^{-5}$
ft	$3{,}048 \times 10^{-1}$	12	1	$1{,}64579 \times 10^{-4}$	$1{,}89394 \times 10^{-4}$
miglio marino	1852	72913,4	6076,12	1	1,15078
miglio inglese	1609,34	63360	5280	$8{,}68974 \times 10^{-1}$	1

Unità di massa (M)

	kg	**g**	**kgfs^2/m**	**lb**	**lbfs^2/m**
kg	1	1×10^{3}	$1{,}01972 \times 10^{-1}$	2,20462	$6{,}85218 \times 10^{-2}$
g	1×10^{-3}	1	$1{,}01972 \times 10^{-4}$	$2{,}20462 \times 10^{-3}$	$6{,}85218 \times 10^{-5}$
kgfs^2/m (u.p.m.)	9,80665	9806,65	1	21,6200	$6{,}71969 \times 10^{-1}$
lb	$4{,}53592 \times 10^{-1}$	453,592	$4{,}62535 \times 10^{-2}$	1	$3{,}10810 \times 10^{-2}$
lbfs^2/m (slug)	14,5939	14593,9	1,48816	32,1740	1

Unità di velocità (LT^{-1})

	m/s	**ft/s**	**nodo**	**miglio/h**	**km/h**
m/s	1	3,28084	1,94384	2,23694	3,6
ft/s	$3{,}048 \times 10^{-1}$	1	$5{,}92484 \times 10^{-1}$	$6{,}81818 \times 10^{-1}$	1,09728
nodo	$5{,}14444 \times 10^{-1}$	1,68781	1	1,15078	1,852
miglio/h (inglese)	$4{,}47040 \times 10^{-1}$	1,46667	$8{,}68976 \times 10^{-1}$	1	1,60934
km/h	$2{,}77778 \times 10^{-1}$	$9{,}11344 \times 10^{-1}$	$5{,}39956 \times 10^{-1}$	$6{,}21372 \times 10^{-1}$	1

Unità di forza

	N	**dyn**	**kgf**	**lb ft/s^2**	**lbf**
N	1	1×10^{5}	$1{,}01972 \times 10^{-1}$	7,23301	$2{,}24809 \times 10^{-1}$
dyn	1×10^{-5}	1	$1{,}01972 \times 10^{-6}$	$7{,}23301 \times 10^{-5}$	$2{,}24809 \times 10^{-6}$
kgf	9,80665	980665	1	70,9316	2,20462
lb ft/s^2 (pdl)	$1{,}38255 \times 10^{-1}$	13825,5	$1{,}40981 \times 10^{-2}$	1	$3{,}10810 \times 10^{-2}$
lbf	4,44822	444822	$4{,}53592 \times 10^{-1}$	32,174	1

Unità di intervallo di temperatura

	K	**°C**	**°R**	**°F**
K	1	1	1,8	1,8
°C	1	1	1,8	1,8
°R	$5{,}55556 \times 10^{-1}$	$5{,}55556 \times 10^{-1}$	1	1
°F	$5{,}55556 \times 10^{-1}$	$5{,}55556 \times 10^{-1}$	1	1

$T_K = T_{\circ C} + 273{,}15$

$T_{\circ R} = T_{\circ F} + 459{,}67$

$T_K = (T_{\circ F} + 459{,}67)/1{,}8$

$T_{\circ F} = 1{,}8\,(T_k - 255{,}38)$

$T_{\circ F} = 1{,}8\,T_{\circ C} + 32$

$T_{\circ C} = (T_{\circ F} - 32)/1{,}8$

Unità di pressione ($L^{-1}MT^{-2}$)

	Pa	**dyn/cm^2**	**bar**	**kgf/m^2**	**kgf/cm^2 (ata)**	**atm**	**torr**	**lbf/ft^2**	**lbf/in^2**
Pa (N/m^2)	1	10	1×10^{-5}	$1{,}01972 \times 10^{-1}$	$1{,}01972 \times 10^{-5}$	$9{,}86923 \times 10^{-6}$	$7{,}50064 \times 10^{-3}$	$2{,}08854 \times 10^{-2}$	$1{,}45038 \times 10^{-4}$
dyn/cm^2 (baria)	1×10^{-1}	1	1×10^{-6}	$1{,}01972 \times 10^{-2}$	$1{,}01972 \times 10^{-6}$	$9{,}86923 \times 10^{-7}$	$7{,}50064 \times 10^{-4}$	$2{,}08854 \times 10^{-3}$	$1{,}45038 \times 10^{-5}$
bar	1×10^{5}	1×10^{6}	1	10197,2	1,01972	$9{,}86923 \times 10^{-1}$	750,064	2088,54	14,5038
kgf/m^2 (mm H_2O)	9,80665	98,0665	$9{,}80665 \times 10^{-5}$	1	1×10^{-4}	$9{,}67841 \times 10^{-5}$	$7{,}35561 \times 10^{-2}$	$2{,}04816 \times 10^{-1}$	$1{,}42233 \times 10^{-3}$
kgf/cm^2 (ata)	98066,5	980665	$9{,}80665 \times 10^{-1}$	1×10^{4}	1	$9{,}67841 \times 10^{-1}$	735,561	2048,16	14,2233
atm	101325	$1{,}01325 \times 10^{6}$	1,01325	10332,3	1,03323	1	760	2116,21	14,6959
torr (mm Hg)	133,322	1333,22	$1{,}33322 \times 10^{-3}$	13,5951	$1{,}35951 \times 10^{-3}$	$1{,}31579 \times 10^{-3}$	1	2,78449	$1{,}93367 \times 10^{-2}$
lbf/ft^2	47,8803	478,803	$4{,}78803 \times 10^{-4}$	4,88243	$4{,}88243 \times 10^{-4}$	$4{,}72542 \times 10^{-4}$	$3{,}59133 \times 10^{-1}$	1	$6{,}94444 \times 10^{-3}$
lbf/in^2 (p.s.i.)	6894,76	68947,6	$6{,}89476 \times 10^{-2}$	703,07	$7{,}03070 \times 10^{-2}$	$6{,}80460 \times 10^{-2}$	51,7151	144	1

Unità di energia specifica ($L^2 T^{-2}$)

	J/Kkg	**erg/g**	**kgf m/kg**	**kW h/kg**	**kcal/kg**	**lbf ft/lb**	**Btu/lb**	**ft^2/s^2**
J/kg	1	1×10^{4}	$1{,}01972 \times 10^{-1}$	$2{,}77778 \times 10^{-7}$	$2{,}38846 \times 10^{-4}$	$3{,}34552 \times 10^{-1}$	$4{,}29923 \times 10^{-4}$	10,7639
erg/g	1×10^{-4}	1	$1{,}01972 \times 10^{-5}$	$2{,}7778 \times 10^{-11}$	$2{,}38846 \times 10^{-8}$	$3{,}34552 \times 10^{-5}$	$4{,}29923 \times 10^{-8}$	$1{,}07639 \times 10^{-3}$
kgf m/kg	9,80665	98066,5	1	$2{,}72407 \times 10^{-6}$	$2{,}34228 \times 10^{-3}$	3,28084	$4{,}21610 \times 10^{-3}$	105,558
kW h/kg	$3{,}6 \times 10^{6}$	$3{,}6 \times 10^{10}$	367098	1	859,845	$1{,}20439 \times 10^{6}$	1547,72	$3{,}87501 \times 10^{7}$
kcal/kg	4186,8	$4{,}1868 \times 10^{7}$	426,935	$1{,}163 \times 10^{-3}$	1	1400,7	1,8	45066,4
lbf ft/lb	2,98907	29890,7	0,3048	$8{,}30297 \times 10^{-7}$	$7{,}13927 \times 10^{-4}$	1	$1{,}28507 \times 10^{-3}$	32,174
Btu/lb	2326	$2{,}326 \times 10^{7}$	237,186	$6{,}46111 \times 10^{-4}$	$5{,}55556 \times 10^{-1}$	778,168	1	25036,9
ft^2/s^2	$9{,}29030 \times 10^{-2}$	929,030	$9{,}47347 \times 10^{-3}$	$2{,}58064 \times 10^{-8}$	$2{,}21895 \times 10^{-5}$	$3{,}10810 \times 10^{-2}$	$3{,}99411 \times 10^{-5}$	1

Unità di energia ($L^2 MT^{-2}$)

	J	**erg**	**kgfm**	**kWh**	**l atm**	**CV h**	**HP h**	**kcal**	**Btu**	**$lbft^2/s^2$**	**lbf ft**
J	1	1×10^{7}	$1{,}01972 \times 10^{-1}$	$2{,}77778 \times 10^{-7}$	$9{,}86923 \times 10^{-3}$	$3{,}77672 \times 10^{-7}$	$3{,}72506 \times 10^{-7}$	$2{,}38846 \times 10^{-4}$	$9{,}47817 \times 10^{-4}$	23,7304	$7{,}37562 \times 10^{-1}$
erg	1×10^{-7}	1	$1{,}01972 \times 10^{-8}$	$2{,}77778 \times 10^{-14}$	$9{,}86923 \times 10^{-10}$	$3{,}77672 \times 10^{-14}$	$3{,}72506 \times 10^{-14}$	$2{,}38846 \times 10^{-11}$	$9{,}47817 \times 10^{-11}$	$2{,}37304 \times 10^{-6}$	$7{,}37562 \times 10^{-8}$
kgfm	9,80665	$9{,}80665 \times 10^{7}$	1	$2{,}72407 \times 10^{-6}$	$9{,}67841 \times 10^{-2}$	$3{,}70370 \times 10^{-6}$	$3{,}65304 \times 10^{-6}$	$2{,}34228 \times 10^{-3}$	$9{,}29487 \times 10^{-3}$	232,715	7,23301
kWh	$3{,}6 \times 10^{6}$	$3{,}6 \times 10^{13}$	367098	1	35529,2	1,35962	1,34102	859,845	3412,14	$8{,}54293 \times 10^{7}$	$2{,}65522 \times 10^{6}$
l atm	101,325	$1{,}01325 \times 10^{9}$	10,3323	$2{,}81458 \times 10^{-5}$	1	$3{,}82676 \times 10^{-5}$	$3{,}77442 \times 10^{-5}$	$2{,}42011 \times 10^{-2}$	$9{,}60372 \times 10^{-2}$	2404,48	74,7334
CV h	$2{,}64780 \times 10^{6}$	$2{,}64780 \times 10^{13}$	270000	$7{,}32499 \times 10^{-1}$	26131,8	1	$9{,}86322 \times 10^{-1}$	632,416	2509,62	$6{,}28333 \times 10^{7}$	$1{,}95292 \times 10^{6}$
HP h	$2{,}68452 \times 10^{6}$	$2{,}68452 \times 10^{13}$	273745	$7{,}45700 \times 10^{-1}$	26494,2	1,01387	1	641,186	2544,43	$6{,}37046 \times 10^{7}$	$1{,}98 \times 10^{6}$
kcal	4186,8	$4{,}1868 \times 10^{10}$	426,935	$1{,}163 \times 10^{-3}$	41,3205	$1{,}58124 \times 10^{-3}$	$1{,}55961 \times 10^{-3}$	1	3,96832	99354,3	3088,03
Btu	1055,06	$1{,}05506 \times 10^{10}$	107,586	$2{,}93071 \times 10^{-4}$	10,4126	$3{,}98467 \times 10^{-4}$	$3{,}93015 \times 10^{-4}$	$2{,}51996 \times 10^{-1}$	1	25037,0	778,170
$lbft^2/s^2$ (pdl ft)	$4{,}21401 \times 10^{-2}$	421401	$4{,}29709 \times 10^{-3}$	$1{,}17056 \times 10^{-8}$	$4{,}15891 \times 10^{-4}$	$1{,}59151 \times 10^{-8}$	$1{,}56975 \times 10^{-8}$	$1{,}00650 \times 10^{-5}$	$3{,}99410 \times 10^{-5}$	1	$3{,}10809 \times 10^{-2}$
lbf ft	1,35582	$1{,}35582 \times 10^{7}$	$1{,}38255 \times 10^{-1}$	$3{,}76616 \times 10^{-7}$	$1{,}33809 \times 10^{-2}$	$5{,}12055 \times 10^{-7}$	$5{,}05051 \times 10^{-7}$	$3{,}23832 \times 10^{-4}$	$1{,}28507 \times 10^{-3}$	32,174	1

Unità di potenza ($L^2\ M\ T^{-3}$)

	W	**kW**	**erg/s**	**kgf m/s**	**CV**	**HP**	**kcal/h**	**lbf ft/s**	**Btu/h**
W	1	1×10^{-3}	1×10^{7}	$1{,}01972 \times 10^{-1}$	$1{,}35962 \times 10^{-3}$	$1{,}34102 \times 10^{-3}$	$8{,}59845 \times 10^{-1}$	$7{,}37561 \times 10^{-1}$	3,41214
kW	1×10^{3}	1	1×10^{10}	$1{,}01972 \times 10^{2}$	1,35962	1,34102	859,845	737,561	3412,14
erg/s	1×10^{-7}	1×10^{-10}	1	$1{,}01972 \times 10^{-8}$	$1{,}35962 \times 10^{-10}$	$1{,}34102 \times 10^{-10}$	$8{,}59845 \times 10^{-8}$	$7{,}37561 \times 10^{-8}$	$3{,}41214 \times 10^{-7}$
kgf m/s	9,80665	$9{,}80665 \times 10^{-3}$	$9{,}80665 \times 10^{7}$	1	$1{,}33333 \times 10^{-2}$	$1{,}31509 \times 10^{-2}$	8,4322	7,23300	33,4617
CV	735,499	$7{,}35499 \times 10^{-1}$	$7{,}35499 \times 10^{9}$	75	1	$9{,}86320 \times 10^{-1}$	632,415	542,475	2509,63
HP	745,700	$7{,}45700 \times 10^{-1}$	$7{,}45700 \times 10^{9}$	76,0402	1,01387	1	641,187	550	2544,63
kcal/h	1,163	$1{,}163 \times 10^{-3}$	$1{,}163 \times 10^{7}$	$1{,}18593 \times 10^{-1}$	$1{,}58124 \times 10^{-3}$	$1{,}55961 \times 10^{-3}$	1	$8{,}57783 \times 10^{-1}$	3,96832
lbf ft/s	1,35582	$1{,}35582 \times 10^{-3}$	$1{,}35582 \times 10^{7}$	$1{,}38255 \times 10^{-1}$	$1{,}84340 \times 10^{-3}$	$1{,}81818 \times 10^{-3}$	1,16580	1	4,62625
Btu/h	$2{,}93071 \times 10^{-1}$	$2{,}93071 \times 10^{-4}$	$2{,}93071 \times 10^{6}$	$2{,}98849 \times 10^{-2}$	$3{,}98466 \times 10^{-4}$	$3{,}93015 \times 10^{-4}$	$2{,}51996 \times 10^{-1}$	$2{,}16158 \times 10^{-1}$	1