

# FATTORI DI CONVERSIONE TRA LE UNITA' DI MISURA

## CONVERSION FACTORS AMONG THE UNITS OF MEASUREMENT

Lavoro, Energia, calore, Entalpia  
Work, Energy, Heat, Enthalpy

Unità base del sistema SI: joule (J=Nm)  
Basic unit of SI system: joule (J=Nm)

Unità di misura Measuring unit	Simbolo Symbol	J	kg <sub>m</sub>	Cal (kcal)	Wh	CVh	ft.lbf	Btu	CHU
joule	J	1	0,10197	0,2388x10 <sup>-3</sup>	0,2778x10 <sup>-3</sup>	0,378x10 <sup>-6</sup>	0,7375	0,9478x10 <sup>-3</sup>	0,5266x10 <sup>-3</sup>
chilogrammetro kilogramme metre	kg <sub>m</sub>	9,807	1	2,342x10 <sup>-3</sup>	2,724x10 <sup>-3</sup>	0,370x10 <sup>-5</sup>	7,233	9,295x10 <sup>-3</sup>	5,164x10 <sup>-3</sup>
chilocaloria kilocalorie	Cal (kcal)	4186,80	426,92	1	1,163	1,581x10 <sup>-3</sup>	3087,6	3,9683	2,2046
wattora watt hour	Wh	3600	367,08	0,8605	1	1,360x10 <sup>-3</sup>	2654,87	3,413	1,8956
cavallo vapore ora horsepower hour (metric)	CVh	2647,8x10 <sup>3</sup>	269,91x10 <sup>3</sup>	632,53	735,5	1	1952,92x10 <sup>3</sup>	2512,2	1394,23
libbra piede foot pound	ft. lbf	1,356	0,1383	0,3238x10 <sup>-3</sup>	0,3767x10 <sup>-3</sup>	0,512x10 <sup>-6</sup>	1	1,2853x10 <sup>-3</sup>	5,2656x10 <sup>-3</sup>
BTU (IST) British thermal unit	Btu	1055,06	107,58	0,2520	0,2930	0,398x10 <sup>-3</sup>	778,03	1	0,5556
CHU	CHU	1899,11	193,65	0,4536	0,5275	0,717x10 <sup>-3</sup>	1400,52	1,8	1



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## Altri fattori di conversione per lavoro, energia e calore

### Other conversion factors for work, energy and heat

Per passare da For changing	a to	moltiplicare per multiply by	inversamente per nversely by
cavallo vapore ora (UK) brake horsepower hour (BHP <sub>h</sub> )	BTU (IST) - British thermal unit (Btu)	2547,0	$3,9262 \times 10^{-4}$
cavallo vapore ora (UK) brake horsepower hour (BHP <sub>h</sub> )	chilocaloria (Cal=kcal) - Kilocalorie	641,30	$1,5593 \times 10^{-3}$
cavallo vapore ora (UK) brake horsepower hour (BHP <sub>h</sub> )	chilojoule (kJ) - kilojoule	2684,5	$3,7251 \times 10^{-4}$
cavallo vapore ora (UK) brake horsepower hour (BHP <sub>h</sub> )	libbra piede - foot pound (ft lbf)	$1980,0 \times 10^3$	$5,051 \times 10^{-7}$
cavallo vapore ora (UK) brake horsepower hour (BHP <sub>h</sub> )	wattora (Wh) - watt hour	745,7	$1,341 \times 10^{-3}$
therm (USA)	BTU (IST) - British thermal unit (Btu)	$10^5$	$10^{-5}$
therm (USA)	chilocaloria (Cal=kcal) - Kilocalorie	$25,2 \times 10^3$	$3,9683 \times 10^{-5}$
therm (USA)	megajoule (MJ)	105,506	$9,4781 \times 10^{-3}$
ton (nucleare)	gigajoule (GJ)	4,20	0,2381