



ÖLÇÜLER (Kütle)

t	kg	Dg	g	mg
1	10 ³	10 ⁵	10 ⁶	10 ⁹
10 ⁻³	1	10 ²	10 ³	10 ⁶
10 ⁻⁵	10 ²	1	10	10 ⁴
10 ⁻⁶	10 ⁻³	10 ⁻¹	1	10 ³
10 ⁻⁹	10 ⁻⁶	10 ⁻⁴	10 ⁻⁵	1

ELEKTRONİK İŞ-GÜÇ

İş

$$\begin{aligned} \text{İş} &= \text{Güç} \times \text{Zaman} \\ A &= P \times t = U \times I \times t = t^2 \times R \times t = (U^2/R) \times t \end{aligned}$$

KUVVET BİRİMLERİ

İŞ BİRİMLERİNİN KARŞILIKLARI

kg	dyn-din	J/cm	New kgm / sn	Ws=Jul	kWh	Psh	kcal = WE	J / cm
1	9,81.10 ⁵	0,0981	9,81	1	0,278.10 ⁻⁶		2,39.10 ⁻⁴	0,102
10,2.10 ⁻⁷	1	10	-10 ⁻⁵	3,6.10 ⁶	1	1,36	859	3,67.10 ⁵
10,2	10 ⁷	1	10 ²	2,64.10 ⁶	0,736	0,736	635	2,7.10 ⁵
0,102	10 ⁵	0,01	1	4190	1,16.10 ⁻³	1,58.10 ⁻³	1	427
				9,8	0,272.10 ⁻⁶	3,7.10 ⁻⁶	2,34.10 ⁻³	1

İŞ BİRİMLERİ

ELEKTRONİK İŞ-GÜÇ

Ws=Jul	kWh	Psh	mkp	kcal=WE
1	0,278.10 ⁻⁶	0,378.10 ⁻⁶	0,102	0,239.10 ⁻³
3,60.10 ⁶	1	1,36	0,376.10	860
2,65.106	0,736	1	0,270.10	632
9,81	2,72.10 ⁻⁶	13,70.10 ⁻⁶	1	2,345.10 ⁻³
4186	1,16.10 ⁻³	1,58.10 ⁻³	426.9	1

Güç

$$\begin{aligned} \text{Güç} &= \text{İş} / \text{Zaman} \\ P &= A / t = U \times I = I^2 \times R (U^2 / R) \end{aligned}$$

GÜÇ BİRİMLERİ

Ws=J/s	kw	Ps	mkp/s	kcal/h=WE	Vat	kw	Ps	kcal/h=WE/skgm/s
1	10 ⁻³	10 ⁻³	0,102	0,860	1	10 ⁻³	1,36.10 ⁻³	2,4.10 ⁻⁴
1000	1	1	102	860	10 ³	1	1,36	0,239
736	0,736	0,736	75	635	736	0,736	1	0,17564
7,81	0,00981	0,00981	1	8,45	418	4,187	5,693	1
1,16	1,16.10 ⁻³	1,16.10 ⁻³	0,118	1	9,8061	9,81.10 ⁻³	1,33.10 ⁻²	2,34.10 ⁻³