

## ΠΙΝΑΚΑΣ ΜΟΝΑΔΩΝ

1 Kcal = 4,2 KJ  
1 KJ = 0,24 Kcal  
1 KJ = 0,948 BTU  
1 BTU = 1,055 KJ  
1 THERM = 100000 BTU  
1 Kcal = 3,97 BTU

1 Kcal/h = 4,2 KJ/h  
1 KJ/h = 0,24 Kcal/h  
1 Watt = 0,86 Kcal/h  
1 Kwatt = 860 Kcal/h  
1 Watt = 3,412 BTU/h  
1 BTU/h = 0,2931 W  
1 PS = 0,736 KW  
1 KW = 0,2843 RT  
1 RT = 3,517 KW  
1 RT = 12000 BTU  
1 FRIG = 1 Kcal/h

1 Bar =  $10^5$  Pa  
1 Atm = 1,01325 Bar  
1 AT = 1 Kp/cm<sup>2</sup> = 0,986 Bar  
1 Bar = 14,504 PSI  
1 Bar = 0,987 Atm  
1 Bar = 29,53 InHg  
1 Kra = 0,102 m H<sub>2</sub>O  
1 Kra = 102 mm H<sub>2</sub>O  
1 Bar = 10,19 m H<sub>2</sub>O  
1 mm H<sub>2</sub>O = 9,8 Pa

1 m/sec = 196,85 Ft/min  
1 m<sup>3</sup>/h = 0,5886 CFM  
1 CFM = 1,7 m<sup>3</sup>/h  
1 Ft/min = 0,508 cm/sec

DA (Deka) =  $10^1$   
H (Hekto) =  $10^2$   
K (Kilo) =  $10^3$   
M (Mega) =  $10^6$   
G (Giga) =  $10^9$   
T (Tera) =  $10^{12}$   
d (deci) =  $10^{-1}$   
c (centi) =  $10^{-2}$   
m (milli) =  $10^{-3}$   
μ (μικρο) =  $10^{-6}$   
n (nano) =  $10^{-9}$   
p (pico) =  $10^{-12}$   
f (femto) =  $10^{-15}$

### **πυκνότητα αέρα**

$\rho = 1,275 \text{ kg/m}^3$  (0 °C, 1 bar)  
 $\rho = 1,168 \text{ kg/m}^3$  (25 °C, 1 bar)  
 $\rho = 1,078 \text{ kg/m}^3$  (50 °C, 1 bar)  
 $\rho = 1,9329 \text{ kg/m}^3$  (100 °C, 1 bar)

### **ειδική θερμοχωρητικότητα αέρα υπό σταθερή πίεση**

$C_p = 1,006 \text{ KJ/KgK}$  (0 °C, 1 bar)  
 $C_p = 1,007 \text{ KJ/KgK}$  (25 °C, 1 bar)  
 $C_p = 1,008 \text{ KJ/KgK}$  (50 °C, 1 bar)  
 $C_p = 1,012 \text{ KJ/KgK}$  (100 °C, 1 bar)

$C_{p, H_2O} = 4,182 \text{ KJ/KgK}$  (20 °C, 1 bar)