

# Conversion factors for SI units

---

Measurement	Unit	Multiplier	SI unit
Area	in <sup>2</sup>	6.45	cm <sup>2</sup>
	ft <sup>2</sup>	0.09	m <sup>2</sup>
	yd <sup>2</sup>	0.84	m <sup>2</sup>
	acre	0.40	ha
	acre	4047	m <sup>2</sup>
Flow	ft <sup>3</sup> /s	0.03	m <sup>3</sup> /s
	gal/min	0.06	L/s
	gal/d	$4.4 \times 10^{-5}$	L/s
		0.04	m <sup>3</sup> /s
	mgd	43.81	L/s
Heat	ft <sup>3</sup> /m	0.47	L/s
	Btu	1.06	kJ
	Btu	$2.928 \times 10^{-4}$	kWh
	Btu	0.25	kcal
	hp	745.70	watt
Length	hp	10.70	kcal/min
	in	2.54	cm
	in	25.40	mm
	ft	30.48	cm
	ft	0.30	m
	yd	0.91	m

(Continued)

Measurement	Unit	Multiplier	SI unit
Load/Pressure	mile	1.61	km
	lb/ft <sup>2</sup>	4.88	kg/m <sup>2</sup>
	atmosphere	10,333	kg/m <sup>2</sup>
	lb/in <sup>2</sup>	703	kg/m <sup>2</sup>
Mass	lb	0.45	kg
Temperature	°F	(°F-32)/1.8	°C