FOURSEASONS Quality, Coverage, Service

TECH TIPS

337 Tech Tip

METRIC CONVERSIONS

Many A/C systems today use the metric system to list refrigerant capacities and system specifications. Some air conditioning service equipment can convert from US standards to the metric system with the push of a button. However, a calculator and the correct formula will work just as well. Below are the most common conversions needed for A/C service.

Temperature

Fahrenheit (°F) to Celsius (°C)	Celsius (°C) to Fahrenheit (°F)
°F – 32 ÷ 1.8 = °C	°C × 1.8 + 32 = °F
ex: 150°F – 32 ÷ 1.8 = 65.55°C	ex: 20°C × 1.8 + 32 = 68°F

Volume

Fluid ounces (oz) to Cubic Centimeters (cc)	Cubic Centimeters (cc) to Fluid ounces (oz)
fl oz × 29.57 = cc	cc ÷ 29.57 = fl oz
ex: 8 oz × 29.57 = 236.56 cc	ex: 60 cc ÷ 29.57 = 2.02 oz

Weight

Ounces (oz) to Kilograms (kg)	Kilograms (kg) to Ounces (oz)
oz ÷ 35.27 = kg	kg × 35.27 = oz
ex: 32 oz ÷ 35.27 = .907 kg	ex: 1.5 kg × 35.27 = 52.90 oz

Pressure

Pounds/inch² (psi) to Kilopascals (kPa)	Kilopascals (kPa) to Pounds/inch² (psi)
psi × 6.895 = kPa	kPa ÷ 6.895 = psi
ex: 30 psi × 6.895 = 206.85 kPa	ex: 1500 kPa ÷ 6.895 = 217.54 psi

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