Unit Conversion Practice Problems

Using the conversion factors on the next page, convert the following:

Power (Demand) Unit Conversions

1 kW = _____ Btu/hr

1 kW = _____ Watt

1 kW = _____ HP

5 HP = _____ kW

1 Ton Refrigeration = _____ Btu/hr

1 Ton Refrigeration = _____ kW

1 Ton Refrigeration = _____ HP

65,000 Btu/hr = _____ Tons Refrigeration

Energy Unit Conversions

1 kBtu = _____ Btu

1 kBtu = _____ MMBtu

1 Therm = _____ Btu

750 Therm = _____ kBtu

12,280 Therm = _____ MMBtu

5000 kWh = _____ Btu

12,280 kWh = _____ kBtu

Unit Conversions

Power (Demand) Unit Conversions

1 kW	= 3414 Btu/hr
1 HP	= .746 kW
1 HP	= 2545 Btu/hr
1 MBH	= 1,000 Btu/hr
1 Ton Refrigeration	= 12,000 Btu/hr

Energy Unit Conversions

1 kWh	= 3414 Btu
1 Therm	= 100,000 Btu
1 kBtu	= 1,000 Btu
1 MMBtu	= 1,000,000 Btu