

## Acoustical noise levels

This plasma system can make more than the permitted acoustical noise levels as defined by national and local codes. Always put on correct ear protection when cutting or gouging. Any acoustical noise measurements taken are related to the specific environment in which the system is used. Refer to *Noise can damage hearing* in the *Safety and Compliance Manual* (80669C).

In addition, you can find an *Acoustical Noise Data Sheet* for your system at [www.hypertherm.com/docs](http://www.hypertherm.com/docs). In the search box, enter **data sheet**.

## Radio frequency identification (RFID) specifications

The Hypertherm RFID near-field wireless communication system contains these components:

- A passive RFID tag in the Hypertherm cartridge
- A wireless radio transceiver on the printed circuit board (PCB) in the SmartSYNC torch:
  - Operating frequency: 13.56 MHz
  - Protocol: ISO/IEC 15693
  - Maximum range: 8 mm (0.32 inch)
  - Maximum transmit power: 104 mW

## Cutting specifications

### Recommended cut capacity

Cut speed	Material thickness
500 mm/min (20 inches per minute [in/min])*	16 mm (5/8 inch)
250 mm/min (10 in/min)*	22 mm (7/8 inch)
125 mm/min (5 in/min)* – severance capacity	29 mm (1-1/8 inch)

\* Cut capacity speeds are not necessarily maximum speeds. They are the speeds at which the plasma power supply is rated to cut that thickness.

### Pierce capacity

Torch type	Material thickness
Handheld	12 mm (1/2 inch)