This Level May Cause Hearing Damage and Maximum Allowable Exposure, Even with Hearing Protection Recommended for 8-Hour Exposures Above This Level

Immediate Physical Damage

8-Hour Exposures

Non-Hazardous

Extremely Loud

Pain Threshold

Immediate Threshold

140 dBC

Noise Thermometer

Sound Energy Doubles Every 3 dB

Example: if a 90 dB noise is doubled, it measures 93 dB

Non-Occupational Noise

Occupational Noise

Hearing Protection Required for 8-Hour Exposures Above This Level

Hearing Protection Recommended for 8-Hour Exposures Above This Level

Hearing Protection Recommended for 8-Hour Exposures Above This Level

Permissible Exposure Limits (EU Hearing Directive 2003/10/EC)