



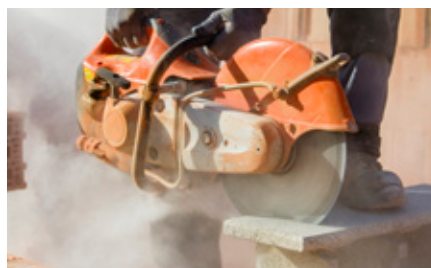
Be Aware of Noise Exposure



Noise-induced hearing loss can come from a one-time exposure to an intense noise or continued exposure to loud noises.

This exposure can damage sensitive ear structures and affect any person, regardless of age or occupation. Noise-induced hearing loss is preventable, which is why it's crucial to educate employees on noise exposure.

Location or Equipment	Noise Level (dBA)	⌚
Lawn and Snow		
Mower With Cab	81-82	1,210 to 960
Riding Mower	91	120
Push Mower	91-92	120 to 95
Large Commercial 3-Deck Mower (open)	94	60
27" Snow Blower	94	60
String Trimmer	95	47.6
Leaf Blower	96	37.8
Sharpening Mower Blades	97	30





This document contains recommended noise-exposure guidelines from the American Conference of Governmental Industrial Hygienists (ACGIH) and the National Institute for Occupational Safety and Health (NIOSH). Both organizations use an equation to calculate a recommended exposure limit for continued noise exposure. Their approach is more conservative than other standards so it can better prevent hearing loss.

To promote hearing health and safety for workers in government and construction, EMC has gathered noise-level data from equipment commonly used on job sites (see reverse side). Actual noise levels will vary by job site, the age of the equipment, the presence and condition of sound-reducing features, the brand of equipment, the overall maintenance of the equipment and the operation being performed.

Noise intensity (loudness) and duration (time) can help determine if an employee will experience noise-induced hearing loss.

EMC can help evaluate workplace noise levels. To schedule a noise survey or request additional information, contact your independent agent, loss control representative or email losscontrol.ehservices@emcins.com.

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Leaf Blower	96	37.8
Sharpening Mower Blades	97	30
Hedge Trimmer	99	19
Power Plant		
Offices	73	Unlimited
Generator	105	4.7
Streets		
Dump Truck	80	Unlimited
Street Sweeper (new)	88	240
Street Sweeper (old)	91	120
Road Grader	91–98	120 to 23.8
End Loader	93	76
Vac Hauler	93	76
Backhoe	98	23.8
Jackhammer	98	23.8
Tractor	100	15
Wastewater		
Control Room/Lab	68	Unlimited
Jet Vac	83	762
Clarifier	89	190
Pump Room	90	151
Vac Tron Mini-Vac	93	76
Large Vac	98	23.8
Water Plant		
Pretreat	82	960
Applicator	87	302
Blower Room	93–101	76 to 11.9
Engine Room	99	19
Emergency Generator	101–108	11.9 to 2.4

Equipment	Noise Level (dBA)	
New Backhoe in Cab	75–76	Unlimited
New Backhoe Outside	78–83	Unlimited to 762
Newer Generator (8 feet away)	80	Unlimited
Newer Portable Generator	85	480
Portable Air Compressor	85	480
Truck Outside Tamp	85	480
Front-End Loader	86	381
Hydraulic Chain Saw on Bucket Truck	86	381
Power Washer	86	381
Tractor With Backhoe	89	190
Portable Generator	90	151
DitchWitch Walk-Behind 1820	91	120
DitchWitch R40 Trencher	94	60
DitchWitch RT70 Trencher	94	60
Generator	94	60
Ground Tamper	94	60
Chain Saw	94–100	60 to 15
Chop Saw	96	37.8
Target Pro 65 II Concrete Saw	96	37.8
Wood Chipper	96	37.8
Hammer Drill	97	30
Air Impact Wrench	98	23.8
Target Pro 35 II Concrete Saw	98	23.8
Bobcat	99	28.9
DitchWitch 350SX Knife Vibrator	99	18.9
Drill With Ratchet Clutch	99	18.9
Tanaka Gas Drill	100	15
Jackhammer With Bobcat	101	11.9
Mosquito Fogger	101	11.9
Pneumatic Wrench (½")	101	11.9
Wood Chipper	101	11.9
Concrete Handsaw	102	9.4
Pneumatic Wrench (1")	105	4.7

 = Allowed Exposure Time Without Hearing Protection (minutes)

For more information, visit:

American Industrial Hygiene Association:
www.aiha.org
 Protect Yourself From Noise-Induced Hearing Loss

National Institute for Occupational Safety and Health:
www.cdc.gov/niosh
 Noise and Hearing Loss Prevention

Learn More

Visit www.emcins.com and select **Loss Control** for more safety resources to help reduce losses.

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