

Sound Pressure Levels From Various Equipment Shop Tools



Shop-Vac Wet/Dry Vacuum
Industrial 2.0 HP 10 Gallon

Sound Pressure Level (dBA) **90.0**dBA

L-Max Result **92.9**dBA

Hearing Protection Recommended **YES**



Milwaukee Grinder
4-1/2" Heavy Duty

Sound Pressure Level (dBA) **99.8**dBA

L-Max Result **102.1**dBA

Hearing Protection Recommended **YES**



Porter-Cable Belt Sander
4 x 24" Belt (not sanding)

Sound Pressure Level (dBA) **109.5**dBA

L-Max Result **111.7**dBA

Hearing Protection Recommended **YES**



Makita Router
3600B

Sound Pressure Level (dBA) **108.1**dBA

L-Max Result **109.3**dBA

Hearing Protection Recommended **YES**



Porter-Cable Belt Sander
4 x 24" Belt (sanding 1" dowel)

Sound Pressure Level (dBA) **101.4**dBA

L-Max Result **103.7**dBA

Hearing Protection Recommended **YES**



Craftsman Planer
(reconditioned) #315,277160 (not planing)

Sound Pressure Level (dBA) **102.6**dBA

L-Max Result **104.2**dBA

Hearing Protection Recommended **YES**



Craftsman Planer
(reconditioned) #315,277160 (planing 1" dowel)

Sound Pressure Level (dBA) **110.1**dBA

L-Max Result **113.9**dBA

Hearing Protection Recommended **YES**




Dewalt Drill
3/8" Electric

Sound Pressure Level (dBA) **97.5**dBA

L-Max Result **99.7**dBA

Hearing Protection Recommended **YES**




Craftsman Drill
1/2" Electric

Sound Pressure Level (dBA) **101.6**dBA

L-Max Result **105.1**dBA

Hearing Protection Recommended **YES**



Craftsman Radial Arm Saw
12" (not cutting)

Sound Pressure Level (dBA) **90.4**dBA

L-Max Result **96.2**dBA

Hearing Protection Recommended **YES**



Craftsman Radial Arm Saw
12" (cutting)

Sound Pressure Level (dBA) **98.8**dBA

L-Max Result **105.8**dBA

Hearing Protection Recommended **YES**



Craftsman Circular Saw
7-1/4" worm drive electric

Sound Pressure Level (dBA) **101.6**dBA

L-Max Result **104.0**dBA

Hearing Protection Recommended **YES**




Porter Cable "Tiger" Saw
737Mod, electric

Sound Pressure Level (dBA) **108.3**dBA

L-Max Result **110.6**dBA

Hearing Protection Recommended **YES**



Dewalt Circular Saw
6-1/2", battery operated

Sound Pressure Level (dBA) **93.5**dBA

L-Max Result **94.4**dBA

Hearing Protection Recommended **YES**



Milwaukee HD Circular Saw
10-1/4"

Sound Pressure Level (dBA) **100.8**dBA

L-Max Result **102.3**dBA

Hearing Protection Recommended **YES**



Dewalt Recip-Saw
18 V battery operated

Sound Pressure Level (dBA) **105.5**dBA

L-Max Result **106.9**dBA

Hearing Protection Recommended **YES**




Grizzly Planer
20" (running small wood)

Sound Pressure Level (dBA) **94.7**dBA

L-Max Result **97.6**dBA

Hearing Protection Recommended **YES**



Grizzly Planer
20" (running large wood)

Sound Pressure Level (dBA) **114.2**dBA

L-Max Result **118.2**dBA

Hearing Protection Recommended **YES**



Dewalt Compound Miter Saw
12" (cutting)

Sound Pressure Level (dBA) **95.1**dBA

L-Max Result **100.9**dBA

Hearing Protection Recommended **YES**



Ryobi Super Miter Saw

Sound Pressure Level (dBA) **102.8**dBA

L-Max Result **103.7**dBA

Hearing Protection Recommended **YES**



Makita Miter Saw
10" (not cutting)

Sound Pressure Level (dBA) **96.8**dBA

L-Max Result **100.4**dBA

Hearing Protection Recommended **YES**



Makita Miter Saw
10" (cutting 1" dowel)

Sound Pressure Level (dBA) **100.3**dBA

L-Max Result **106.3**dBA

Hearing Protection Recommended **YES**



Ridgid Metal Cut Off Chop Saw

Sound Pressure Level (dBA) **100.0**dBA

L-Max Result **102.3**dBA

Hearing Protection Recommended **YES**



Craftsman Table Saw
10" Belt Drive 3HP (not cutting)

Sound Pressure Level (dBA) **82.6**dBA

L-Max Result **86.9**dBA

Hearing Protection Recommended **YES**



Craftsman Table Saw
10" Belt Drive 3HP (cutting)

Sound Pressure Level (dBA) **91.2**dBA

L-Max Result **95.8**dBA

Hearing Protection Recommended **YES**



Sears Bench Grinder
3/4 HP

Sound Pressure Level (dBA) **92.5**dBA

L-Max Result **95.4**dBA

Hearing Protection Recommended **YES**




Nearby Blade Sharpener/Grinder
400 (while grinding metal)

Sound Pressure Level (dBA) **86.7**dBA

L-Max Result **90.6**dBA

Hearing Protection Recommended **YES**




Indoor Air Compressor

Sound Pressure Level (dBA) **83.3**dBA

L-Max Result **84.3**dBA

Hearing Protection Recommended **NO**




Honda Generator
4000

Sound Pressure Level (dBA) **96.1**dBA

L-Max Result **98.6**dBA

Hearing Protection Recommended **YES**



Ace Tank-Gas Pump

Sound Pressure Level (dBA) **88.3**dBA

L-Max Result **90.5**dBA

Hearing Protection Recommended **YES**

Hearing protection requirements are based on the operating noise level of the equipment having a Sound Pressure Level in excess of 85 dBA or an L-Max Result in excess of 115 dBA.

¹ Type 2 dosimeters carry an acceptable margin of error of +/- 2dB. This should be considered when interpreting results.

These readings were taken at Oregon Parks and Recreation locations. Readings may vary depending on use, location, age of equipment, and maintenance.

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