



## Useful Acoustic Reference Data

The following table shows typical sound pressure levels that occur in common scenarios:

<b>Activity</b>	<b>Typical A-Weighted Sound Pressure Level, dB(A)</b>	<b>Equivalent Sound Pressure in Pascals</b>
Threshold of hearing (Average young healthy adult)	0	0.00002
Inside a quiet home	40	0.002
Whispered speech, at 3 feet distance	45	0.0036
On a quiet residential street	50	0.0063
Normal conversation, at 3 feet distance	60	0.020
Inside a passenger car	70	0.06
Loud singing, at 3 feet distance	75	0.11
Automobile, at 25 feet distance	80	0.20
Motorcycle, at 30 feet distance	88	0.50
Food blender, at 3 feet distance	90	0.63
Subway (inside carriage)	94	1.00
Diesel truck, at 30 feet distance	100	2.00
Power mower, at 3 feet distance	107	4.48
Live music inside concert hall/arena	100 to 110	2.00 to 6.32
Pneumatic riveter, at 3 feet distance	115	11.25
Chainsaw, at 3 feet distance	117	14.16
Jet plane, at 100 feet distance	130	63.25

Sound pressure levels are in decibels (dB) referenced to a pressure of 20 $\mu$  Pascals