

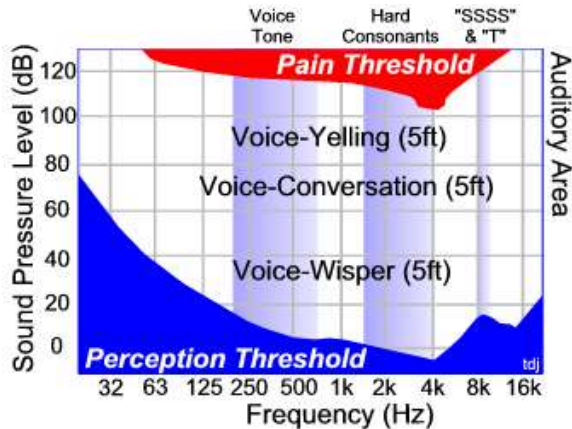
Charts

(Oh, now I SEE what it SOUNDS like.)

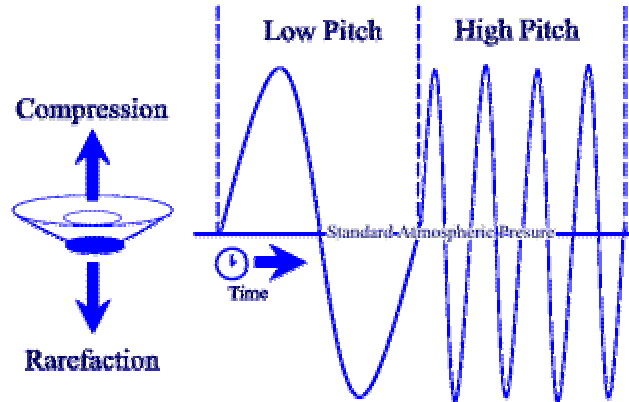
Three Helpful Charts That Define Audio Relationships.

by Tim Johnson

What We Hear



Visual Sound



Decibel vs. Wattage

The following is a graph of the relationship between decibels and wattage.

Measurement	Perceived Difference	Wattage	Ratio
+20 dBA	About 4 times as loud (2 Bells)	10000	100
+10 dBA	About twice as loud (1 Bell)	1000	10
+6 dBA	Clearly louder	400	4
+3 dBA	Louder	200	2
+1 dBA	Barely perceptible difference	125	1.25
0 dB	Reference Point	*100	1
-1 dBA	Barely perceptible difference	80	.8
-3 dBA	Quieter	50	.5
-6 dBA	Clearly quieter	25	.25
-10 dBA	About half as loud	10	.1
-20 dBA	About 1/4th as loud	1	.01

[More Help Files](#)

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