

Required Sound Power/Pressure Level Data

- Manufacturer's name and model number of the unit(s), including the capacity (air or fluid flow, static pressure, or head), operating speed, drive motor size and speed, and details on any special operating configurations, if applicable.
- Drawings showing the location and elevation of the equipment, as well as a site plan showing the layout of the site with respect to the neighboring property line(s). This information is necessary to calculate any attenuation that might be gained due to shielding from barriers or topography.
- Manufacturer's published octave band sound power level (L_w) or sound pressure level (L_p) data in all four directions. For fans and blowers, the data should include the case radiated (mechanical) sound power or sound pressure levels of the unit. All octave band data should include levels in the nine (eight for fans and blowers) standard octave bands. Sound pressure levels should be given for distances greater than the largest diagonal measure of the unit or machine. Sound pressure level data any closer will not be useful for developing acoustical models, noise contours, and expected property line sound levels for comparison with codes and regulations.
- Data should be provided in the following format:

Table 1 – Octave Band Sound Power Levels (L_w) Produced by _____ in Normal Operation, at a Speed of _____ RPM. [dB re: 10^{-12} W]									
	Octave Band Center Frequency (Hz)								
	31.5	63	125	250	500	1000	2000	4000	8000
Sound Power Level (L_w), dB									

Table 2 – Octave Band Sound Pressure Levels (L_p) Produced by _____ at a Distance of _____ Feet from the _____ in Normal Operation, at a Speed of _____ RPM. [dB re: 20 μPa]									
	Octave Band Center Frequency (Hz)								
	31.5	63	125	250	500	1000	2000	4000	8000
Sound Pressure Level (L_p), at _____ Feet, dB									