



Sound Pressure Level @ 7 meters, dB(A)

See Notes 1-8 listed below

Configuration		Measurement Location Number								Average
		1	2	3	4	5	6	7	8	
Standard - Unhoused	Infinite Exhaust	77.0	79.4	76.3	78.4	76.0	78.8	78.7	79.8	78.3
F182 and F216 –Weather	Infinite Exhaust	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F182 and F216 –Weather w/Exhaust Silencer	Mounted Muffler	79.4	80.6	77.1	78.6	75.3	79.3	79.1	80.8	79.1
F183-Weather	Infinite Exhaust	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F183 –Weather w/Residential Muffler	Mounted Muffler	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F172 - Quiet Site II First Stage	Mounted Muffler	75.1	75.8	67.3	66.6	64.2	66.3	68.5	76.2	72.3
F173 and F217 - Quiet Site II Second Stage	Mounted Muffler	62.3	65.3	65.9	65.6	62.5	64.4	63.4	65.8	64.6

Sound Power Level, dB(A)

See Notes 2-6, 9, 10 listed below

Configuration		Octave Band Center Frequency (Hz)								Overall Sound Power Level
		63	125	250	500	1000	2000	4000	8000	
Standard - Unhoused	Infinite Exhaust	68.6	88.8	90.5	97.8	99.1	96.7	93.8	88.1	103.8
Standard - Unhoused w/Critical Muffler	Mounted Muffler	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F182 and F216 -Weather w/Exhaust Silencer	Mounted Muffler	70.7	87.2	90.6	100.0	100.3	97.0	94.0	88.9	104.9
F183 –Weather w/Residential Muffler	Mounted Muffler	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F172 - Quiet Site II First Stage	Mounted Muffler	71.6	85.3	86.0	90.7	92.8	90.8	86.8	81.3	97.5
F173 and F217- Quiet Site II Second Stage	Mounted Muffler	70.5	83.5	82.8	82.4	79.9	79.7	75.4	66.6	89.2

Exhaust Sound Pressure Level @ 1 meter, dB(A)

Open Exhaust (No Muffler Rated Load)	Octave Band Center Frequency (Hz)								Sound Pressure Level
	63	125	250	500	1000	2000	4000	8000	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Note:

- Position 1 faces the engine front. The positions proceed around the generator set in a counter-clockwise direction in 45° increments. All positions are at 7m (23 ft) from the surface of the generator set and 1.2m (48") from floor level.
- Sound levels are subject to instrumentation, measurement, installation and manufacturing variability.
- Sound data with remote-cooled generator sets are based on rated loads without cooling fan noise.
- Sound levels for aluminum enclosures are approximately 2 dB(A)s higher than listed sound levels for steel enclosures.
- Sound data for generator set with infinite exhaust do not include exhaust noise.
- Data is based on full rated load with standard radiator-cooling fan package
- Sound Pressure Levels are measured per ANSI S1.13 and ANSI S12.18, as applicable.
- Reference sound pressure is 20 µPa.
- Sound Power Levels per ISO 3744 and ISO 8528-10, as applicable.
- Reference power = 1 pw (10⁻¹² W)
- Exhaust Sound Pressure Levels are per ISO 6798, as applicable.