

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	77.1	78.0	74.3	77.0	74.4	76.7	76.8	78.1	76.8
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	83.0	83.8	80.5	82.5	81.6	82.9	83.5	84.7	83.0
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	75.7	77.4	68.4	68.0	66.2	67.3	68.4	76.9	73.3
F173 and F217 - Quiet Site II Second Stage	Mounted Muffler	65.1	67.8	66.1	67.2	66.2	66.0	65.7	66.0	66.3

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	65.9	83.1	92.3	96.8	97.6	95.1	92.3	88.8	102.6
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	97.5	101.0	97.6	101.8	99.3	98.7	99.6	94.4	108.4
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	77.0	81.9	88.8	90.9	92.9	91.2	89.3	82.4	98.1
F173 and F217- Quiet Site II Second Stage	Mounted Muffler	77.4	81.9	84.5	82.8	84.7	82.4	84.0	76.3	91.7

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	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.