

### 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	89	92	92	91	88	91	91	93	91
F184 -Critical Muffler	Mounted Muffler	88	92	91	90	88	93	90	94	91
F200-Weather	Mounted Muffler	91	90	85	88	89	88	85	91	89
F201 - Quiet Site II First Stage	Mounted Muffler	90	89	84	83	79	81	83	90	87
F202 - Quiet Site II Second Stage	Mounted Muffler	71	73	71	72	73	74	74	73	73

### 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 (Note 3)	Infinite Exhaust	82	98	104	109	112	113	111	113	119
F184 -Critical Muffler	Mounted Muffler	95	104	105	109	110	111	108	109	117
F200-Weather	Mounted Muffler	101	108	106	110	112	111	107	102	118
F201 - Quiet Site II First Stage	Mounted Muffler	101	108	105	108	111	109	106	99	116
F202 - Quiet Site II Second Stage	Mounted Muffler	84	93	93	96	98	99	96	89	104

### 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	
	91	107	113	111	113	114	115	109	121

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<sup>-12</sup> W)
- Exhaust Sound Pressure Levels are per ISO 6798, as applicable.