

NOISE CRITERIA STANDARDS

ISO (International Organization for Standardization)

NR	OCTAVE-BAND CENTER FREQUENCY - Hz									dBA Equivalent
	31.5	63	125	250	500	1K	2K	4K	8K	
20	69	51.3	39.4	30.6	24.3	20	16.8	14.4	12.6	30
25	72.4	52	43.7	35.2	29.2	25	21.9	19.5	17.7	35
30	75.8	59.2	48.1	39.9	34.0	30	26.9	24.7	22.9	39
35	79.2	63.1	52.4	44.5	38.9	35	32.0	29.8	28.0	44
40	82.6	67.1	56.8	49.2	43.8	40	37.1	34.9	33.2	48
45	86	71	61.1	53.6	48.6	45	42.2	40	38.3	53
50	89.4	75	65.5	58.5	53.5	50	47.2	45.2	43.5	58
55	92.9	78.9	69.8	63.1	58.4	55	52.3	50.3	48.6	62
60	96.3	82.9	74.2	67.8	63.2	60	57.4	55.4	53.8	67
65	99.7	86.8	78.5	72.4	68.1	65	62.5	60.5	58.9	72
70	103.1	90.8	82.9	77.1	73	70	67.5	65.7	64.1	77
75	106.5	94.7	87.2	81.7	77.9	75	72.6	70.8	69.2	82
80	109.9	98.7	91.6	86.4	82.7	80	77.7	75.9	74.4	87
85	113.3	102.6	95.9	91	87.6	85	82.8	81	79.5	91
90	116.7	106.6	100.3	95.7	92.5	90	87.8	86.2	84.7	96
95	120.1	110.5	104.6	100.3	97.3	95	92.9	91.3	89.8	101
100	123.5	114.5	109	105	102.2	100	98	96.4	95	106
105	126.9	118.4	113.3	109.6	107.1	105	103.1	101.5	100.1	111
110	130.3	122.4	117.7	114.3	111.9	110	108.1	106.7	105.3	116
115	133.7	126.3	122	118.9	116.8	115	113.2	111.8	110.4	121
120	127.1	130.3	126.4	123.6	121.7	120	118.3	116.9	115.6	126
125	140.5	134.2	130.7	128.2	126.6	125	123.4	122	120.7	131

ISO Noise Rating (NR) Curves

NEMA (National Electrical Manufacturers Association)

NEMA - Criteria (See Code Key Below)	OCTAVE-BAND CENTER FREQUENCY - Hz								~dBA Equivalent
	63	125	250	500	1K	2K	4K	8K	
	SOUND PRESSURE LEVELS, Lp								
A	58	44	37	32	28	25	22	20	37
B	63	50	43	37	34	31	28	25	42
C	67	56	48	43	39	36	33	31	47
D	71	60	53	47	44	41	38	35	52
E	75	65	58	53	49	46	43	41	57
F	79	70	62	57	54	51	48	45	62
G	83	74	68	63	59	55	52	50	67
H	87	79	72	67	64	61	57	55	72

Urban - Residential

Peaking - daytime only	F
Peaking - nighttime only	D
Continuous - daytime only	E
Continuous - day and night	C

Urban - Nearby Industry

Peaking - daytime only	G
Peaking - nighttime only	E
Continuous - daytime only	F
Continuous - day and night	D

Area of Heavy Industry

Peaking - daytime only	H
Peaking - nighttime only	F
Continuous - daytime only	G
Continuous - day and night	E

Suburban - Residential

Peaking - daytime only	E
Peaking - nighttime only	C
Continuous - daytime only	D
Continuous - day and night	B

Very Quiet Suburban or Rural Residential

Peaking - daytime only	D
Peaking - nighttime only	B
Continuous - daytime only	C
Continuous - day and night	A

NEMA Criteria