

# Performance Data

## Electronic and ElectroMechanical Sirens

MODEL	MAX. SOUND OUTPUT (dBC)		TYPE		TONE		Nominal Output Frequency	No. of Signals Available	Horizontal Beam Width @ -6dB Points	Effective Range for 70dBC Level Ft.	Nominal Rotor Speed RPM	Rotational Speed RPM
	Free Field Non-Reflective @ 100'	Outdoor Rating @ 100'	Omnidirectional	Directional	Single	Dual						
2	98	104	X		X		488	2	360°	1000	5850 <sup>1</sup>	
2T	94	100	X			X	425/525	2	360°	800	6340 <sup>1</sup>	
5	107	113	X		X		675	2	360°	2000	3375	
5T	102	108	X			X	500/675	2	360°	1400	3355	
SD10	103	109	X			X	525/675	2	360°	1500	3440	
STH10	109	115	X		X		675	2	360°	2400	3375	
STL10	108	114	X		X		387	2	360°	2200	3320	
2T22	107	113	X			X	575/675	2	360°	2000	3410	
3T22	107	113	X			X	575/675	3	360°	2000	3410	
RSH10	122	128		X	X		675	2	60°	5600	3375	2
1000	125	131		X	X		550	2	80°	6900	6600 <sup>1</sup>	2 or 4
1000T	121	127		X		X	550/675	2	80°	5200	6675 <sup>1</sup>	2 or 4
1003	121	127		X		X	550/675	3	80°	5200	6675 <sup>1</sup>	2 or 4
7012, 7022 System 7000	125	131		X	X		550	6	80°	6900	6600 <sup>1</sup>	2 or 4
7026 System 7000	121	127		X		X	550/675	6	80°	5200	6675 <sup>1</sup>	2 or 4
EOWS*115	113	119	X			X	300/1020 <sup>2</sup>	7 <sup>3</sup>	360°	2700	*	
EOWS*408	119	125		X		X	300/1020 <sup>2</sup>	7 <sup>3</sup>	60°	4000	*	.75 or 1.5
	122	128		X	X		300/850 <sup>2</sup>	7 <sup>3</sup>	40°	4900	*	.75 or 1.5
EOWS*812	124	130		X		X	300/1020 <sup>2</sup>	7 <sup>3</sup>	60°	5600	*	.75 or 1.5
	126	132		X	X		300/850 <sup>2</sup>	7 <sup>3</sup>	40°	6400	*	.75 or 1.5
EOWS*M12	—	123 @ 10'		X	X	X	300/1020 <sup>2</sup>	7 <sup>4</sup>	—	1100	*	*

NOTES: <sup>1</sup> = RPM on these sirens are voltage dependent. <sup>2</sup> = Standard operating frequency range for various signals. <sup>3</sup> = Has voice capability.

The Free-Field, Non-Reflective Sound Output figures are derived from anechoic chamber measurements or measurements made outdoors where the siren and the sound level recorder were mounted at an elevation of 50 feet and separated by 100 feet. The second column indicates the nominal siren rating which includes a 6dB ground reflection factor. These numbers are given since they compare directly with outdoor sound output levels as measured according to the Office of Civil Defense (now FEMA) measurement criteria. For years these figures have been used in application of sirens. More recently however, anechoic chamber measurements have been viewed as more readily attainable and generally more reliable. All of the free-field sound output levels given are taken from reports prepared by independent acoustic consultants including Acoustic Technology, Inc., Boston, Massachusetts, and IIT Research Institute, Chicago, Illinois. Test reports available on request.

\* Not applicable.