

SC 630M horn speaker sound pressure level chart

As an index to express the intensity of sound from a speaker sound pressure level (dB) is generally used. The sound pressure level rises as the electrical input to the speaker increases and falls as the distance from the speaker increases.

The below chart shows the approx sound pressure level achieved at varying distances and electrical inputs (w)

Distance from speaker (m)		1	2	5	10	15	20	30	40	60	80
Electrical input (w)	1	113dB	107dB	99dB	93dB	89.5dB	87dB	83.5dB	81dB	77.4dB	74.9dB
	1.5	115.6dB	109.6dB	101.6dB	95.6dB	92.1dB	89.6dB	86.1dB	83.6dB	80dB	77.5dB
	3	117.8dB	111.8dB	103.8dB	97.8dB	94.3dB	91.8dB	88.3dB	85.8dB	82.2dB	79.7dB
	5	120dB	114dB	106dB	100dB	96.5dB	94dB	90.5dB	88dB	84.4dB	81.9dB
	6	120.8dB	114.8dB	106.8dB	100.8dB	97.3dB	94.8dB	91.3dB	88.8dB	85.2dB	82.7dB
	10	123dB	117dB	109dB	103dB	99.5dB	97dB	93.5dB	91dB	87.4dB	84.9dB
	15	124.8dB	118.8dB	110.8dB	104.8dB	101.3dB	98.8dB	95.3dB	92.8dB	89.2dB	86.7dB
	20	126dB	120dB	112dB	106dB	102.5dB	100dB	96.5dB	94dB	90.4dB	87.9dB
	30	127.8dB	121.8dB	113.8dB	107.8dB	104.3dB	101.8dB	98.3dB	95.8dB	92.2dB	89.7dB