

WOOFER 6W4P 8W4P

Selenium's professional 6" woofer provides excellent performance in the mid frequency ranges. Its great efficiency in sound reproduction is due excellent combination of the different components. The light cone manufactured with long fiber pulp together with a surround of impregnated foam give the array great stability, high yield and low distortion. The voice coil is made of high temperature wire, wound on Kapton former. The epoxy painted reinforced steel frame provides the array with high mechanical resistance. The use of highly resistant adhesives guarantees optimal cohesion and durability of components.

Selenium's professional 8" woofer is designed to meet a variety of PA needs for small and medium-sized rooms, with excellent performance in the mid and low frequency ranges. For sound reinforcement in nightclubs, dancing halls, auditoriums and bands. Its great efficiency in sound reproduction is due to the excellent combination of the different components. The light cone manufactured with long fiber pulp together with a surround of impregnated fabric give the array great stability, high yield and low distortion. The voice coil is made of high temperature wire, wound on Kapton former. The epoxy painted reinforced steel frame provides the array with high mechanical resistance. The use of highly resistant adhesives guarantees optimal cohesion and durability of components.

SPECIFICATIONS Nominal diameter	mm(in)	6W4P 152(6)	8W4P 205(8)
Nominal impedance	Ω	8	8
Minimum impedance	Ω	7.0(@300Hz)	6.5(@325Hz)
Power handling			
Continuous Music ¹	W	200	300
AES ²	W	100	150
Sensitivity (2.83V@1m) (6" 80 to 9kHz, 8" 100 to 6.5kHz)	DB SPL	91	96
Power compression @ 0 dB (nom. Power)	dB	3.6	3.7
Power compression $\tilde{@}$ -3 dB (nom. power)/2	dB	1.9	2.6
Power compression @ -10 dB (nom. Power)/10	dB	0.3	1.1
Frequency response @ -10 dB	Hz	80 - 9,000	100 - 6,500



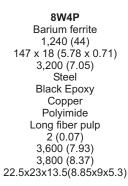
6W4P

¹Power handling specifications refer to normal speech and/or continuous music material, reproduced by an amplifier producing no more than 5% distortion. Power is calculated as true RMS voltage squared divided by the nominal impedance of the loudspeaker ³ AES Standard (60 - 600 Hz).

THIELE-SMALL PARAMETERS

Fs		6W4P	8W4P
Vas	Hz	76	107
Qts	l(ft)	8(0.28)	9.2(0.32)
Qes		0.83	0.70
Qms		0.95	0.74
ho (half space)		6.7	13.2
Sd	%	.36	1.5
Vd (Sd x Xmax)	m(in)	.0238(21.39)	.025(38.75)
Xmax (max. excursion (peak) with 10% distortion)	cm(in)	32(1.95)	50(3.05)
Xlim (max. excursion (peak) before physical damage)	mm(in)	2.3(0.09)	2(0.08)
sam (maxi excercion (peak) before physical damage)	mm(in)	10.6(0.42)	16(0.63)

ADDITIONAL INFORMATION Magnet material Magnet weight Magnet diameter x depth Magnetic assembly weight Frame material Frame finish Voice coil material Voice coil former material Cone material	g(oz) mm(in) g(lb)	6W4P Barium ferrite 560 (19.75) 115 x 14 (4.42 x 0.55) 1,520 (3.35) Steel Black Epoxy Copper Polyimide Long fiber pulp
Volume displaced by woofer	l(ft)	1.5 (0.06)
Net weight	g(lb)	1,700 (3.75)
Gross weight	g(lb)	1,800 (3.96)
Carton dimensions	cm(in)	17.5x18x9(6.9x6.9x7)





Specifications subject to change without prior notice



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