

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

		6W4P	8W4P
Nominal diameter	mm(in)	152(6)	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 @ -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

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

² AES Standard (60 - 600 Hz).



6W4P



8W4P



THIELE-SMALL PARAMETERS

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

ADDITIONAL INFORMATION

		6W4P	8W4P
Magnet material		Barium ferrite	Barium ferrite
Magnet weight	g(oz)	560 (19.75)	1,240 (44)
Magnet diameter x depth	mm(in)	115 x 14 (4.42 x 0.55)	147 x 18 (5.78 x 0.71)
Magnetic assembly weight	g(lb)	1,520 (3.35)	3,200 (7.05)
Frame material		Steel	Steel
Frame finish		Black Epoxy	Black Epoxy
Voice coil material		Copper	Copper
Voice coil former material		Polyimide	Polyimide
Cone material		Long fiber pulp	Long fiber pulp
Volume displaced by woofer	l(ft)	1.5 (0.06)	2 (0.07)
Net weight	g(lb)	1,700 (3.75)	3,600 (7.93)
Gross weight	g(lb)	1,800 (3.96)	3,800 (8.37)
Carton dimensions	cm(in)	17.5x18x9(6.9x6.9x7)	22.5x23x13.5(8.85x9x5.3)

Specifications subject to change without prior notice