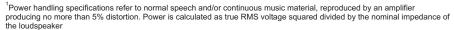


SUBWOOFER SWS1100

The NEW and Improved SWS1100 series subwoofer is available in 15 and 18". Selenium loudspeakers specially developed this driver to meet the requirements of high power sound reproduction systems in low frequency ranges with large linear displacement of the cone. These products include 4" voice coils on fiberglass former, polycotton double spiders, non-pressed paper cones, rubber-impregnated-cloth suspensions and injected aluminum frame.

The SWS1100 woofer incorporates the famous Selenium MCS (Multi Cooling System), which increases heat dissipation and reduces operating temperature increasing the output power with reduced power compression.

SPECIFICATIONS		15SWS1100	18SWS1100
Nominal diameter	mm(in)	380(15)	460(18)
Nominal impedance	Ω	8	8
Minimum impedance	Ω	7.1(@129Hz)	6.8(@102Hz)
Power handling			
Continuous Music ¹	W	2,200	2,200
AES ²	W	1,100	1,100
Sensitivity (2.83V@1m) averaged from 70 to 300Hz	DB SPL	95	97
Power compression @ 0 dB (nom. Power)	dB	3.5	4.1
Power compression @ -3 dB (nom. power)/2	dB	1.8	2.4
Power compression @ -10 dB (nom. Power)/10	dB	1.5	1.7
Frequency response @ -10 dB	Hz	35 - 3,000	30 - 3,000



³ AES Standard (60 - 600 Hz).

THIELE-SMALL PARAMETERS		15SWS1100	18SWS1100
Fs	Hz	37	34
Vas	l(ft)	140(4.94)	253(8.93)
Qts		0.41	0.50
Qes		0.42	0.52
Qms		13.2	11.68
ho (half space)	%	1.7	1.94
Sd	m(in)	.0814(126.17)	.1194(184.45)
Vd (Sd x Xmax)	cm(in)	757(46.2)	1,134(69.22)
Xmax (max. excursion (peak) with 10% distortion)	mm(in)	9.3(0.37)	9.3(0.37)
Xlim (max. excursion (peak) before physical damage)	mm(in)	25(0.98)	25(0.98)

ADDITIONAL INFORMATION		15WS1100
Magnet material		Barium ferrite
Magnet weight	g(oz)	3,440 (120)
Magnet diameter x depth	mm(in)	220 x 24 (8.66 x 0.95)
Magnetic assembly weight	g(lb)	11,200 (24.69)
Frame material	J ()	Aluminum
Frame finish		Black-Silver Epoxy
Voice coil material		Aluminum
Voice coil former material		Fiberglass
Cone material		Non-pressed long pulp
Volume displaced by woofer	I(ft)	7.2 (0.254)
Net weight	g(lb)	13,920 (30.69)
Gross weight	g(lb)	14,700 (32.41)
Carton dimensions	cm(in)	43x43x23(16.9x16.9x9)



 (lb)
 13,920 (30.69)
 14,180 (23.15)

 (lb)
 14,700 (32.41)
 15,400 (33.95)

 n(in)
 43x43x23(16.9x16.9x9)
 48x48x24(18.9x18.9x9.5)

Specifications subject to change without prior notice



International Audio 909 W Main St #380 Jacksonville AR 72076

Phone: (501) 988-4238 Fax (419) 793-5983

18SWS800
Barium ferrite
3,440 (120)
220 x 24 (8.66 x 0.95)
11,200 (24.69)
Aluminum
Black-Silver Epoxy
Aluminum
Fiberglass
Non-pressed long pulp
8.6 (0.304)