

SUBWOOFER 18WFH1P

The Selenium 18WFH1P 18" woofer is designed for use in professional applications and it was exclusively developed to use in folded horn box. The great sound efficiency is due to the excellent combination of the different components. The cone manufactured with long fiber pulp together with a surround of impregnated fabric give the moving system great stability, high yield and low distortion. The voice coil is made of high temperature wire, wound on fiberglass former. A reinforced aluminum injected frame is effective in absorbing mechanical shocks and acts as a heat sink without interfering with the magnetic field. The use of highly resistant adhesives guarantees optimal cohesion and durability of components.

SPECIFICATIONS

Nominal diameter	460 (18)	mm (in)
Nominal impedance	8	Ω
Minimum impedance	7.09@105Hz	Ω
Power handling		
Continuous Music ¹	1,600	W
AES ²	800	W
Sensitivity (2.83V@1m) averaged from 60 to 250Hz	94	dB SPL
Power compression @ 0 dB (nom. Power)	2.0	dB
Power compression @ -3 dB (nom. power)/2	0.6	dB
Power compression @ -10 dB (nom. Power)/10	0.3	dB
Frequency response @ -10 dB	34 to 1,800	Hz

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

²AES Standard (60 - 600 Hz).

THIELE-SMALL PARAMETERS

Fs	34.5	Hz
Vas	184 (6.49)	l (ft)
Qts	0.37	
Qes	0.38	
Qms	14.2	
ho (half space)	1.92	%
Sd	0.1194(185)	m(in)
Vd (Sd x Xmax)	1,134(69.3)	cm(in)
Xmax (max. excursion (peak) with 10% distortion)	5.25(0.2)	mm(in)
Xlim (max. excursion (peak) before physical damage)	32(1.25)	mm(in)

ADDITIONAL INFORMATION

Magnet material	Barium ferrite	
Magnet weight	3,440 (120)	g (oz)
Magnet diameter x depth	220 x 24 (8.66 x 0.95)	mm (in)
Magnetic assembly weight	9,600 (21.16)	g (lb)
Frame material	Aluminum	
Frame finish	Black Epoxy	
Voice coil material	Copper	
Voice coil former material	Fiberglass	
Cone material	Long fiber pulp	
Volume displaced by woofer	8.6 (0.30)	l (ft)
Net weight	11,600 (25.6)	g (lb)
Gross weight	12,820 (28.26)	g (lb)
Carton dimensions (W x D x H)	48 x 48 x 24 (18.9 x 18.9 x 9.5)	cm (in)

MOUNTING INFORMATION

Number of bolt-holes	8	
Connectors	Silver plated push terminals	
Minimum clearance between the back of the magnetic assembly and the enclosure wall	75 (3)	mm (in)



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