

SF-1802A

18"-1000W SUBWOOFER



KEY FEATURES

1000W AES Power Handling
100mm(4 in) copper voice coil
35–1.5K Hz response
97 dB SPL



TYPICAL CHARACTERISTICS

Nominal Diameter	–	mm	462
Rated impedance	–	Ω	8
Half space sensitivity (1w@1m)	–	dB SPL	97
Usable freq. range	–	Hz	35–1500
AES Power handling (1)	–	W	1000
Maximum Power Handling (2)	–	W	2000
Max Sound Pressure Level	SPLmax	dB SPL	99
Magnet Diameter	–	mm	220
Voice Coil Diameter	–	mm	100
BL product	BL	N/A	26.2
Moving mass	Mms	kg	0.123

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

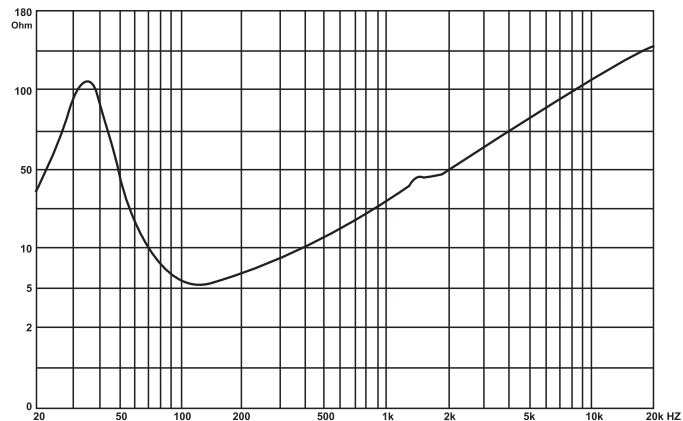
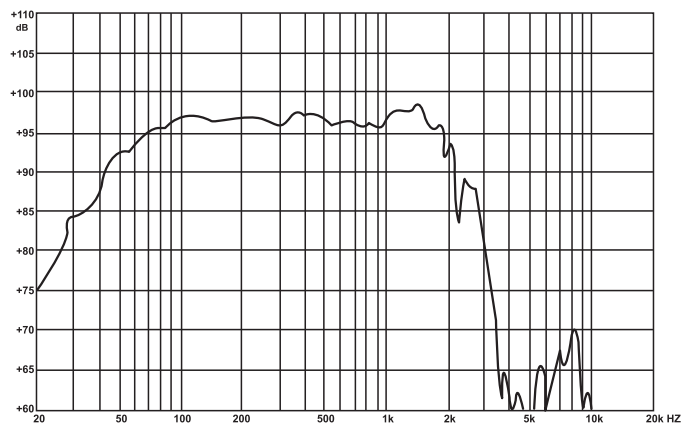
Resonance frequency	Fs	Hz	35($\pm$ 5)
DC Resistance	Re	Ω	5.6($\pm$ 0.5)
Mechanical quality factor	Qms	1	3.3
Electrical quality factor	Qes	1	0.27
Total quality factor	Qts	1	0.25
Mechanical suspension compliance	Cms	10 ⁻⁶ .m/N	180
Effective piston area	Sd	m ²	0.121
Equivalent Cas air load	Vas	dm ³	262
Max linear excursion	Xmax	$\pm$ mm	9.5
Linear displacement volume	Vd	10 ⁻³ .m ³	0.624
Reference efficiency	h0	%	2.8
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	12.2

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	462 mm
Bolt Circle Diameter	441 mm
Baffle Cutout Diameter	424.5 mm
Depth	198 mm
Net Weight	14.9 kg
Shipping Weight	15.7 kg
Shipping Box	500x500x250 mm

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	125
Max.excursion before damage	Xdam	$\pm$ mm	16
Ambient operating temperature	Ta	°C	–10 to +50
Storage temperature	–	°C	–20 to +70
Environmental withstanding Q	–	–	Outdoor



NOTE:

(1) 2 Hours Test According to AES 2–1984 Rev. 2003

(2) Maximum power is defined as 3dB greater than nominal power