SF-1806NA (Neodymium)

18"-1000W SUBWOOFER

SFaudio

KEY FEATURES

1000W AES Power Handling
100mm(4 in) copper voice coil
35–1.2 K Hz response
98.5 dB SPL
Special patent paper Cone



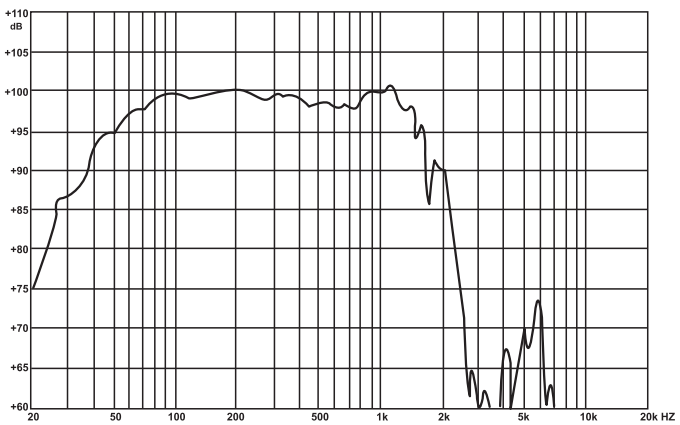
PATENT PRODUCT

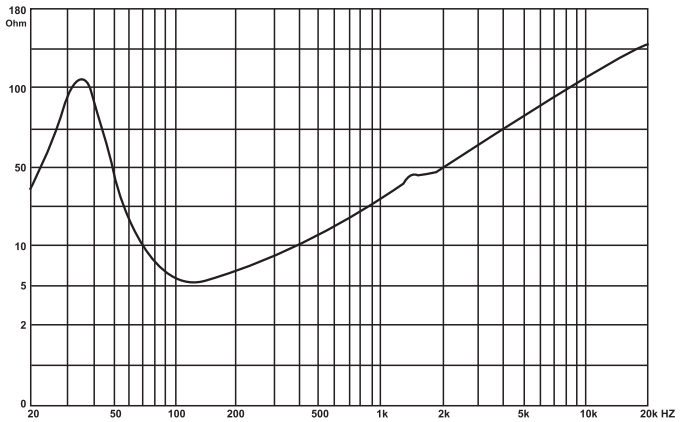


TYPICAL CHARACTERISTICS			
Nominal Diameter	–	mm	462
Rated impedance	–	Ω	8
Half space sensitivity (1w@1m)	–	dB SPL	98.5
Usable freq. range	–	Hz	35–1200
AES Power handling (1)	–	W	1000
Maximum Power Handling (2)	–	W	2000
Max Sound Pressure Level	SPLmax	dB SPL	101
Magnet Diameter	–	mm	97.5x12
Voice Coil Diameter	–	mm	100
BL product	BL	N/A	27.8
Moving mass	Mms	kg	0.126

ABSOLUTE MAXIMUM RATINGS			
Short term max. input voltage	Vmax	V	125
Max.excursion before damage	Xdam	± mm	16
Ambient operating temperature	Ta	℃	–10 to +50
Storage temperature	–	℃	–20 to +70
Environemental withstanding Q	–	–	Outdoor

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)			
Resonance frequency	Fs	Hz	35(± 5)
DC Resistance	Re	Ω	5.6(± 0.5)
Mechanical quality factor	Qms	1	4.3
Electrical quality factor	Qes	1	0.27
Total quality factor	Qts	1	0.26
Mechanical suspension compliance	Cms	10^{-6}.m/N	180
Effective piston area	Sd	m^2	0.121
Equivalent Cas air load	Vas	dm^3	258
Max linear excursion	Xmax	± mm	9.5
Linear displacement volume	Vd	$10^{-3}.m^3$	0.624
Reference efficiency	h0	%	2.8
Unity load volume	Vas.Qts^2	$10^{-3}.m^3$	12.6





MOUNTING AND SHIPPING INFORMATION	
Overall Diameter	462 mm
Bolt Circle Diameter	441 mm
Baffle Cutout Diameter	424.5 mm
Depth	210 mm
Net Weight	11.8 kg
Shipping Weight	12.5 kg
Shipping Box	500x500x250 mm

NOTE:
(1) 2 Hours Test According to AES 2–1984 Rev. 2003
(2) Maximum power is defined as 3dB greater than nominal power