

KEY FEATURES

- 500 Watt Max Power (LF)
- 220 Watt Max Power (HF)
- 75 mm (3 in) voice coil, aluminium wire (LF)
- 72 mm (2,83 in) voice coil, aluminium wire (HF)
- Interleaved sandwich voice coil (LF)
- Titanium diaphragm (HF)
- Neodymium magnet assembly
- Copper short, cap for extended frequency response (HF)
- Weather protect membrane for outdoor use (LF)



GENERAL	LF	HF	
Nominal Diameter	8" - 200 mm	1,4" - 3,56 mm	
Nominal Impedance	8 Ohm	8 Ohm	
Nominal Rdc	5,6 Ohm	5,7 Ohm	±0,4 Ohm
Power handling (AES) (*)	250 Watt	110 Watt	
Max Power	500 Watt	220 Watt	
Voice Coil Diameter	75 mm	72 mm	3/2,83 in
S.P.L. (1w, 1m)	96 dB	109 dB	±1,5 dB
Nominal Fs	70 Hz	450 Hz	±7/50 Hz
Flux Density	1,25 T	2,00 T	±0,08 T
Frequency Range	60-1200 Hz	1200-20000 Hz	
Sinusoidal Test Voltage	15 V	3 V	

(*) Life Test

Box Volume	25 liters
Input Signal	Pink noise
Band Pass Filter	50-5000 Hz, 12dB7oc
V on Speaker	45 V
Test duration	2 hours

MECHANICAL DATA

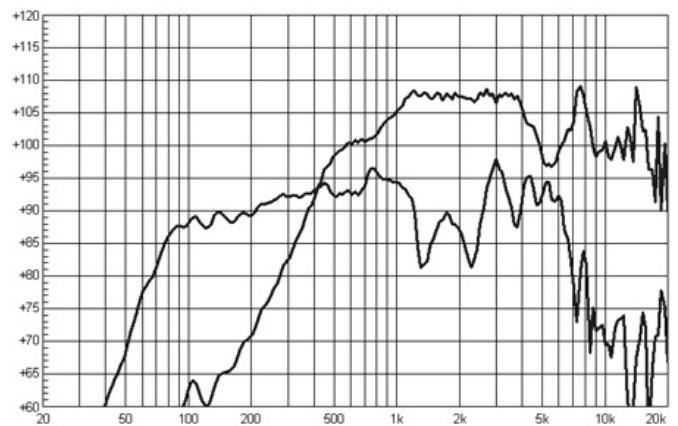
Weight	4,1 kg
Overall Diameter	208 mm
Overall Depth	150 mm
Baffle Cut Diameter	183 mm
Mounting holes number	4
Mounting holes diameter	5 mm
Mounting bolt diameter	194 mm

MATERIALS

Frame Material	Aluminium
Voice Coil Former	Kapton (LF-HF)
Voice Coil Wire	Aluminium (LF-HF)
Cone Material	Doped Paper (LF), Titanium (HF)
Cone Shape	Exponential (LF), Dome (HF)
Surround Material	Doped Nomex® fabric (LF), Titanium (HF)
Surround Shape	Two rolls (LF), Titanium (HF)
Suspension Material	Doped Nomex® fabric (LF)
Magnet Type	Neodymium
Magnet Weight	280 g

DIAGRAM

Frequency Response	Reflex Box (25 dmc) - 2,83 V - 1m
Impedance	(Iac=10m A)

**THIELE-SMALL PARAMETERS**

Qms	3,50
Qes	0,26
Qts	0,25
Fs	70,10 Hz
Re	5,69 Ohm
Mms	27,63 g
Cms	0,19 mm/N
Bl	16,20 T*m
Sd	227,00 cm²
Vas	13,49 liter
u0	1,70 %
XMax	6 mm
Le	0,71 mH
Rms	3,48 Kg/s
Efficiency Bandwidth	265,69

Air gap height=mm 10
Winding height=mm 17