

KEY FEATURES

- 1000 Watt Max Power (LF)
- 220 Watt Max Power (HF)
- 100 mm (4 in) voice coil, aluminium wire (LF)
- 100 mm (4 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)



GENERAL	LF	HF	
Nominal Diameter	15" - 380 mm	2" - 50 mm	
Nominal Impedance	8 Ohm	8 Ohm	
Nominal Rdc	6 Ohm	7,6 Ohm	±0,4 Ohm
Power handling (AES) (*)	500 Watt	110 Watt	
Max Power	1000 Watt	220 Watt	
Voice Coil Diameter	100 mm	100 mm	4/4 in
S.P.L. (1w, 1m)	99 dB	106 dB	±1,5 dB
Nominal Fs	55 Hz	450 Hz	±6/50 Hz
Flux Density	1,05 T	1,25 T	±0,08 T
Frequency Range	40-1200 Hz	1200-20000 Hz	
Sinusoidal Test Voltage	15 V	3 V	

(*) Life Test

Box Volume	80 liters
Input Signal	Pink noise
Band Pass Filter	20-2000 Hz, 12dB/oc
V on Speaker	56 V
Test duration	2 hours

MECHANICAL DATA

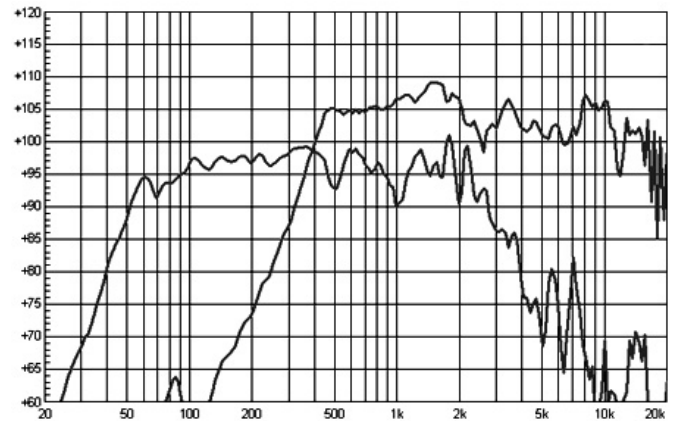
Weight	8,3 kg
Overall Diameter	388 mm
Overall Depth	211 mm
Baffle Cut Diameter	354 mm
Mounting holes number	8
Mounting holes diameter	6,5 mm
Mounting bolt diameter	368 mm

MATERIALS

Frame Material	Aluminium
Voice Coil Former	Fiberglass (LF), Kapton (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	Three waves (LF), Flat (HF)
Suspension Material	Doped Nomex® fabric (LF)
Magnet Type	Neodymium
Magnet Weight	920 g

DIAGRAM

Frequency Response	Reflex Box (90 dmc) - 2,83 V - 1m
Impedance	(Iac=10m A)

**THIELE-SMALL PARAMETERS**

Qms	17,30
Qes	0,40
Qts	0,39
Fs	55,10 Hz
Re	6,00 Ohm
Mms	96,23 g
Cms	0,09 mm/N
Bl	22,33 T*m
Sd	855,00 cm²
Vas	88,92 liter
u0	3,58 %
XMax	7,5 mm
Le	0,87 mH
Rms	1,93 Kg/s
Efficiency Bandwidth	137,45

Air gap height=mm 10
Winding height=mm 20