

KEY FEATURES

- 2000 Watt Max Power
- 100 mm (4 in) voice coil, copper wire
- Interleaved sandwich voice coil
- Neodymium magnet assembly
- Weather protected membrane for outdoor use
- Ventilated voice coil and magnet circuit for improved heat dissipation



GENERAL

Nominal Diameter	18" - 450 mm
Nominal Impedance	8 Ohm
Nominal Rdc	6 Ohm ±0,4 Ohm
Power handling (AES) (*)	1000 Watt
Max Power	2000 Watt
Voice Coil Diameter	100 mm 4,00 in
S.P.L. (1w, 1m)	97 dB ±1,5 dB
Nominal Fs	27 Hz ±4 Hz
Flux Density	1,2 T ±0,08 T
Frequency Range	30-500 Hz
Sinusoidal Test Voltage	20 V

(*) Life Test

Box Volume	180 liters
Input Signal	Pink noise
Band Pass Filter	20-2000Hz, 12dB/oct
V on Speaker	89 V
Test duration	2 hours

MECHANICAL DATA

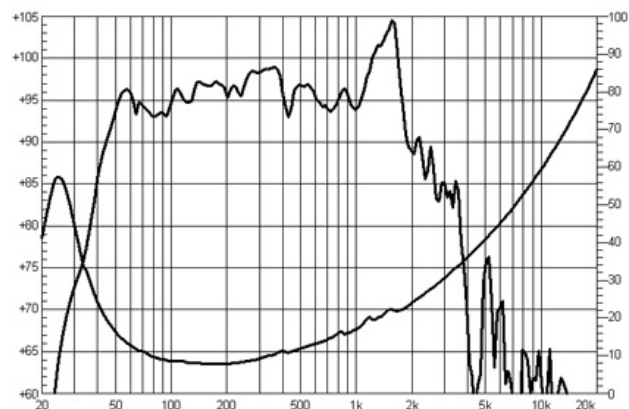
Weight	8,7 kg
Overall Diameter	460 mm
Overall Depth	202 mm
Baffle Cut Diameter	416 mm
Mounting holes number	8
Mounting holes diameter	7 mm
Mounting bolt diameter	440 mm

MATERIALS

Frame Material	Aluminium
Voice Coil Former	Fiberglass
Voice Coil Wire	Copper
Cone Material	Doped Paper
Cone Shape	Straight
Surround Material	Doped Nomex® fabric
Surround Shape	Two rolls
Suspension Material	Doped Nomex® fabric
Magnet Type	Neodymium
Magnet Weight	460 g

DIAGRAM

Frequency Response	Reflex Box (150 dmc) - 2,83 V - 1 m
Impedance	(Iac=10m A)



THIELE-SMALL PARAMETERS

Qms	2,85
Qes	0,29
Qts	0,26
Fs	27,30 Hz
Re	6,07 Ohm
Mms	216,58 g
Cms	0,16 mm/N
Bl	27,80 T*m
Sd	1164,00 cm²
Vas	298,29 liter
u0	2,01 %
XMax	11,5 mm
Le	1,12 mH
Rms	13,02 Kg/s
Efficiency Bandwidth	93,57

Air gap height = mm 14
Winding height = mm 30