

KEY FEATURES

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



GENERAL

Nominal Diameter	18" - 450 mm	
Nominal Impedance	8 Ohm	
Nominal Rdc	5,8 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	37 Hz	±4 Hz
Flux Density	1,25 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	20-2000 Hz, 12dB/oct
V on Speaker	90 V
Test duration	2 hours

MECHANICAL DATA

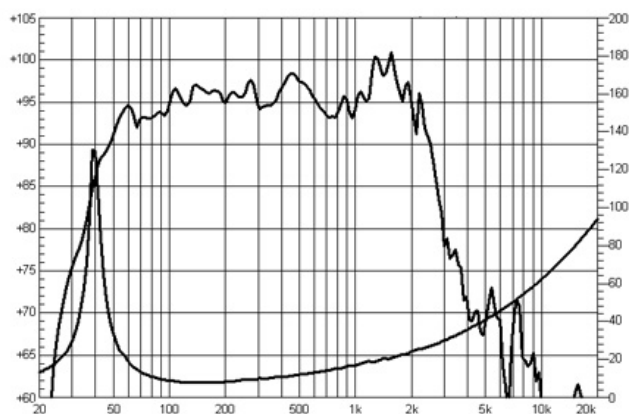
Weight	9,0 kg
Overall Diameter	460 mm
Overall Depth	207 mm
Baffle Cut Diameter	416 mm
Mounting holes number	8
Mounting holes diameter	7 mm
Mounting bolt diameter	440 mm

MATERIALS

Frame Material	Aluminium
Voice Coil Former	Fiberglass
Voice Coil Wire	Copper
Cone Material	Doped Paper
Cone Shape	Staight
Surround Material	Doped Nomex® fabric
Surround Shape	Three waves
Suspension Material	Doped Nomex® fabric
Magnet Type	Neodymium
Magnet Weight	620 g

DIAGRAM

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



THIELE-SMALL PARAMETERS

Qms	12,09
Qes	0,40
Qts	0,39
Fs	39,40 Hz
Re	5,99 Ohm
Mms	219,72 g
Cms	0,07 mm/N
Bl	28,47 T*m
Sd	1164,00 cm²
Vas	141,16 liter
u0	2,07 %
XMax	11,5 mm
Le	1,21 mH
Rms	4,50 Kg/s
Efficiency Bandwidth	98,20

Air gap height = mm.14
Winding height = mm.30