

KEY FEATURES

- 500 Watt Max Power
- 64 mm (2.50 in) voice coil, aluminium wire
- Neodymium magnet assembly
- Weather protected membrane for outdoor use
- Ventilated magnet circuit for improved heat dissipation



GENERAL

Nominal Diameter	10" - 250 mm
Nominal Impedance	8,00 Ohm
Nominal Rdc	5,4 Ohm ±0,4 Ohm
Power handling (AES) (*)	300 Watt
Max Power	600 Watt
Voice Coil Diameter	64 mm 2,50 in
S.P.L. (1w, 1m)	95 dB ±1,5 dB
Nominal Fs	70 Hz ±8 Hz
Flux Density	1,7 T ±0,08 T
Frequency Range	60-5000 Hz
Sinusoidal Test Voltage	15 V

(*) Life Test

Box Volume	40 liters
Input Signal	Pink noise
Band Pass Filter	20-2000Hz, 12dB/oct
V on Speaker	49 V
Test duration	2 hours

MECHANICAL DATA

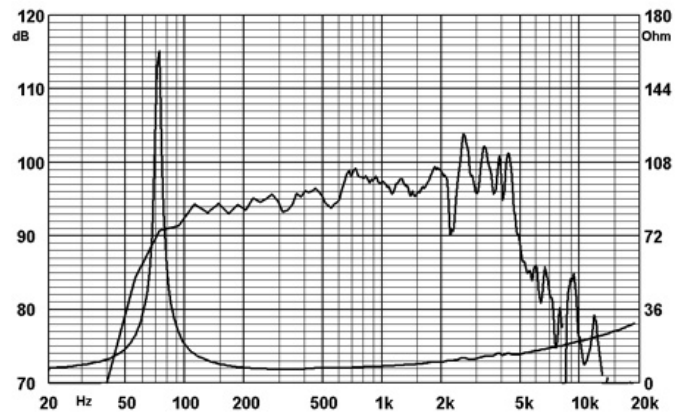
Weight	4,2 kg
Overall Diameter	206 mm
Overall Depth	127 mm
Baffle Cut Diameter	230 mm
Mounting holes number	8
Mounting holes diameter	6,5 mm
Mounting bolt diameter	245 mm

MATERIALS

Frame Material	Aluminium
Voice Coil Former	Kapton
Voice Coil Wire	Aluminium
Cone Material	Doped Paper
Cone Shape	Exponential
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 40dmc - 2,83 V - 1 m
Impedance	(Iac=10m A)



THIELE-SMALL PARAMETERS

Qms	11,69
Qes	0,52
Qts	0,50
Fs	70,80 Hz
Re	5,50 Ohm
Mms	42,00 g
Cms	0,12 mm/N
Bl	14,00 T*m
Sd	346,00 cm²
Vas	20,21 liter
u0	1,32 %
XMax	7,5 mm
Le	0,31 mH
Rms	1,60 Kg/s
Efficiency Bandwidth	135,04

Air gap height = mm 8
Winding height = mm 19