

KEY FEATURES

- 800 Watt Max Power
- 100 mm (4 in) voice coil, copper wire
- Interleaved sandwich voice coil
- Neodymium magnet assembly
- Ventilated voice coil and magnet circuit for improved heat dissipation



GENERAL

Nominal Diameter	12" - 320 mm
Nominal Impedance	8,00 Ohm
Nominal Rdc	5,4 Ohm ±0,4 Ohm
Power handling (AES) (*)	400 Watt
Max Power	800 Watt
Voice Coil Diameter	100 mm 4 in
S.P.L. (1w, 1m)	99 dB ±1,5 dB
Nominal Fs	48 Hz ±5 Hz
Flux Density	1,15 T ±0,08 T
Frequency Range	40-4000 Hz

(*) Life Test

Box Volume	40 liters
Input Signal	Pink noise
Band Pass Filter	20-2000 Hz 12dB/oct
V on Speaker	56 V
Test duration	2 hours

MECHANICAL DATA

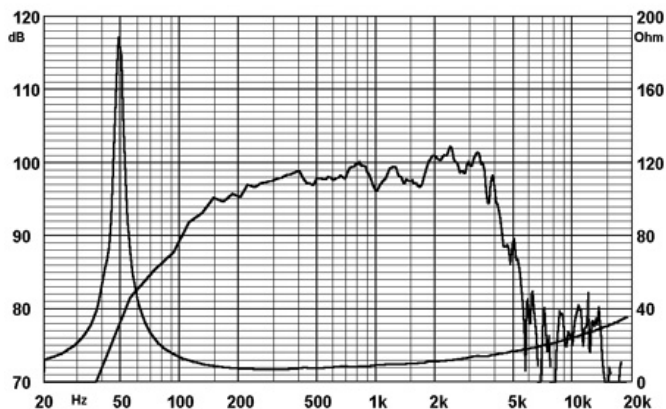
Weight	5,1 kg
Overall Diameter	315 mm
Overall Depth	142 mm
Baffle Cut Diameter	284 mm
Mounting holes number	8
Mounting holes diameter	7 mm
Mounting bolt diameter	295 mm

MATERIALS

Frame Material	Aluminium
Voice Coil Former	Fiberglass
Voice Coil Wire	Copper
Cone Material	Paper
Cone Shape	Exponential
Surround Material	Doped Nomex® fabric
Surround Shape	Three waves
Suspension Material	Doped Nomex® fabric
Magnet Type	Neodymium
Magnet Weight	580 g

DIAGRAM

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



THIELE-SMALL PARAMETERS

Qms	9,31
Qes	0,26
Qts	0,24
Fs	48,52 Hz
Re	5,30 Ohm
Mms	59,24 g
Cms	18 m/N
Bl	19,10 T*m
Sd	551 cm²
Vas	20,21 liter
u0	3,28 %
XMax	5 mm
Le	0,5 mH

Air gap height = mm 10
Winding height = mm 20