

KEY FEATURES

- 1600 Watt Max Power
- 100 mm (4 in) voice coil, aluminium wire
- Double spider for improved control and linearity
- Neodymium magnet assembly
- Weather protected membrane for outdoor use



GENERAL

Nominal Diameter	15" - 380 mm
Nominal Impedance	8 Ohm
Nominal Rdc	6 Ohm ±0,4 Ohm
Power handling (AES) (*)	800 Watt
Max Power	1600 Watt
Voice Coil Diameter	100 mm 4,00 in
S.P.L. (1w, 1m)	99,0 dB ±1,5 dB
Nominal Fs	49 Hz ±5 Hz
Flux Density	1,4 T ±0,08 T
Frequency Range	40-2000 Hz
Sinusoidal Test Voltage	18 V

(*) Life Test

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

MECHANICAL DATA

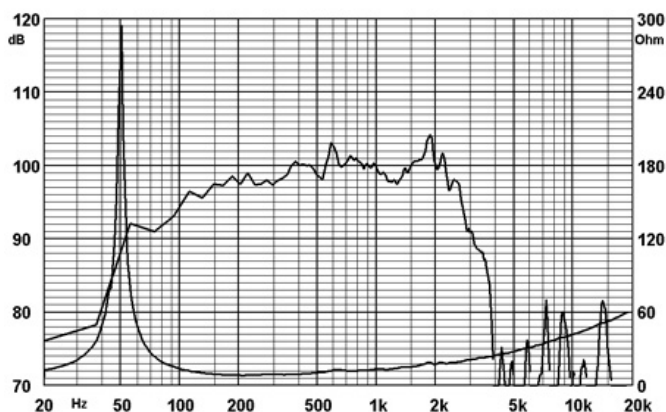
Weight	6 kg
Overall Diameter	388 mm
Overall Depth	175 mm
Baffle Cut Diameter	354 mm
Mounting holes number	8
Mounting holes diameter	7 mm
Mounting bolt diameter	370 mm

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	620 g

DIAGRAM

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



THIELE-SMALL PARAMETERS

Qms	11,81
Qes	0,31
Qts	0,31
Fs	48,60 Hz
Re	6,06 Ohm
Mms	107,00 g
Cms	0,19 mm/N
Bl	25,09 T*m
Sd	830,00 cm²
Vas	96,87 liter
u0	3,41 %
XMax	8 mm
Le	0,71 mH
Rms	2,77 Kg/s
Efficiency Bandwidth	154,52

Air gap height = mm 10
Winding height = mm 21