

KEY FEATURES

- 800 Watt Max Power
- 75 mm (3 in) voice coil, aluminium wire
- Neodymium magnet assembly
- Weather protected membrane for outdoor use
- 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 | 75 mm 3,00 in |
| S.P.L. (1w, 1m) | 100 dB ±1,5 dB |
| Nominal Fs | 55 Hz ±6 Hz |
| Flux Density | 1,5 T ±0,08 T |
| Frequency Range | 20-3000 Hz |
| Sinusoidal Test Voltage | 15 V |

(*) Life Test

| | |
|------------------|---------------------|
| Box Volume | 60 liters |
| Input Signal | Pink noise |
| Band Pass Filter | 20-2000Hz, 12dB/oct |
| V on Speaker | 56,5 V |
| Test duration | 2 hours |

MECHANICAL DATA

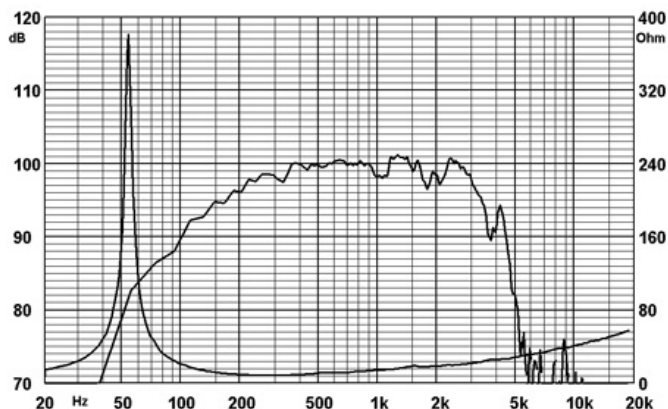
| | |
|-------------------------|--------|
| Weight | 5,0 kg |
| Overall Diameter | 315 mm |
| Overall Depth | 155 mm |
| Baffle Cut Diameter | 282 mm |
| Mounting holes number | 8 |
| Mounting holes diameter | 7 mm |
| Mounting bolt diameter | 295 mm |

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 | Box 25 dmc - 2,83 V - 1 m |
| Impedance | (Iac=10m A) |



THIELE-SMALL PARAMETERS

| | |
|----------------------|------------------------|
| Qms | 11,36 |
| Qes | 0,23 |
| Qts | 0,22 |
| Fs | 55,10 Hz |
| Re | 6,10 Ohm |
| Mms | 49,50 g |
| Cms | 0,17 mm/N |
| Bl | 21,36 T*m |
| Sd | 530,00 cm ² |
| Vas | 66,42 liter |
| u0 | 4,68 % |
| XMax | 6,5 mm |
| Le | 0,54 mH |
| Rms | 1,51 Kg/s |
| Efficiency Bandwidth | 240,49 |

Air gap height = mm 10
Winding height = mm 18