

**KEY FEATURES**

- 700 Watt Max Power (LF)
- 220 Watt Max Power (HF)
- 75 mm (3 in) voice coil, aluminium wire (LF)
- 72 mm (2,83 in) voice coil, aluminium wire (HF)
- Interleaved sandwich voice coil (LF)
- Titanium diaphragm (HF)
- Neodymium magnet assembly
- Copper short, cap for extended frequency response (HF)



| GENERAL                  | LF           | HF             |              |
|--------------------------|--------------|----------------|--------------|
| Nominal Diameter         | 12" - 320 mm | 1,4" - 35,6 mm |              |
| Nominal Impedance        | 8 Ohm        | 8 Ohm          |              |
| Nominal Rdc              | 5,6 Ohm      | 5,7 Ohm        | ±0,4 Ohm     |
| Power handling (AES) (*) | 350 Watt     | 110 Watt       |              |
| Max Power                | 700 Watt     | 220 Watt       |              |
| Voice Coil Diameter      | 75 mm        | 72 mm          | 3,00/2,83 in |
| S.P.L. (1w, 1m)          | 99 dB        | 109 dB         | ±1,5 dB      |
| Nominal Fs               | 60 Hz        | 450 Hz         | ±7/50 Hz     |
| Flux Density             | 1,25 T       | 2 T            | ±0,08 T      |
| Frequency Range          | 60-3000 Hz   | 1200-20000 Hz  |              |
| Sinusoidal Test Voltage  | 15 V         | 3 V            |              |

## (\*) Life Test

|                  |                      |
|------------------|----------------------|
| Box Volume       | 60 liters            |
| Input Signal     | Pink noise           |
| Band Pass Filter | 40-2000 Hz, 12dB/oct |
| V on Speaker     | 53 V                 |
| Test duration    | 2 hours              |

**MECHANICAL DATA**

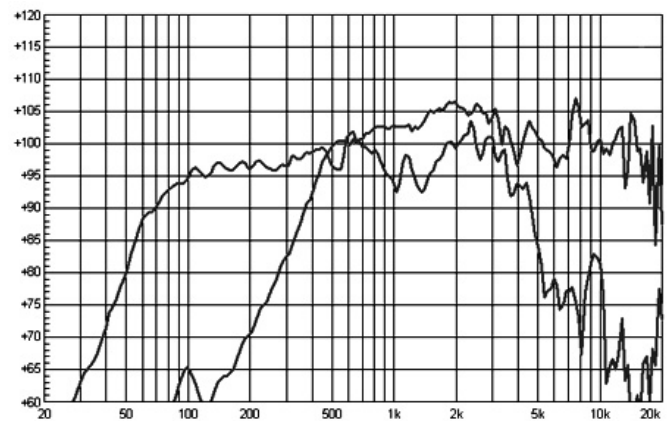
|                         |        |
|-------------------------|--------|
| Weight                  | 5,3 kg |
| Overall Diameter        | 315 mm |
| Overall Depth           | 178 mm |
| Baffle Cut Diameter     | 282 mm |
| Mounting holes number   | 8      |
| Mounting holes diameter | 7 mm   |
| Mounting bolt diameter  | 296 mm |

**MATERIALS**

|                     |   |
|---------------------|---|
| Frame Material      | Aluminium                               |
| Voice Coil Former   | Kapton (LF-HF)                          |
| Voice Coil Wire     | Aluminium (LF-HF)                       |
| Cone Material       | Doped Paper (LF), Titanium (HF)         |
| Cone Shape          | Exponential (LF), Dome (HF)             |
| Surround Material   | Doped Nomex® fabric (LF), Titanium (HF) |
| Surround Shape      | Three waves (LF), Flat (HF)             |
| Suspension Material | Doped Nomex® fabric (LF)                |
| Magnet Type         | Neodymium                               |
| Magnet Weight       | 950 g                                   |

**DIAGRAM**

|                    |                                   |
|--------------------|-----------------------------------|
| Frequency Response | Reflex Box (60 dmc) - 2,83 V - 1m |
| Impedance          | (Iac=10m A)                       |

**THIELE-SMALL PARAMETERS**

|                      |             |
|----------------------|-------------|
| Qms                  | 11,68       |
| Qes                  | 0,38        |
| Qts                  | 0,37        |
| Fs                   | 60,40 Hz    |
| Re                   | 5,64 Ohm    |
| Mms                  | 49,04 g     |
| Cms                  | 0,14 mm/N   |
| Bl                   | 16,69 T*m   |
| Sd                   | 551,00 cm²  |
| Vas                  | 60,31 liter |
| u0                   | 3,40 %      |
| XMax                 | 6 mm        |
| Le                   | 0,66 mH     |
| Rms                  | 1,59 Kg/s   |
| Efficiency Bandwidth | 160,29      |

Air gap height=mm 10  
Winding height=mm 17