



2513NdU

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|--------------------------------|---------------------|
| Nominal Diameter | 8" / 20cm |
| Rated Impedance | 16 Ω |
| Half space sensitivity (1W@1m) | 94.5 dB SPL |
| Power Handling Capacity | 250 W AES |
| SPL max (continuous) | 115 dB SPL |
| Usable frequency range | 80 - 4000 Hz |
| Speaker net mass | 2.4 kg |

8 inches low-mid driver



Architecture Highlights

- Neodymium magnet system with symmetric BL(x) and Le(x)
- Natural convection Intercooler System
- High compliance double half-roll Fabric Surround
- Double side Coated diaphragm (Tropical withstanding)

Motor architecture

| | | |
|---------------------|----|-----------|
| Magnet material | - | Nd |
| Voice coil diameter | mm | 51 |
| Voice coil length | mm | 13 |
| Air gap height | mm | 8 |

Typical characteristics

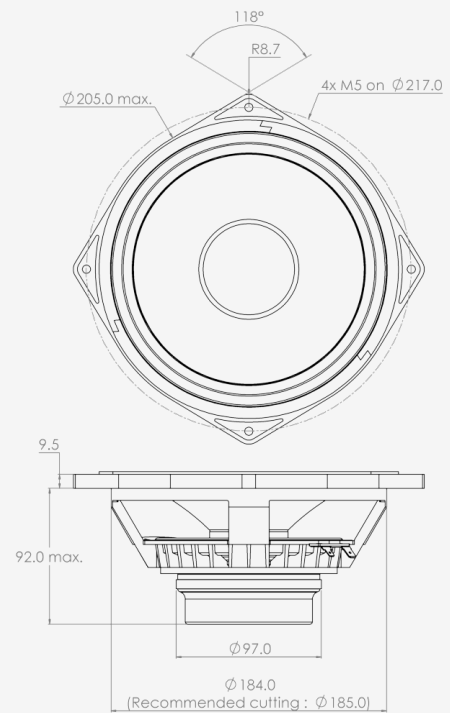
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|--------------------------------|--------|--------|------------------|
| Rated impedance | Z | Ω | 16 |
| Half space sensitivity (1W@1m) | - | dB SPL | 94.5 |
| Usable freq. range | - | HZ | 80 - 4000 |
| Power handling capacity (AES) | - | W | 250 |
| Max Sound Pressure Level | SPLmax | dB SPL | 115 |
| Min. impedance modulus | Zmin | Ω@Hz | 13.9@400 |
| Voice-coil inductance @ 1kHz | Le1k | mH | 2.626 |
| Voice-coil inductance @ 10kHz | Le10k | mH | 1.402 |
| BL product | BL | N/A | 24.0 |
| Moving mass | Mms | kg | 0.028 |

Thiele-Small parameters

| | | | |
|----------------------------|----------------------|----------------------------------|--------------------|
| Resonance frequency | Fs | Hz | 70 (±10) |
| DC Resistance | Re | Ω | 11.3 (±1.1) |
| Mechanical quality factor | Qms | 1 | 4.93 |
| Electrical quality factor | Qes | 1 | 0.24 |
| Total quality factor | Qts | 1 | 0.23 |
| Suspension compliance | Cms | 10 ⁻⁶ .m/N | 180 |
| Effective piston area | Sd | m ² | 0.0219 |
| Equivalent Cas air load | Vas | m ³ | 0.0124 |
| Max linear excursion | Xmax | mm | ± 4.0 |
| Linear displacement volume | Vd | 10 ⁻³ .m ³ | 0.0876 |
| Reference efficiency | H | % | 1.7 |
| Unity load volume | Vas.Qts ² | 10 ⁻³ .m ³ | 0.7 |

Absolute maximum ratings

| | | | |
|-------------------------------|------|----|-------------------|
| Short term max. input voltage | Vmax | V | 125 |
| Max.excursion before damage | Xdam | mm | ± 10 |
| Ambient operating temperature | Ta | °C | -10 to +50 |
| Storage temperature | | °C | -20 to +70 |
| Environmental withstanding | | | tropical |



Application information

| | | |
|--|----------------------------------|---------------------------|
| Air volume occupied by the driver | 10 ⁻³ .m ³ | 0.50 |
| Speaker net mass | kg | 2.4 |
| Baffle cut-out diameter (front mounting) | mm | 185.0 |
| Bolt number & Metric diameter | - | 4x M5 |
| Bolt circle diameter | mm | 217.0 |
| Max overall dimension (on ears) | mm | 234.0 |
| Max overall dimension (out of ears) | mm | 205.0 |
| Flange height | mm | 9.5 |
| Max magnet diameter | mm | 97.0 |
| Max depth (front mounting) | mm | 92.0 |
| Recommended reflex box | Lts / Hz | 10L / 80Hz |
| Electrical connection | - | 6.35x0.8 + 4.8x0.5 |

FASTON