



950

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|--------------------------------|----------------------|
| Nominal Diameter | 5" / 13cm |
| Rated Impedance | 8 Ω |
| Half space sensitivity (1W@1m) | 94 dB SPL |
| Power Handling Capacity | 80 W AES |
| SPL max (continuous) | 109 dB SPL |
| Usable frequency range | 300 - 4000 Hz |
| Speaker net mass | 2.02 kg |

5 inches midrange driver



Architecture Highlights

- Noiseless natural convection Intercooling System
- Ferrite magnet system with symmetric BL(x) and Le(x)
- High definition CCAR vented voice coil
- Critical damping flat foam surround
- Lightweight basket

Motor architecture

| | | |
|---------------------|----|------------|
| Magnet material | - | Fe |
| Voice coil diameter | mm | 38 |
| Voice coil length | mm | 7.5 |
| Air gap height | mm | 6 |

Typical characteristics

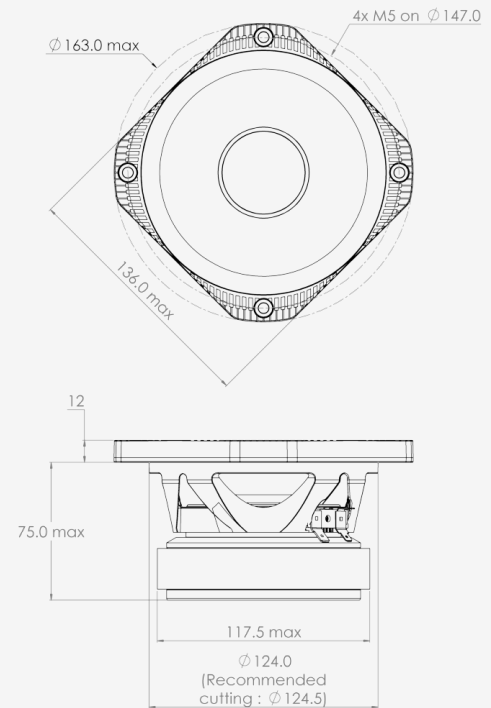
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|--------------------------------|--------|--------|-------------------|
| Rated impedance | Z | Ω | 8 |
| Half space sensitivity (1W@1m) | - | dB SPL | 94.0 |
| Usable freq. range | - | HZ | 300 - 4000 |
| Power handling capacity (AES) | - | W | 80 |
| Max Sound Pressure Level | SPLmax | dB SPL | 109 |
| Min. impedance modulus | Zmin | Ω@Hz | 6.1@800 |
| Voice-coil inductance @ 1kHz | Le1k | mH | 0.599 |
| Voice-coil inductance @ 10kHz | Le10k | mH | 0.235 |
| BL product | BL | N/A | 8.8 |
| Moving mass | Mms | kg | 0.0081 |

Thiele-Small parameters

| | | | |
|----------------------------|----------------------|----------------------------------|-------------------|
| Resonance frequency | Fs | Hz | 200 (±) |
| DC Resistance | Re | Ω | 5.3 (±0.5) |
| Mechanical quality factor | Qms | 1 | 5.99 |
| Electrical quality factor | Qes | 1 | 0.70 |
| Total quality factor | Qts | 1 | 0.62 |
| Suspension compliance | Cms | 10 ⁻⁶ .m/N | 80 |
| Effective piston area | Sd | m ² | 0.0109 |
| Equivalent Cas air load | Vas | m ³ | 0.0013 |
| Max linear excursion | Xmax | mm | ± 2.5 |
| Linear displacement volume | Vd | 10 ⁻³ .m ³ | 0.0273 |
| Reference efficiency | H | % | 1.45 |
| Unity load volume | Vas.Qts ² | 10 ⁻³ .m ³ | 0.5 |

Absolute maximum ratings

| | | | |
|-------------------------------|------|-----------------------|-------------------|
| Short term max. input voltage | Vmax | V | 50 |
| Max.excursion before damage | Xdam | mm | ± 3 |
| Ambient operating temperature | Ta | °C | -10 to +50 |
| Storage temperature | | °C | -20 to +70 |
| Environmental withstanding | | Humidity proof | |



Application information

| | | |
|------------------------------------------|----------------------------------|---------------------------|
| Air volume occupied by the driver | 10 ⁻³ .m ³ | 0.38 |
| Speaker net mass | kg | 2.02 |
| Baffle cut-out diameter (front mounting) | mm | 124.5 |
| Bolt number & Metric diameter | - | 4x M5 |
| Bolt circle diameter | mm | 147.0 |
| Max overall dimension (on ears) | mm | 163.0 |
| Max overall dimension (out of ears) | mm | 136.0 |
| Flange height | mm | 12.5 |
| Max magnet diameter | mm | 117.5 |
| Max depth (front mounting) | mm | 75.0 |
| Recommended reflex box | Lts / Hz | 1.5L sealed |
| Electrical connection | - | 6.35x0.8 + 4.8x0.5 |

FASTON