



3860NdM

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|--------------------------------|----------------------|
| Nominal Diameter | 10" / 25cm |
| Rated Impedance | 8 Ω |
| Half space sensitivity (1W@1m) | 99 dB SPL |
| Power Handling Capacity | 250 W AES |
| SPL max (continuous) | 120 dB SPL |
| Usable frequency range | 120 - 3000 Hz |
| Speaker net mass | 4.1 kg |

10 inches midrange driver



Architecture Highlights

- Very high sensitivity & SPLmax 10" Midrange driver with low THD level
- Midrange unit with critical damping diaphragm
- High definition CCAR vented voice-coil
- Neodymium magnet system with symmetric BL(x) and Le(x)
- Natural convection Intercooler System
- Low profile with flat motor

Motor architecture

| | | |
|---------------------|----|-----------|
| Magnet material | - | Nd |
| Voice coil diameter | mm | 77 |
| Voice coil length | mm | 12 |
| Air gap height | mm | 10 |

Typical characteristics

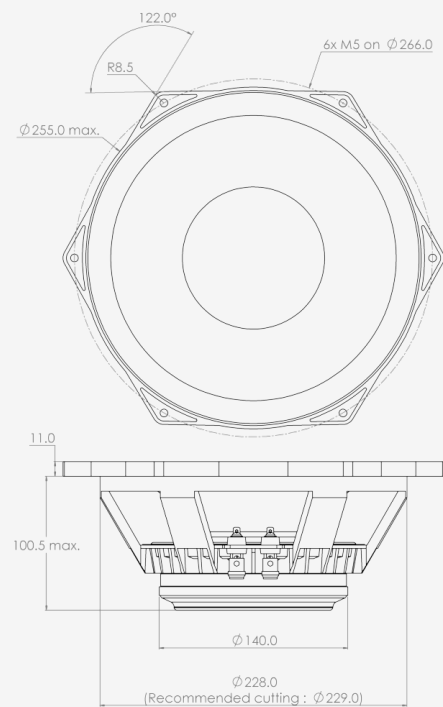
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|--------------------------------|--------|--------|-------------------|
| Rated impedance | Z | Ω | 8 |
| Half space sensitivity (1W@1m) | - | dB SPL | 99.0 |
| Usable freq. range | - | HZ | 120 - 3000 |
| Power handling capacity (AES) | - | W | 250 |
| Max Sound Pressure Level | SPLmax | dB SPL | 120 |
| Min. impedance modulus | Zmin | Ω@Hz | 6.7@550 |
| Voice-coil inductance @ 1kHz | Le1k | mH | 1.154 |
| Voice-coil inductance @ 10kHz | Le10k | mH | 0.550 |
| BL product | BL | N/A | 21.7 |
| Moving mass | Mms | kg | 0.038 |

Thiele-Small parameters

| | | | |
|----------------------------|----------------------|----------------------------------|-------------------|
| Resonance frequency | Fs | Hz | 90 (±18) |
| DC Resistance | Re | Ω | 5.5 (±0.6) |
| Mechanical quality factor | Qms | 1 | 2.98 |
| Electrical quality factor | Qes | 1 | 0.25 |
| Total quality factor | Qts | 1 | 0.23 |
| Suspension compliance | Cms | 10 ⁻⁶ .m/N | 80 |
| Effective piston area | Sd | m ² | 0.0377 |
| Equivalent Cas air load | Vas | m ³ | 0.0163 |
| Max linear excursion | Xmax | mm | ± 2.0 |
| Linear displacement volume | Vd | 10 ⁻³ .m ³ | 0.0753 |
| Reference efficiency | H | % | 4.6 |
| Unity load volume | Vas.Qts ² | 10 ⁻³ .m ³ | 0.9 |

Absolute maximum ratings

| | | | |
|-------------------------------|------|-----------------------|-------------------|
| Short term max. input voltage | Vmax | V | 90 |
| Max.excursion before damage | Xdam | mm | ± 4 |
| 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 | 1.3 |
| Speaker net mass | kg | 4.1 |
| Baffle cut-out diameter (front mounting) | mm | 229.0 |
| Bolt number & Metric diameter | - | 6x M5 |
| Bolt circle diameter | mm | 266.0 |
| Max overall dimension (on ears) | mm | 283.5 |
| Max overall dimension (out of ears) | mm | 255.0 |
| Flange height | mm | 11.0 |
| Max magnet diameter | mm | 140.0 |
| Max depth (front mounting) | mm | 100.5 |
| Recommended reflex box | Lts / Hz | 4 - 6L sealed |
| Electrical connection | - | Ø4 mm Push buttons |