



## 3860NdM

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	-	<b>Nd</b>
Voice coil diameter	mm	<b>77</b>
Voice coil length	mm	<b>12</b>
Air gap height	mm	<b>10</b>

### Typical characteristics

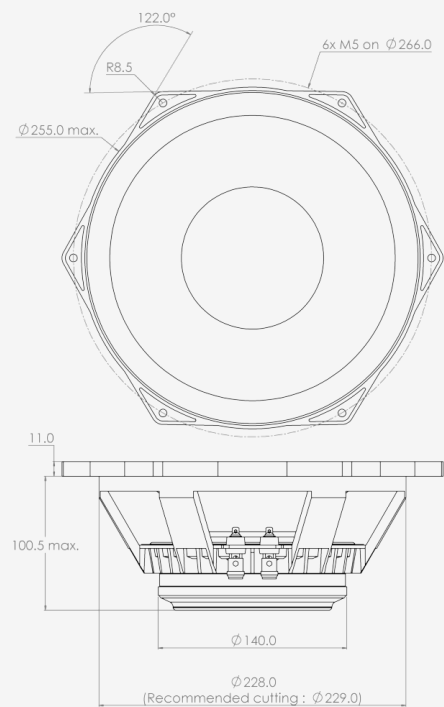
Rated impedance	Z	Ω	<b>8</b>
Half space sensitivity (1W@1m)	-	dB SPL	<b>99.0</b>
Usable freq. range	-	HZ	<b>120 - 3000</b>
Power handling capacity (AES)	-	W	<b>250</b>
Max Sound Pressure Level	SPLmax	dB SPL	<b>120</b>
Min. impedance modulus	Zmin	Ω@Hz	<b>6.7@550</b>
Voice-coil inductance @ 1kHz	Le1k	mH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

### Thiele-Small parameters

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

### Absolute maximum ratings

Short term max. input voltage	Vmax	V	<b>90</b>
Max.excursion before damage	Xdam	mm	<b>± 4</b>
Ambient operating temperature	Ta	°C	<b>-10 to +50</b>
Storage temperature		°C	<b>-20 to +70</b>
Environmental withstanding		<b>Humidity proof</b>	



### Application information

Air volume occupied by the driver	10 <sup>-3</sup> .m <sup>3</sup>	<b>1.3</b>
Speaker net mass	kg	<b>4.1</b>
Baffle cut-out diameter (front mounting)	mm	<b>229.0</b>
Bolt number & Metric diameter	-	<b>6x M5</b>
Bolt circle diameter	mm	<b>266.0</b>
Max overall dimension (on ears)	mm	<b>283.5</b>
Max overall dimension (out of ears)	mm	<b>255.0</b>
Flange height	mm	<b>11.0</b>
Max magnet diameter	mm	<b>140.0</b>
Max depth (front mounting)	mm	<b>100.5</b>
Recommended reflex box	Lts / Hz	<b>4 - 6L sealed</b>
Electrical connection	-	<b>Ø4 mm Push buttons</b>