



## ALT12419AWF08NA

### Specifications:

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Nominal Diameter                    | <b>12"</b>                          |
| Nominal Impedance                   | <b>8 Ω</b>                          |
| Minimum Impedance                   | <b>6,3 Ω</b>                        |
| Power Handling Nominal <sup>1</sup> | <b>400 W</b>                        |
| Continuous Program <sup>2</sup>     | <b>800 W</b>                        |
| Sensitivity (1W/1m) <sup>3</sup>    | <b>100,0 dB</b>                     |
| Frequency Range                     | <b>Fs to 3000 Hz</b>                |
| Voice Coil Diameter                 | <b>76 mm</b>                        |
| Winding material                    | <b>CCAW</b>                         |
| Former Material                     | <b>Fiber Glass</b>                  |
| Winding depth                       | <b>16,0 mm</b>                      |
| Magnetic Gap Depth                  | <b>10,0 mm</b>                      |
| Flux Density                        | <b>1,22 T</b>                       |
| Surround Material                   | <b>Polycotton</b>                   |
| Surround Shape                      | <b>Double Roll</b>                  |
| Spider Material                     | <b>Conex</b>                        |
| Magnet Material                     | <b>Neodymium</b>                    |
| Cone Material                       | <b>Treated Paper</b>                |
| Water Proof Front Side (WP)         | <input type="checkbox"/>            |
| Water Proof Both Sides (TWP)        | <input type="checkbox"/>            |
| Epoxy Treatment                     | <input type="checkbox"/>            |
| Demodulation Ring                   | <input type="checkbox"/>            |
| Shorting Copper Ring                | <input type="checkbox"/>            |
| Double Spider                       | <input type="checkbox"/>            |
| Vented Gap                          | <input checked="" type="checkbox"/> |

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### Thiele & Small Parameters<sup>4</sup>

|                |                            |
|----------------|----------------------------|
| Fs             | <b>60 Hz</b>               |
| Re             | <b>5,4 Ω</b>               |
| Qes            | <b>0,266</b>               |
| Qms            | <b>13,358</b>              |
| Qts            | <b>0,261</b>               |
| Vas            | <b>54,8 dm<sup>3</sup></b> |
| Sd             | <b>522 cm<sup>2</sup></b>  |
| η <sub>0</sub> | <b>4,20 %</b>              |
| Xmax           | <b>5,5 mm</b>              |
| Xvar           | <b>7,0 mm</b>              |
| Mms            | <b>49,7 g</b>              |
| Bl             | <b>19,35 Txm</b>           |
| Le             | <b>0,52 mH</b>             |
| Cms            | <b>143 μm/N</b>            |

### Mounting Information

|                           |                            |
|---------------------------|----------------------------|
| Overall Diameter          | <b>315,0 mm (12,40 in)</b> |
| Bolt Circle Diameter      | <b>298 mm (11,73 in)</b>   |
| Baffle Cutout Diameter    | <b>284 mm (11,18 in)</b>   |
| Depth                     | <b>141 mm (5,55 in)</b>    |
| Flange / Gasket Thickness | <b>12 mm (0,47 in)</b>     |
| Net Weight                | <b>3,9 Kg (8,7 lb)</b>     |

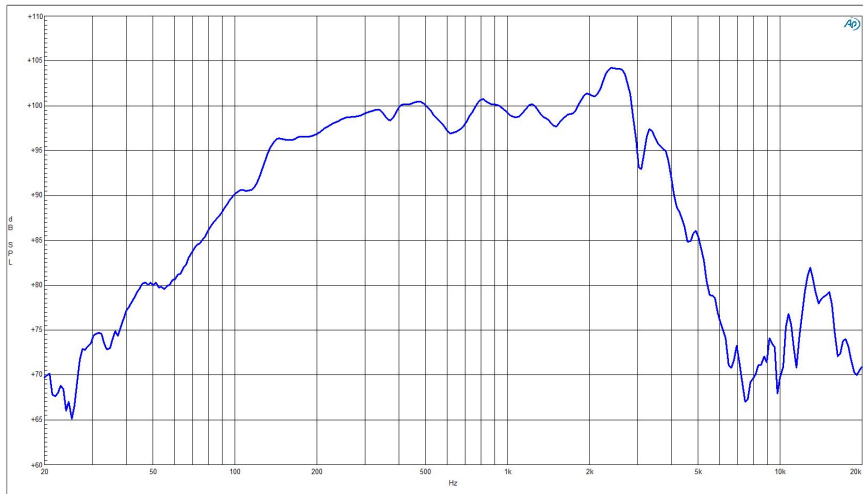
(1) AES Standard

(2) Power of Continuous Program is defined as 3dB greater than the Nominal rating

(3) Applied RMS voltage is set to 2.83V for 8 ohms nominal impedance.

(4) Thiele-Small parameter are measured after a high level 20Hz sine wave preconditioning test.

### Frequency response



### Impedance

