

Model No.: DA32TX00-08

Rev: 1

Product Line: Tymphany

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## Product Description

This DA family tweeter features an 8 ohm 1.25 inch voice coil, with Corundum dome, large rear chamber for low resonant frequency, and a ferrite motor with heat sink. The large motor and rear chamber allow for robust power handling capacity. The protective grille can be removed for the highest possible performance, however the dome is very delicate so we recommend the grille is fitted in normal operation.



## Specifications

|                               |             |        |         |           |                            |         |                               |       |
|-------------------------------|-------------|--------|---------|-----------|----------------------------|---------|-------------------------------|-------|
| DC Resistance                 | Revc        | Ohms   | 6.78    | 5.0%      | Energy Bandwidth Product   | EBP     | $(1/Q_{es}) \cdot f_s$        |       |
| Minimum Impedance             | Zmin        | Ohms   | 8       | 7.5%      | Moving Mass                | Mms     | g                             | 0.5   |
| Voice Coil Inductance         | Le          | mH     | 0.02    |           | Suspension Compliance      | Cms     | um/N                          | 142   |
| Resonant Frequency            | Fs          | Hz     | 573.04  | 15%       | Effective Cone diameter    | D       | cm                            | 3.9   |
| Mechanical Q Factor           | Qms         |        | 2.43    |           | Effective Piston Area      | Sd      | cm <sup>2</sup>               | 12    |
| Electrical Q Factor           | Qes         |        | 0.72    |           | Effective Volume           | Vas     | L                             | 0.03  |
| Total Q Factor                | Qts         |        | 0.56    |           | Motor Force Factor         | BL      | Tm                            | 4.29  |
| Ratio Fs/Qts                  | F           | Fs/Qts | 1023.29 |           | Motor Efficiency Factor    | $\beta$ | $(T \cdot M^2) / \text{Ohms}$ | 2.7   |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB     | 89.78   | +/- 1.0db | Voice coil former Material | VCfm    |                               | AL    |
| Half Space Sensitivity @1W/1M | db@1W/1M    | dB     | 89.8    | +/- 1.0db | Voice coil inner diameter  | VCd     | mm                            | 32.45 |
| Gap Height                    | Gh          | mm     | 4.5     |           | Rated Noise Power          | P       | W                             | 120   |
| Maximum Linear Excursion      | Xmax        | mm     | 1       |           | Test Spectrum Bandwidth    |         | 2K-20KHz                      |       |
| Ferrofluid Type               | FF          |        | N/A     |           | Driver Size                | Inch    | 32 mm                         |       |
| Driver Mass                   | Kg          |        | 1.6     |           |                            |         |                               |       |

## Frequency and Impedance Response

