

Model No.: DFL-2525R00-08

Rev: 1

Product Line: Tymphany

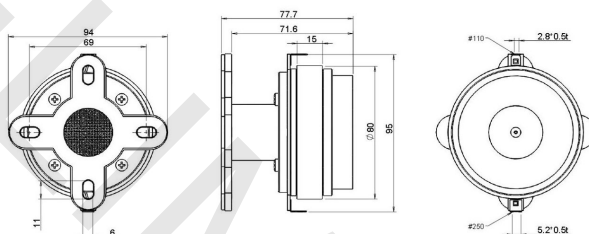
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Product Description

This 1inch diaphragm inch exit compression driver is a cost effective solution for use in professional sound reinforcement systems. The pure titanium diaphragm ensures solid and controlled vibration to the highest frequencies. The phase plug was studied extensively to optimize the HF level, and ensures a wide smooth response characteristic. The use of high quality ferrofluid combined with extensive verification testing has resulted in a transducer which is extremely reliable.



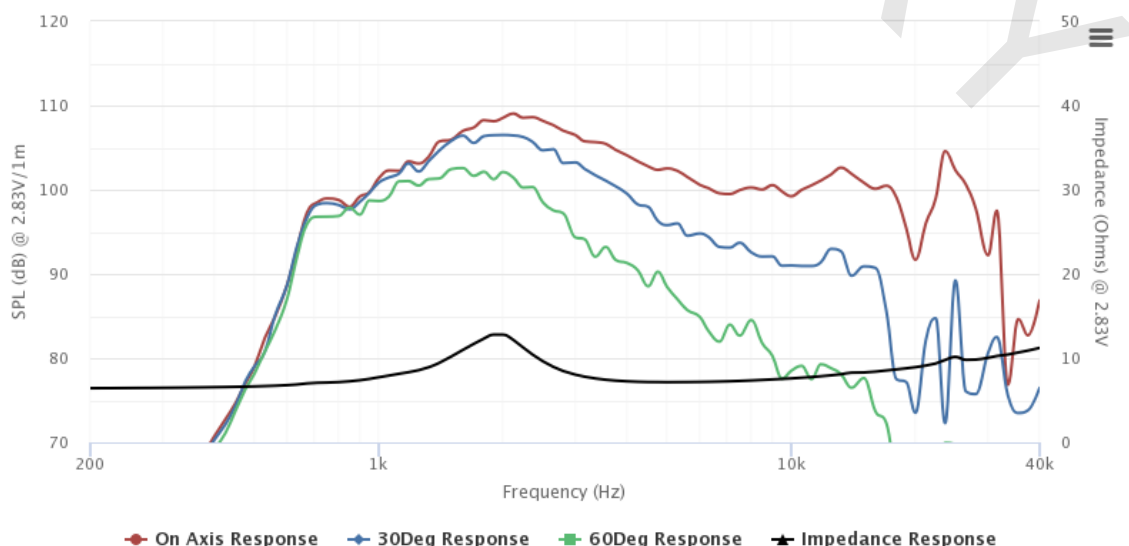
Mechanical Drawing



Specifications

| | | | | | | | |
|-------------------------------|-------------|--------|---------|-----------|----------------------------|------|--------------|
| DC Resistance | Revc | Ohms | 6.28 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs |
| Minimum Impedance | Zmin | Ohms | 7.15 | 7.5% | Moving Mass | Mms | g |
| Voice Coil Inductance | Le | mH | 0.12 | | Suspension Compliance | Cms | um/N |
| Resonant Frequency | Fs | Hz | 1597.12 | 15% | Effective Cone diameter | D | cm |
| Mechanical Q Factor | Qms | | 10.31 | | Effective Piston Area | Sd | cm^2 |
| Electrical Q Factor | Qes | | 5.41 | | Effective Volume | Vas | L |
| Total Q Factor | Qts | | 3.55 | | Motor Force Factor | BL | Tm |
| Ratio Fs/Qts | F | Fs/Qts | 450.02 | | Motor Efficiency Factor | β | (T*M^2)/Ohms |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 102.28 | +/- 1.0db | Voice coil former Material | VCfm | Kapton |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 101.8 | +/- 1.0db | Voice coil inner diameter | VCd | mm |
| Gap Height | Gh | mm | 4 | | Rated Noise Power | P | W |
| Maximum Linear Excursion | Xmax | mm | 1.4 | | Test Spectrum Bandwidth | | 3k Hz~20k Hz |
| Ferrofluid Type | FF | | APGL11 | | Driver Size | Inch | 1 in |
| Driver Mass | Kg | | 0.96 | | | | |

Frequency and Impedance Response



Highcharts.com