

Model No.: DFM-2544R00-08
 Product Line: Tymphany

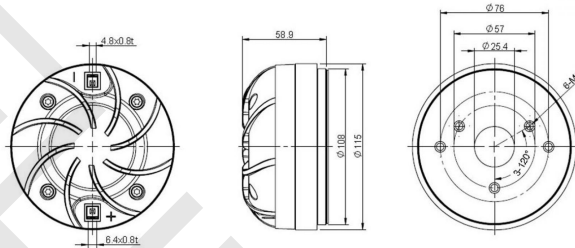
Rev: 1
 Last Update: 2017-04-25 21:32:09

Product Description

This 1.75 inch diaphragm 1inch exit compression driver is for use in high quality professional sound reinforcement systems. The magnet system was designed for high sensitivity while keeping the weight and cost to a minimum. The 3-slot phasing plug and aluminum wire voice coil give improved HF energy. The titanium diaphragm is coated with a light, thin layer of unique damping material which results in a smoother sound, especially when driven hard. All of the materials resist environmental factor of heat, vibration and aging ensuring many years of stable performance.



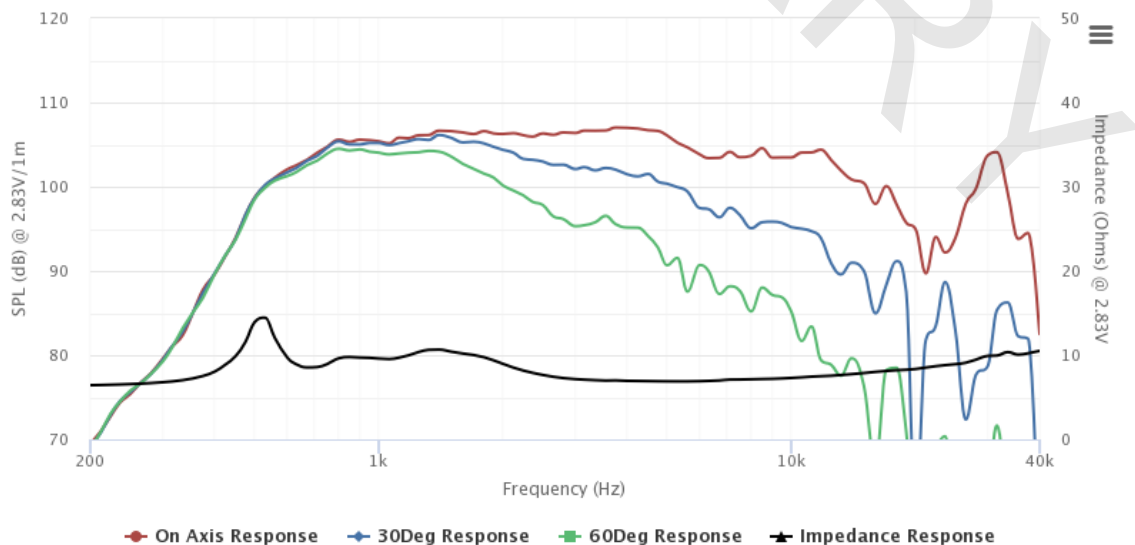
Mechanical Drawing



Specifications

| | | | | | | | |
|-------------------------------|-------------|--------|--------|-----------|----------------------------|------|----------------|
| DC Resistance | Revc | Ohms | 6.09 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs |
| Minimum Impedance | Zmin | Ohms | 6.89 | 7.5% | Moving Mass | Mms | g |
| Voice Coil Inductance | Le | mH | 0.04 | | Suspension Compliance | Cms | um/N |
| Resonant Frequency | Fs | Hz | 784.22 | 15% | Effective Cone diameter | D | cm |
| Mechanical Q Factor | Qms | | 2.02 | | Effective Piston Area | Sd | cm^2 |
| Electrical Q Factor | Qes | | 2.03 | | Effective Volume | Vas | L |
| Total Q Factor | Qts | | 1.01 | | Motor Force Factor | BL | Tm |
| Ratio Fs/Qts | F | Fs/Qts | 774.15 | | Motor Efficiency Factor | β | (T*M^2)/Ohms |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 105.29 | +/- 1.0db | Voice coil former Material | VCfm | TIL |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 104.6 | +/- 1.0db | Voice coil inner diameter | VCd | mm |
| Gap Height | Gh | mm | 3.5 | | Rated Noise Power | P | W |
| Maximum Linear Excursion | Xmax | mm | 0.3 | | Test Spectrum Bandwidth | | 1.5k Hz-15k Hz |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 1 in |
| Driver Mass | Kg | | 1.8 | | | | |

Frequency and Impedance Response



Highcharts.com