

Model No.: XXLS-300F50AL01-04

Rev: 1

Product Line: Tymphany

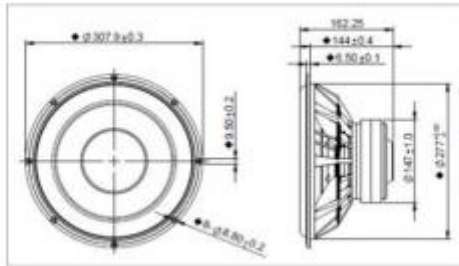
Last Update: 2017-01-04 23:20:43

Product Description

XXLS 12inch subwoofer, ferrite magnet, cast aluminium basket, Aluminum cone, 4ohm



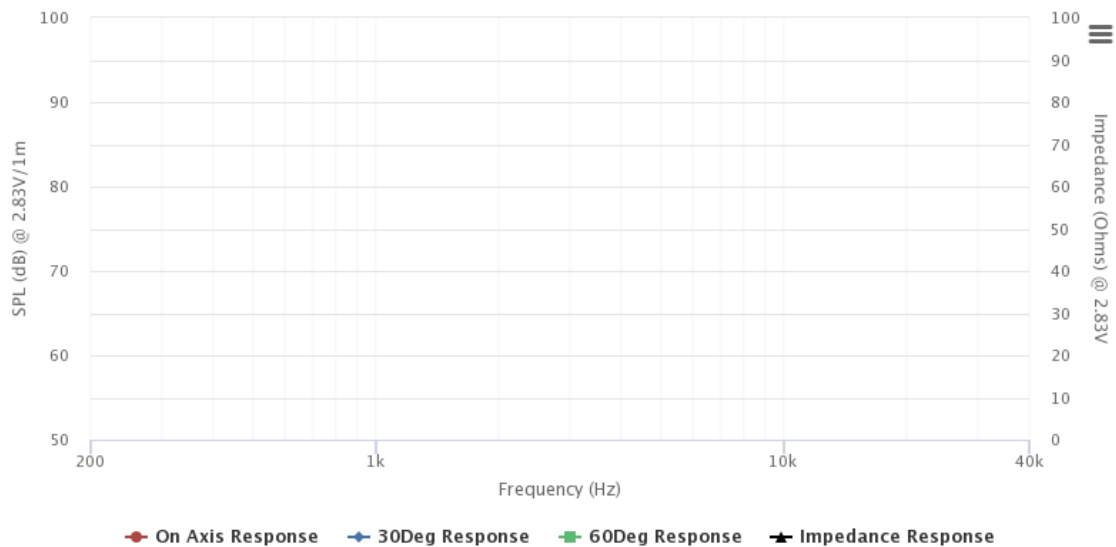
Mechanical Drawing



Specifications

| | | | | | | | |
|-------------------------------|-------------|--------|-------|-----------|----------------------------|------|--------------|
| DC Resistance | Revc | Ohms | 2.63 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs |
| Minimum Impedance | Zmin | Ohms | 3.03 | 7.5% | Moving Mass | Mms | g |
| Voice Coil Inductance | Le | mH | 0.72 | | Suspension Compliance | Cms | um/N |
| Resonant Frequency | Fs | Hz | 22.4 | 15% | Effective Cone diameter | D | cm |
| Mechanical Q Factor | Qms | | 9.79 | | Effective Piston Area | Sd | cm^2 |
| Electrical Q Factor | Qes | | 0.42 | | Effective Volume | Vas | L |
| Total Q Factor | Qts | | 0.41 | | Motor Force Factor | BL | Tm |
| Ratio Fs/Qts | F | Fs/Qts | 55.31 | | Motor Efficiency Factor | β | (T*M^2)/Ohms |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 89.24 | +/- 1.0db | Voice coil former Material | VCfm | GSV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 85 | +/- 1.0db | Voice coil inner diameter | VCd | mm |
| Gap Height | Gh | mm | 8 | | Rated Noise Power | P | W |
| Maximum Linear Excursion | Xmax | mm | 12.3 | | Test Spectrum Bandwidth | | 20HZ-4KHZ |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 12 in |
| Driver Mass | Kg | | 6.38 | | | | |

Frequency and Impedance Response



Highcharts.com