

Model No.: STW-350F188PR01-04  
Product Line: Tymphany

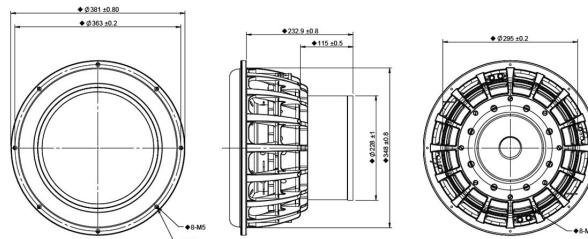
Rev: 1  
Last Update: 2017-12-07 05:59:00

## Product Description

STW subwoofer, 15inch, 188mm voice coil, paper cone, ferrite motor, cast aluminium basket, 4ohm



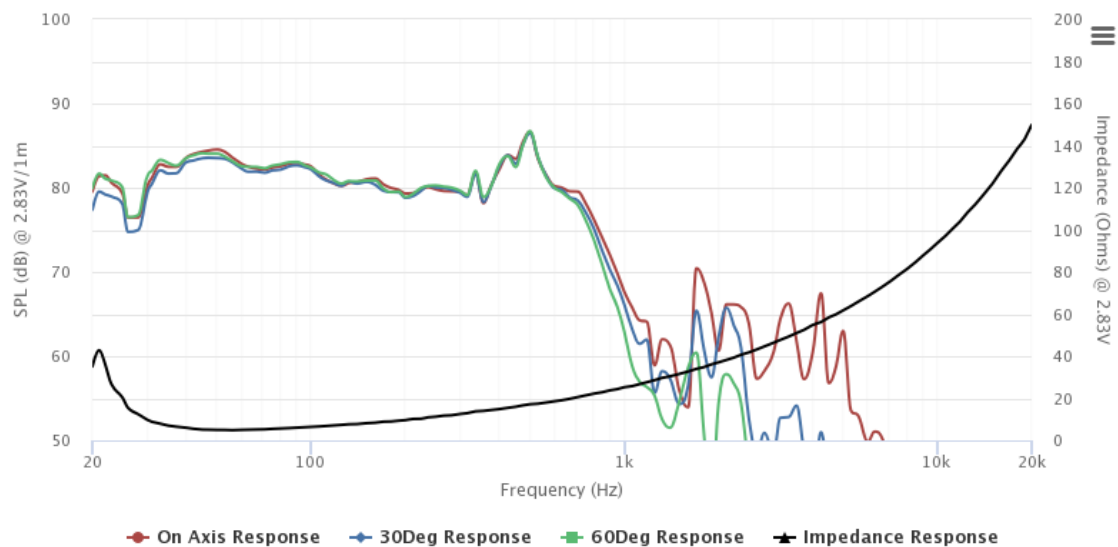
## Mechanical Drawing



## Specifications

|                               |             |        |       |           |                            |           |              |
|-------------------------------|-------------|--------|-------|-----------|----------------------------|-----------|--------------|
| DC Resistance                 | Revc        | Ohms   | 3.2   | 5.0%      | Energy Bandwidth Product   | EBP       | (1/Qes)*fs   |
| Minimum Impedance             | Zmin        | Ohms   | 4.86  | 7.5%      | Moving Mass                | Mms       | g            |
| Voice Coil Inductance         | Le          | mH     | 3.31  |           | Suspension Compliance      | Cms       | um/N         |
| Resonant Frequency            | Fs          | Hz     | 25.3  | 15%       | Effective Cone diameter    | D         | cm           |
| Mechanical Q Factor           | Qms         |        | 11.39 |           | Effective Piston Area      | Sd        | cm^2         |
| Electrical Q Factor           | Qes         | 0.5    |       |           | Effective Volume           | Vas       | L            |
| Total Q Factor                | Qts         |        | 0.48  |           | Motor Force Factor         | BL        | Tm           |
| Ratio Fs/Qts                  | F           | Fs/Qts | 52.6  |           | Motor Efficiency Factor    | β         | (T*M^2)/Ohms |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB     | 83.54 | +/- 1.0db | Voice coil former Material | VCfm      | Til 0.2mm    |
| Half Space Sensitivity @1W/1M | db@1W/1M    | dB     | 81.4  | +/- 1.0db | Voice coil inner diameter  | VCd       | mm           |
| Gap Height                    | Gh          | mm     | 36    |           | Rated Noise Power          | P         | W            |
| Maximum Linear Excursion      | Xmax        | mm     | 10.4  |           | Test Spectrum Bandwidth    | 20-250 Hz |              |
| Ferrofluid Type               | FF          |        |       |           | Driver Size                | Inch      | 15 in        |
| Driver Mass                   | Kg          | 26.6   |       |           |                            |           |              |

## Frequency and Impedance Response



Highcharts.com