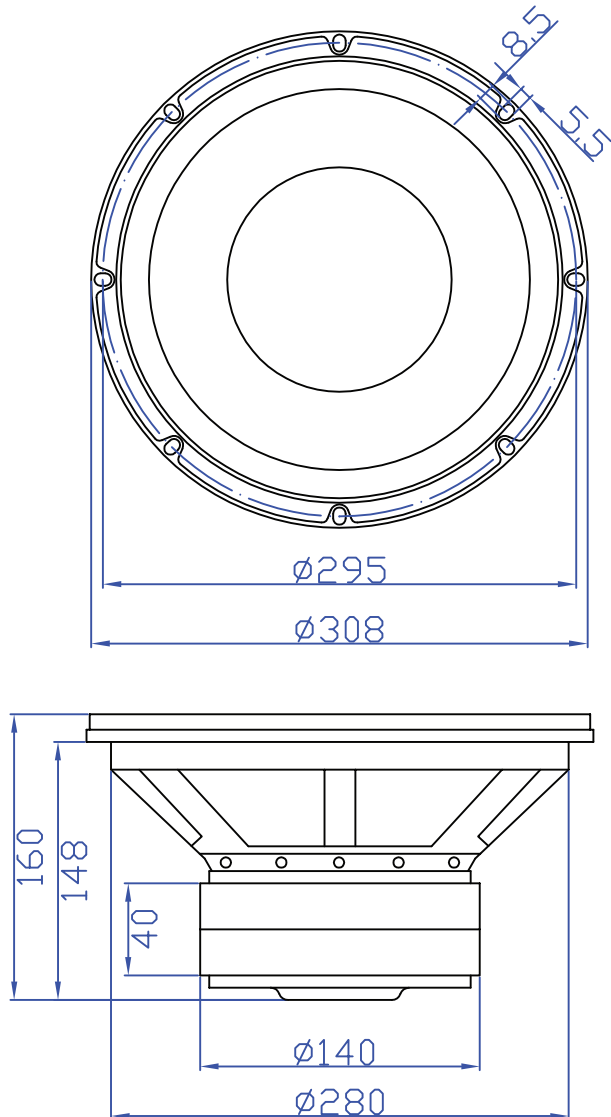




# 12SW-4HE

## 12" High Excursion Subwoofer

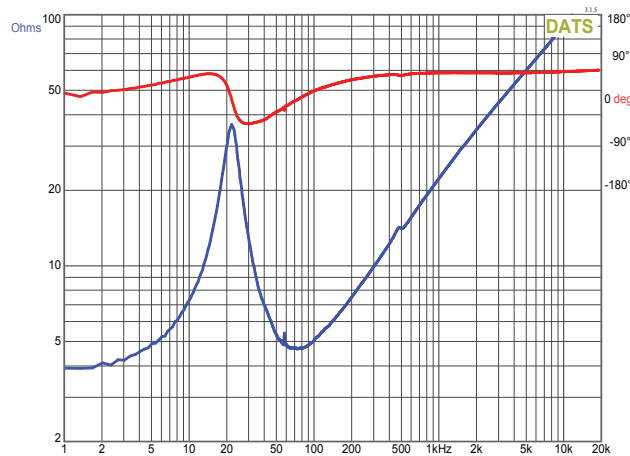
### MECHANICAL DRAWING



### FEATURES

- High excursion and low Fs to produce powerful low frequency output
- 4-layer 2" voice coil on a thick aluminum former to handle up to 250 watts RMS
- Venting under the spider, through the pole piece, and in the magnetic gap for excellent heat dissipation
- Durable reinforced paper cone with rubber surround produces reliable and consistent performance
- Extended frame and bumped back plate allow ample clearance for high excursion

### IMPEDANCE/PHASE

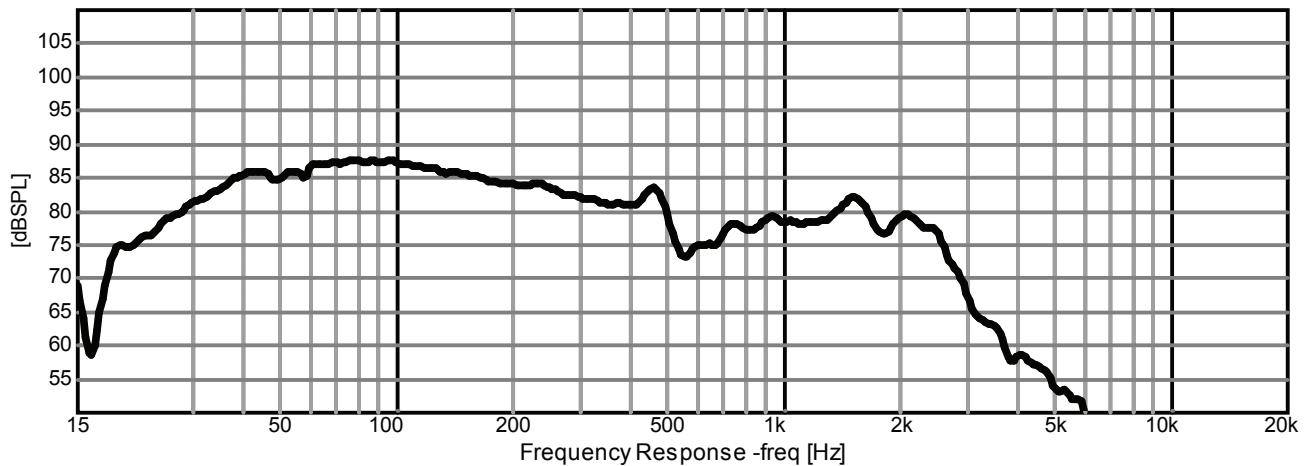


### PARAMETERS

|                               |                     |
|-------------------------------|---------------------|
| Impedance                     | 4 ohms              |
| Re                            | 3.9 ohms            |
| Le                            | 3.5 mH              |
| Fs                            | 22 Hz               |
| Qms                           | 4.08                |
| Qes                           | 0.48                |
| Qts                           | 0.43                |
| Mms                           | 237 g               |
| Cms                           | 0.22 mm/N           |
| Sd                            | 504 cm <sup>2</sup> |
| Vd                            | 630 cm <sup>3</sup> |
| BL                            | 16.2 Tm             |
| Vas                           | 80.4 liters         |
| Xmax                          | 12.5 mm*            |
| VC Diameter                   | 50.8 mm             |
| SPL                           | 84.5 @ 2.83V/1m     |
| RMS Power Handling (AES 426B) | 250 watts           |
| Usable Frequency Range (Hz)   | 20 - 500 Hz         |

$$* X_{max} = \left[ \frac{\text{Voice Coil Length} - \text{Top Plate Height}}{2} \right] + 1/3 \text{ Top Plate Height}$$

### FREQUENCY RESPONSE



OmniMic

Note: 1/24<sup>th</sup> octave smoothing - nearfield response included in graph below 450 Hz.