



## NSD:2005 HF Drivers

### Specification

Throat Size 1", 25.4mm  
 Nominal Impedance 8 or 16 ohms  
 Power Rating\*\* 50W (AES)  
 Free Air Resonance 578Hz  
 Usable Frequency Range 1.5kHz-20kHz  
 Recommended Crossover 12dB/oct @1.5kHz  
 Sensitivity\*\*\* 109dB (1W/1m across 1.5kHz-20kHz on axis on H290 horn)  
 Magnet Weight 4.16 oz.  
 Voice Coil Diameter 2", 50.8mm  
 Re 6.8 ohms  
 Minimum Impedance 8.7 ohms @3.3kHz

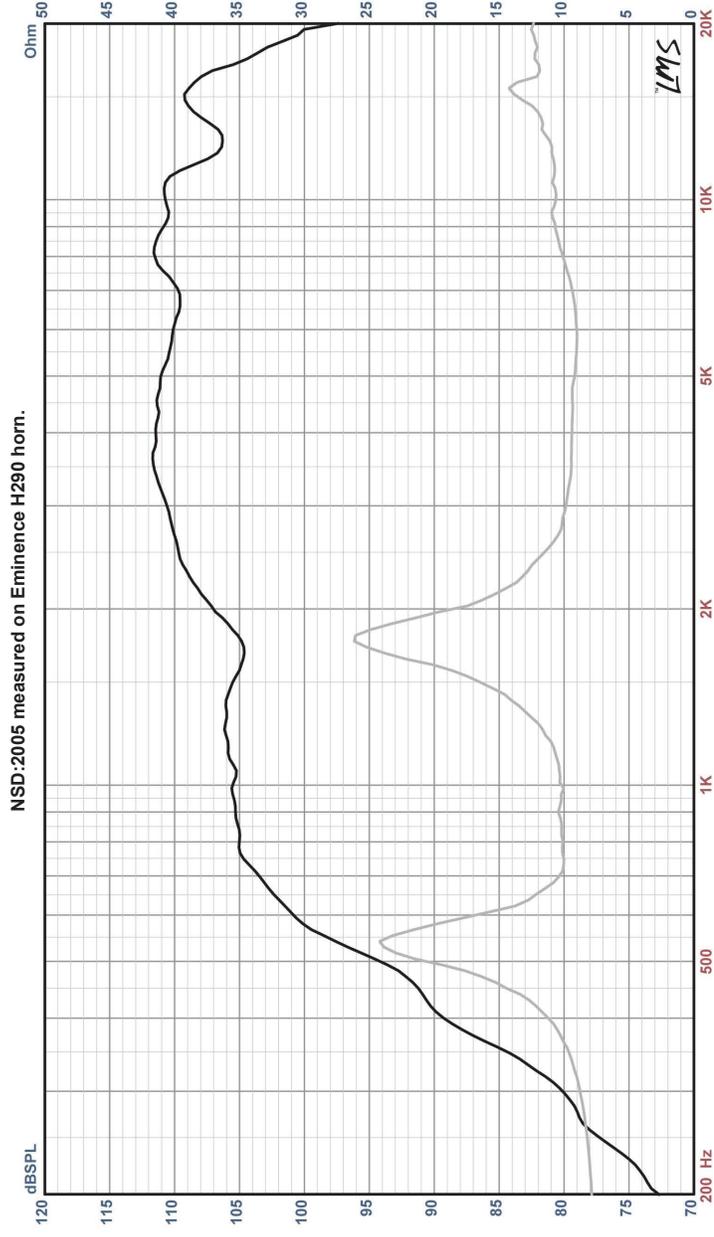
### Mounting Information

Available in both screw-on and bolt-on formats

Overall Diameter 3.87", 98.3mm  
 Mounting Holes Diameter (bolt on) 2X 1/4-20  
 Mounting Holes B.C.D. (bolt on) 3", 76.2mm  
 Mounting Thread (screw on) 1 3/8" 18 UNEF ext.  
 Depth 1.75", 44.5mm  
 Weight 2 lbs. 0.9kg  
 Volume 13.63 cu.in.

### Materials of Construction

Voice Coil Former Polyimide  
 Diaphragm Material Titanium  
 Magnet Composition Neodymium



\*\* Multiple units exceeded published power rating evaluated under AES noise sources and test standards while mounted on Eminence's H290 or H290S horn in a non-temperature controlled environment.

\*\*\* The average on axis output across the entire usable frequency range when mounted to the H290 or H290S horn and applying 1W/1m into the nominal impedance, i.e. 2.83V/8Ω, 4V/16Ω. Eminence response curves are measured under the following conditions: All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" s applied microphone (software calibrated) mounted 1m from wall baffle | 2ft x 2ft baffle is built into the wall with horn front mounted | Carver PM-120 amplifier | 2700Hz chamber with fiberglass on all six surfaces (three with custom-made wedges)