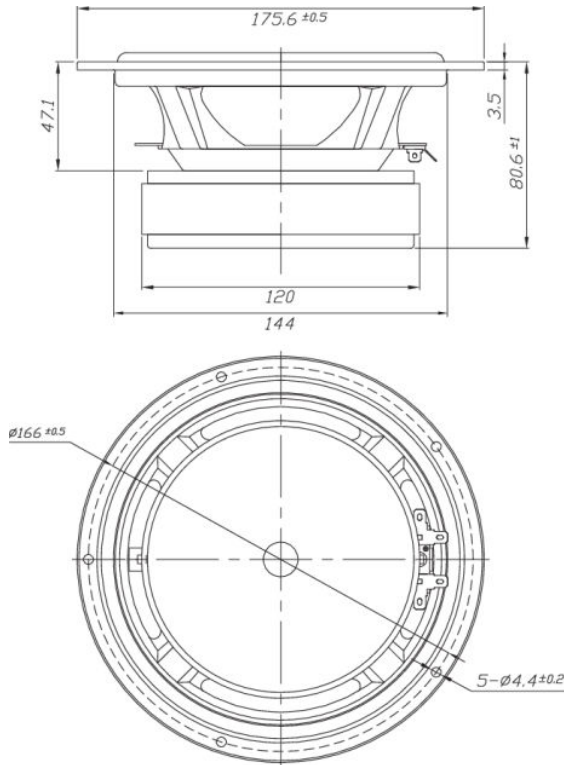




## DS175-8 6-1/2" Designer Series Woofer Speaker 8 Ohm

DS175-8



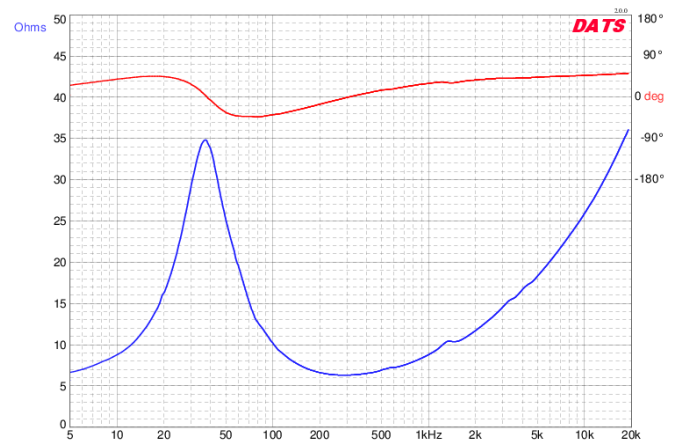
### PARAMETERS

|                             |                       |
|-----------------------------|-----------------------|
| Impedance                   | 8 ohms                |
| Re                          | 5.7 ohms              |
| Le                          | 1.06 mH @ 1 kHz       |
| Fs                          | 37 Hz                 |
| Qms                         | 1.63                  |
| Qes                         | 0.32                  |
| Qts                         | 0.27                  |
| Mms                         | 26g                   |
| Cms                         | 0.71 mm/N             |
| Sd                          | 128.7 cm <sup>2</sup> |
| Vd                          | 67.6 cm <sup>3</sup>  |
| BL                          | 10.4 Tm               |
| Vas                         | 17 liters             |
| Xmax                        | 5.25 mm               |
| VC Diameter                 | 35.5 mm               |
| SPL                         | 87.7 dB @ 2.83V/1m    |
| RMS Power Handling          | 70 watts              |
| Usable Frequency Range (Hz) | 40 - 4,500 Hz         |

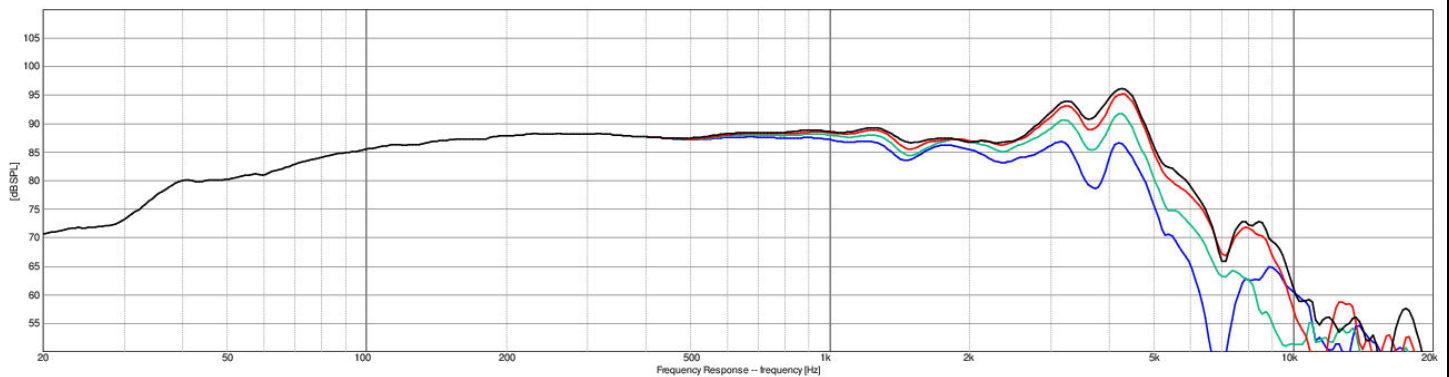
### FEATURES

- Generous Xmax capability encourages use of moderate bass boost to tailor the response
- Retains the same "family look" as the popular Dayton Audio DVC Series subwoofers and passive radiators
- Vented pole piece for minimized power compression and maximized reliability
- Smooth frequency response and linear roll-off simplify filter design, guaranteeing good results with off-the-shelf crossovers
- Optimized to yield a low 3 dB down point and high potential output in a reasonably sized cabinet

### IMPEDANCE/PHASE



### FREQUENCY RESPONSE



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

Black = 0°  
Red = 15°  
Green = 30°  
Blue = 45°