

# EPIQUE

by Dayton Audio

## E160CF-8

Dayton Audio raised the bar with the Epoque E160CF-8 5-1/4" woofer. Constructed of high-end materials like a damped carbon fiber cone, titanium former, and huge neodymium magnet this driver produces natural sound with remarkably low distortion. In addition, the low moving mass, underhung voice coil and powerful motor allows the E160CF-8 to deliver incredible dynamics and transient response.

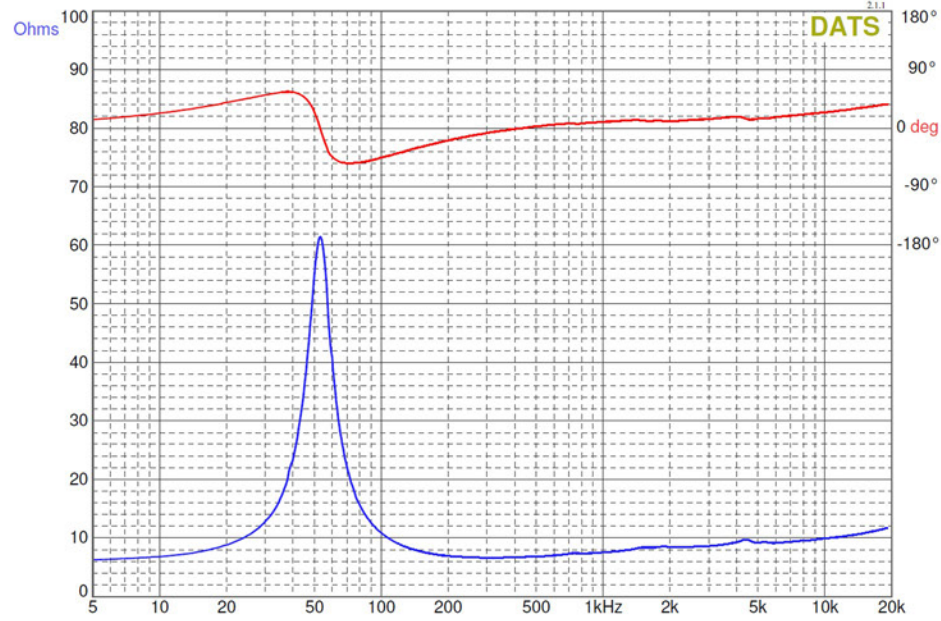
- FEA optimized underhung neodymium motor minimizes distortion, increases efficiency, and improves electrical damping
- Titanium former provides virtually no eddy currents improving efficiency and transient response
- Damped carbon fiber cone lowers moving mass and minimizes unwanted resonances
- Large shorting sleeve lowers inductance and extends frequency response
- EVS™ (Extensive Venting System) allows generous airflow around the voice coil reducing power compression

### PARAMETERS

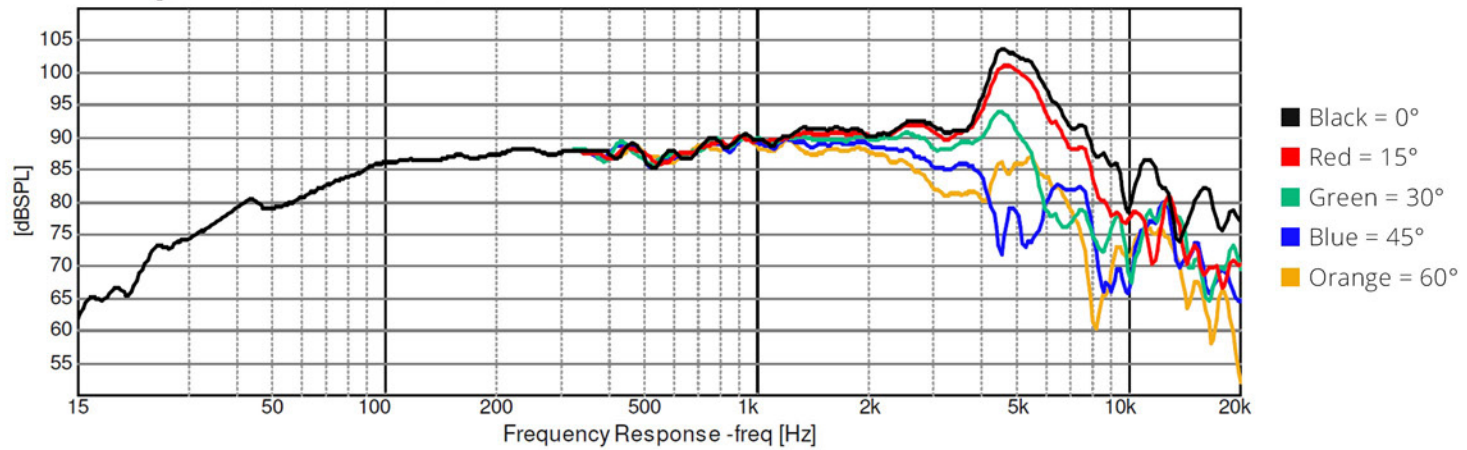
Impedance	8 ohms
Re	6.1 ohms
Le	0.71 mH @ 1 kHz
Fs	52.5 Hz
Qms	4.61
Qes	0.51
Qts	0.46
Mms	11.3 g
Cms	0.82 mm/N
Sd	108.8 cm <sup>2</sup>
Vd	43.5 cm <sup>3</sup>
BL	6.7 Tm
Vas	13.7 liters
Xmax	4.0 mm
VC Diameter	38 mm
SPL	89.0 dB @ 2.83V/1m
RMS Power Handling	100 watts
Usable Frequency Range (Hz)	50 - 8,000 Hz



### IMPEDANCE

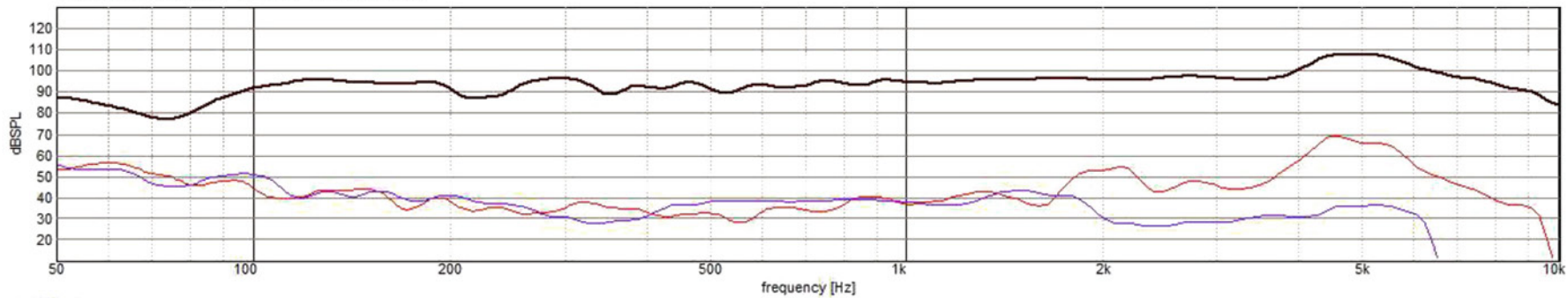


### FREQUENCY RESPONSE



Omnimic

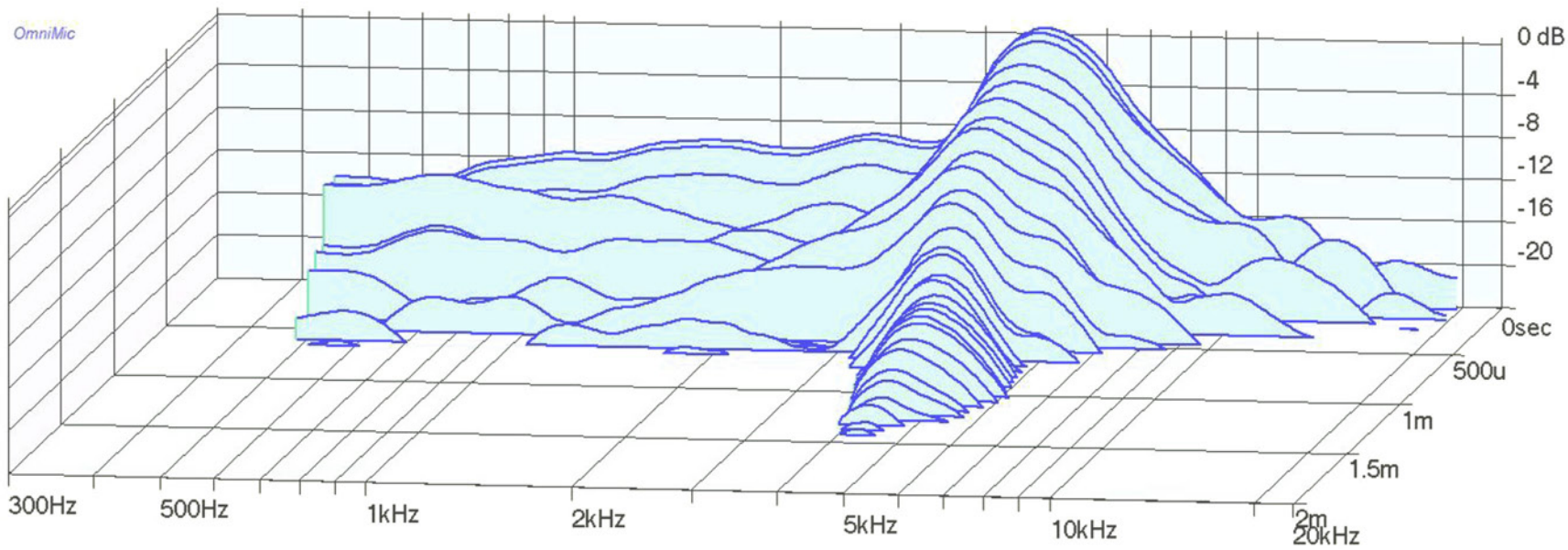
## HARMONIC DISTORTION



OmniMic

■ Black = Fundamental   ■ Red = 2<sup>nd</sup> Harmonic   ■ Violet = 3<sup>rd</sup> Harmonic

## CUMULATIVE SPECTRAL DECAY



OmniMic