

**Key Features**

- **Reference-Quality Audio**—for broadcast, stage monitoring, multimedia presentations, and numerous additional applications.
- **Direct Radiator, 2-Way System**—in a multi-purpose compact enclosure.
- **Advanced Compositelite™ Carbon Fiber Enclosure**—for greater sonic accuracy and superior weather resistance.
- **High Power Handling**—“Industrial Strength” near-field components handle 160-200 watts of program material. With 86 dB sensitivity, 112 dB peak SPL is available (model 570: 89 dB sensitivity, 114 dB peak SPL).
- **QSC DSP Downloads**—for QSC-powered systems using the DSP-3 programmable processor, a growing selection of custom tailored downloads offer virtually perfect “dialed-in” performance right out of the box.
- **Color Options**—over 100 custom color options are available.



QSC-ACE 500 Series Composite Nearfield Reference Monitors are two-way speakers designed for use in critical listening applications, including broadcast, stage monitoring, multimedia presentations, and foreground or background music playback.

The ACE 500 product line consists of three models: the ACE 540, ACE 550, and the ACE 570. The ACE 540 delivers excellent performance from a two-way, infinite baffle enclosure. The ACE 550 and ACE 570 are two-way, ported enclosures that boast extended low frequency response. All three models make use of a 1" dome tweeter for the HF transducer. The ACE 540 and ACE 550 use a 5.25" LF transducer while the ACE 570 uses a 7" LF transducer. All models are housed in a trapezoidal-shaped enclosure—making these speakers well suited for numerous audio environments.

All 500 Series loudspeakers employ a passive crossover and have a nominal coverage pattern of 120°. Neutrik® NL4 Speak-On connectors, binding posts, and mounting points are included.

QSC-ACE enclosures incorporate Compositelite™, a patented core composite technology that yields superior acoustic properties, lighter weight, and outstanding weather resistance compared to conventional enclosure materials. Multiple skins of carbon fiber are layered over a phenolic honeycomb core to form a rigid, seamless enclosure. The extreme stiffness of composite construction prevents flexing of the enclosure walls, significantly reducing transmission loss due to wall vibration. The result is reduced cabinet resonance, increased low-frequency output, and greater sonic accuracy. A comprehensive line of mounting accessories and optional color choices make the QSC-ACE 500 Series a versatile solution.



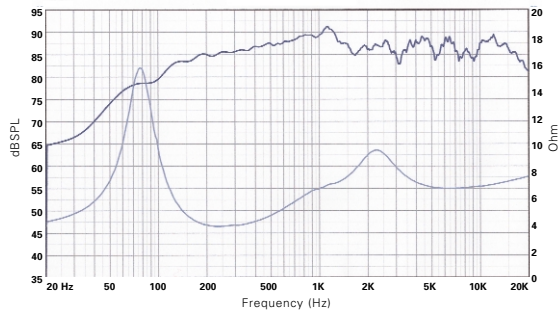
*Hear the Power of Technology.*

Specifications	540 WR	550 WR	570 i
<b>Configuration</b>	Two way, infinite baffle enclosure	Two way, ported enclosure	Two way, ported enclosure
<b>High Frequency Transducer</b>	1" (25 mm) dome tweeter	1" (25 mm) dome tweeter	1" (25 mm) dome tweeter
<b>Low Frequency Transducer</b>	5.25" (130 mm)	5.25" (130 mm)	7" (178 mm)
<b>Crossover Configuration</b>	Passive	Passive	Passive
<b>Frequency Response (Hz) ±3 dB</b>	73 Hz–20 kHz	52 Hz–20 kHz	75 Hz–20 kHz
<b>Sensitivity (2.83V @ 1 meter) 20 Hz–20 kHz</b>	86 dB	86 dB	89 dB
<b>Nominal Impedance</b>	4 ohms	4 ohms	8 ohms
<b>Power Handling Continuous Program Material</b>	200W	200W	160W
<b>Nominal Coverage</b>	120°	120°	120°
<b>Video Shielding</b>	Yes	Yes	No
<b>Enclosure</b>			
<b>Cabinet Shape</b>	Trapezoidal	Trapezoidal	Trapezoidal
<b>Enclosure Materials</b>	Compositelite™ Composite Core	Compositelite™ Composite Core	Compositelite™ Composite Core
<b>Finish</b>	Epoxy Resin	Epoxy Resin	Epoxy Resin
<b>Weather Resistance</b>	Yes	Yes	No
<b>Grill</b>	Black anodized perforated aluminum w/67% open area	Black anodized perforated aluminum w/67% open area	Black anodized perforated aluminum w/67% open area
<b>Connectors</b>	Neutrik NL4 Speakon, binding posts	Neutrik NL4 Speakon, binding posts	Neutrik NL4 Speakon, binding posts
<b>Suspension Hardware</b>	500 Series Accessories	500 Series Accessories	500 Series Accessories
<b>Dimensions and Weight</b>			
<b>Height</b>	14.38" (36.5 cm)	14.38" (36.5 cm)	14.38" (36.5 cm)
<b>Width (Front)</b>	8.75" (22.2 cm)	8.75" (22.2 cm)	8.75" (22.2 cm)
<b>Depth</b>	9" (22.9 cm)	9" (22.9 cm)	9" (22.9 cm)
<b>Trapezoid Angle</b>	45 deg. Prism	45 deg. Prism	45 deg. Prism
<b>Net Weight</b>	8 lb. (3.6 kg)	8 lb. (3.6 kg)	10 lb. (4.5 kg)
<b>Shipping Weight</b>	11 lb. (4.9 kg)	11 lb. (4.9 kg)	13 lb. (5.85 kg)

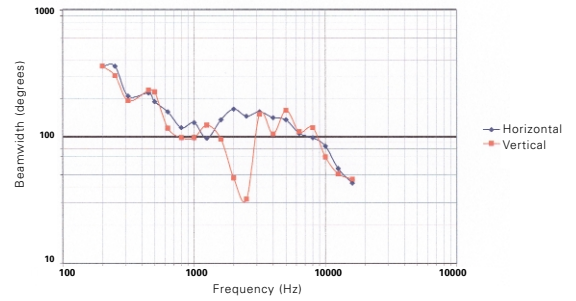
# 540/550/570 Frequency Response and Impedance / Enclosure Dimensions

## 540

### Frequency Response and Impedance



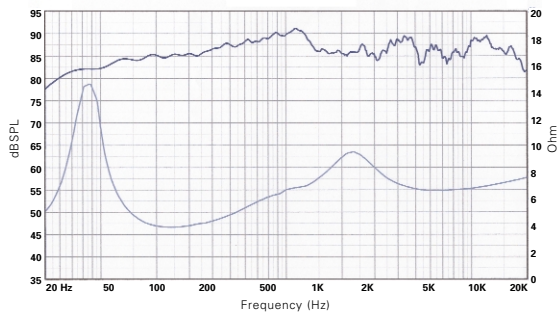
Frequency Response and Impedance



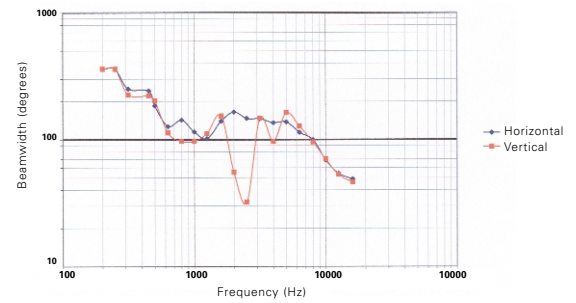
Beamwidth vs Frequency

## 550

### Frequency Response and Impedance



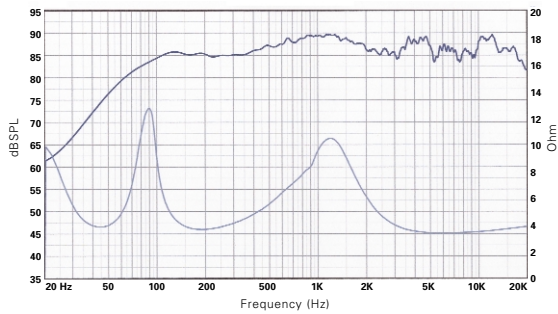
Frequency Response and Impedance



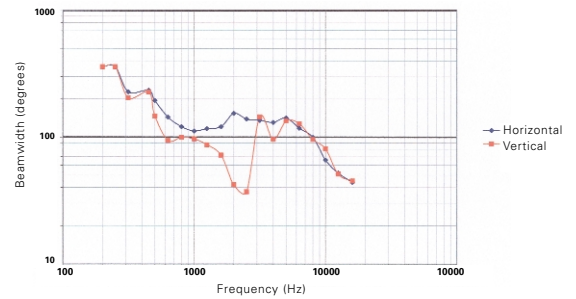
Beamwidth vs Frequency

## 570

### Frequency Response and Impedance

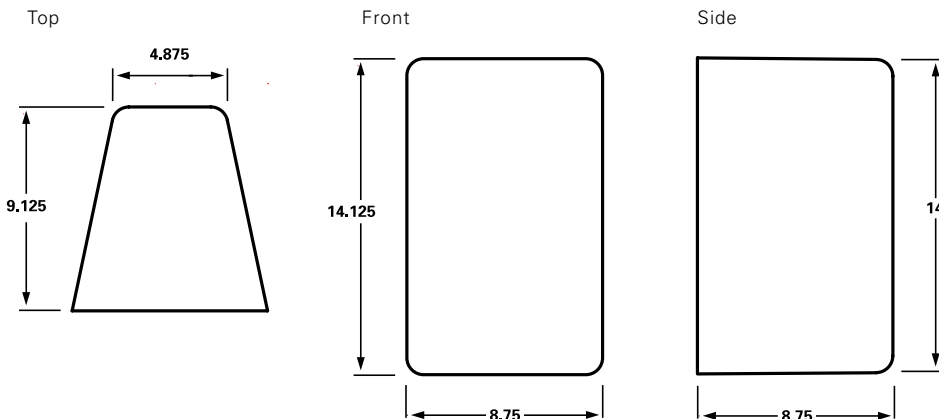


Frequency Response and Impedance



Beamwidth vs Frequency

## 540/550/570 Enclosure Dimensions Physical Dimensions / All units in inches



500 Series Spec Sheet 10/02/01

For more information about QSC professional loudspeakers, contact your local QSC sales representative, or call us toll-free at:

**(800) 854-4079**



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