

# HL 2240

## HORN LOADED TWO-WAY ARRAY 40° x 22.5°

### DESCRIPTION

HL 2240 is a horn loaded two-way bi-amped array system that incorporates 2 x 12" woofer and a titanium dome 4.0" voice coil titanium compression driver for mid distance and long throw applications. The system is very compact and provides very high output and accurate voice and sound reproduction. The system is equipped with the latest generation of RCF precision transducers. The system has a 40° x 22.5° constant directivity and is ideally used in point source configuration for mid distance applications or can be clustered with narrower angles for long throw applications. The loudspeaker enclosure shape is trapezoidal and offers a 22.5° coupling angle each side. Connections to the amplifier are made through a watertight Amphenol multi-pole connector. The grille is in custom perforated steel, epoxy coated, with open-cell fibres and water repellent woven fabric backing. The cabinet is constructed of Baltic birch marine plywood and finished in a very resistant, textured, polyurea black paint. HL 2240 is weatherproof with protection code IP 55.



### FEATURES

- 1500 W system power handling (RMS)
- 141 dB max SPL
- 40° x 22.5° constant directivity, horn-loaded
- IP 55 protection code
- 60 Hz ÷ 20000 Hz frequency range
- 2 x 12" high power woofers (3.5" v.c.)
- 1 x 4.0" v.c. neodymium compression driver
- Baltic Birch Plywood enclosure with internal structural metal bracings
- Safe and solid variable array mechanics
- Amphenol IP 67 in/out connectors

## TECHNICAL SPECIFICATIONS

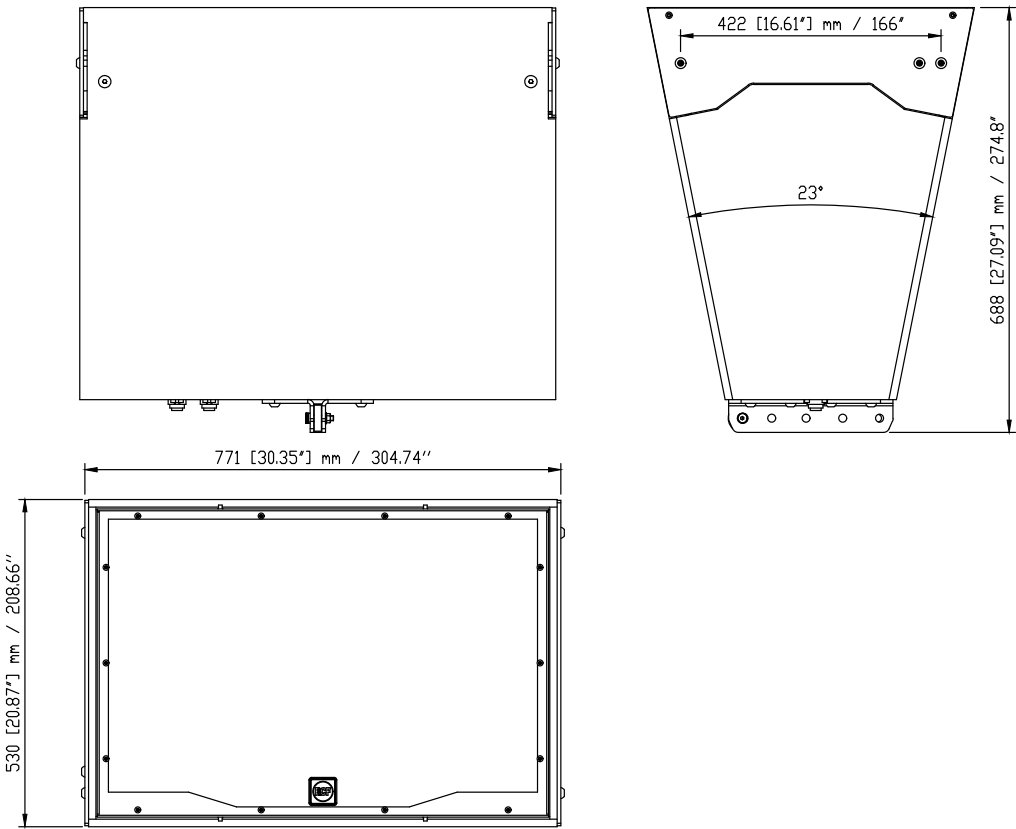
<b>Acoustical specifications</b>	Frequency Response (-10dB):	60 Hz ÷ 20000 Hz
	Frequency Response (-3dB):	80 Hz ÷ 20000 Hz
	Max SPL @ 1m:	141 dB
	Horizontal coverage angle:	40°
	Vertical coverage angle:	22.5°
	Directivity index Q:	13
<b>Power section</b>	Amplification:	Bi-Amp
	Crossover Frequencies:	600 Hz
	Recommended Amplifiers:	XPS 16K, XPS 16KD, QPS 10K, QPS 6.0K, IPS 5.0K, IPS 2.5K
	Nominal Impedance LF:	8 ohm
	Power Handling LF:	1350 W
	Peak Power Handling LF:	5400 W
	Sensitivity LF:	104 dB
	Nominal Impedance HF:	8 ohm
	Power Handling HF:	150 W
	Peak Power Handling HF:	600 W
	Sensitivity HF:	113 dB
<b>Transducers</b>	Compression Driver:	1 x 2.0" neo, 4.0" v.c
	Woofers:	2 x 12", 3.5" v.c
<b>Input/Output section</b>	Input connectors:	Amphenol eco/mat IP 67
	Output connectors:	Amphenol eco/mat IP 67
<b>Standard compliance</b>	IP protection grade:	IP 55
	Safety agency:	CE compliant
<b>Physical specifications</b>	Hardware:	Side and rear array rigging point
	Color:	Black
<b>Size</b>	Height:	530 mm / 20.87 inches
	Width:	771 mm / 30.35 inches
	Depth:	635 mm / 25 inches
	Weight:	69 kg / 152.12 lbs
<b>Shipping information</b>	Package Height:	720 mm / 28.35 inches
	Package Width:	860 mm / 33.86 inches
	Package Depth:	820 mm / 32.28 inches
	Package Weight:	70.5 kg / 155.43 lbs

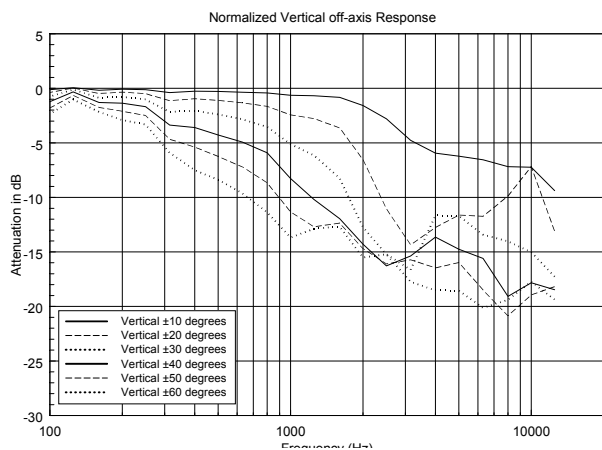
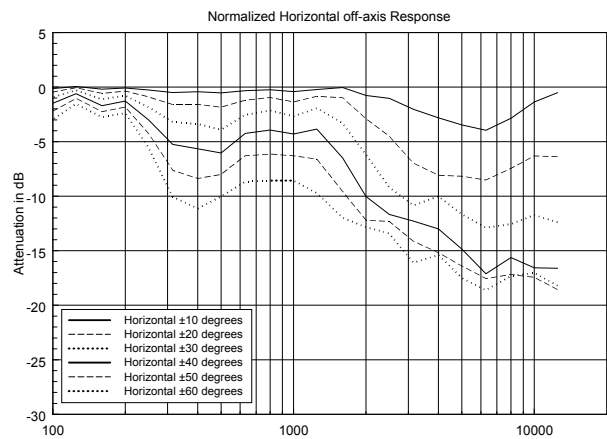
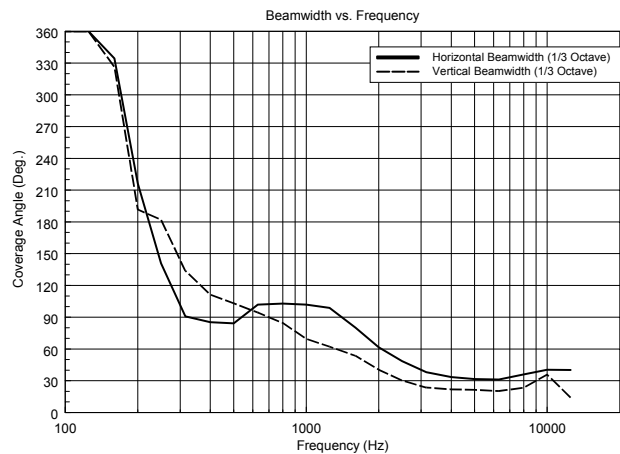
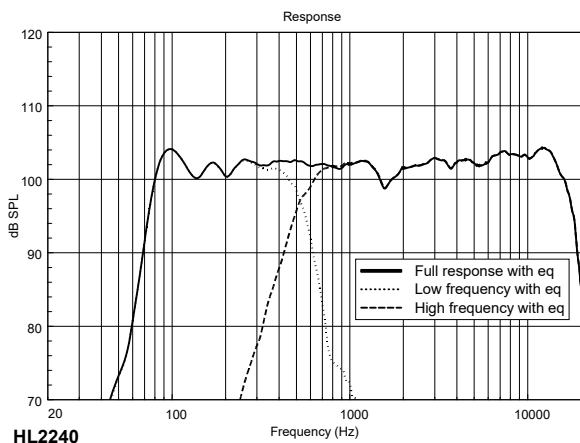
**PART NUMBER**

- **13000404**

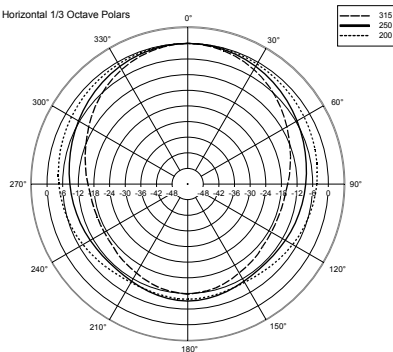
HL 2240

EAN 8024530012557

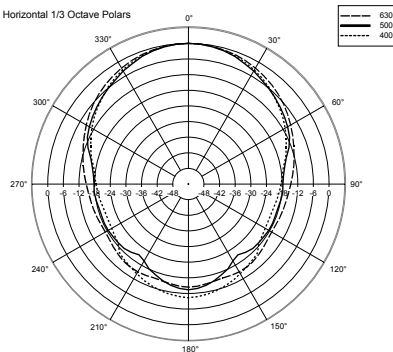




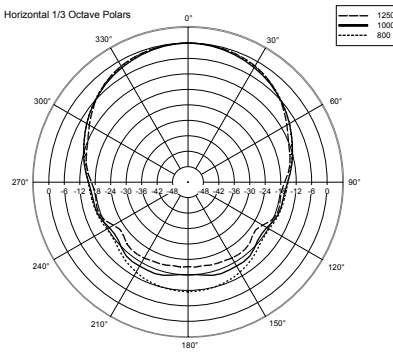
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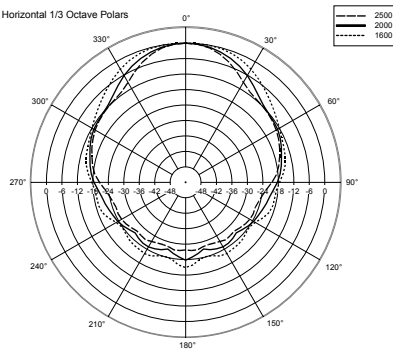
Horizontal 1/3 Octave Polars



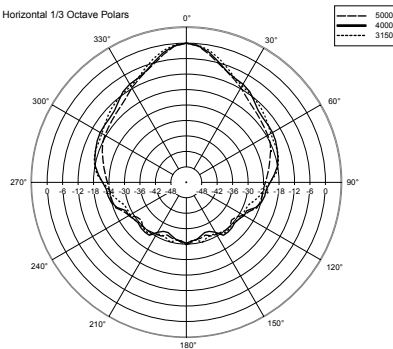
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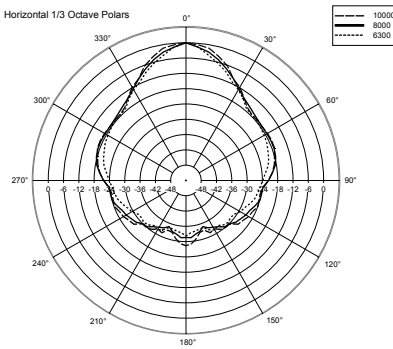
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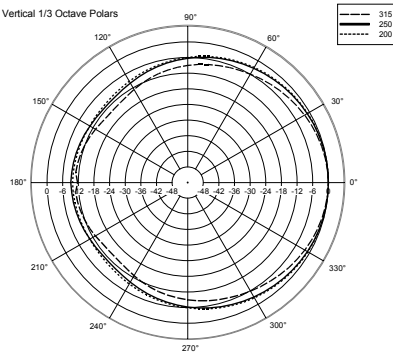
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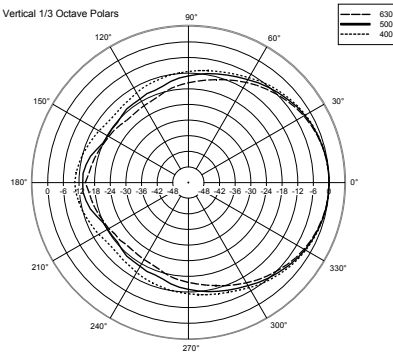
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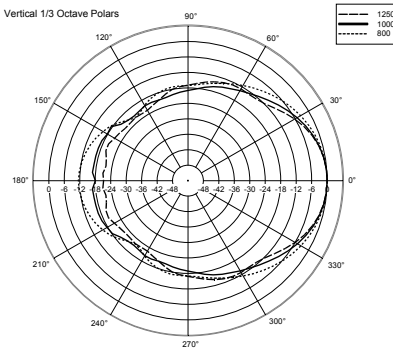
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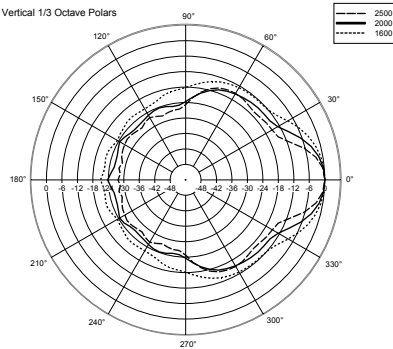
Vertical 1/3 Octave Polars



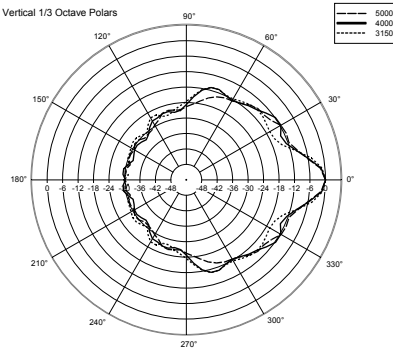
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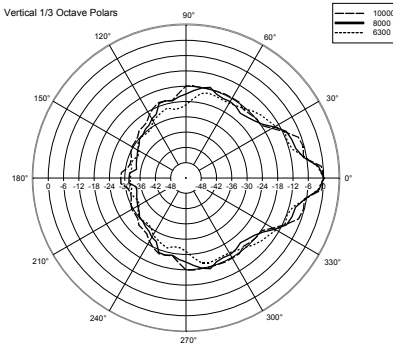
Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars





**ACCESSORIES**



FLY BAR FL-B HL

PART NUMBER      **13360282**  
EAN:                      8024530011734

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## **A&E SPECIFICATIONS**

The product shall be is a horn loaded two-way bi-amped array system that incorporates 2 x 12" woofer and a titanium dome 4.0" voice coil compression driver for mid distance and long throw applications. The system shall be compact and provide very high output and accurate voice and sound reproduction. The system shall have a 40° x 22.5° constant directivity to be ideally used in point source configuration for mid distance applications or clustered with narrower angles for long throw applications. The loudspeaker enclosure shape shall be trapezoidal and offer a 22.5° coupling angle each side. Connections to the amplifier shall be made through a watertight Amphenol multi-pole connector. The grille shall be in perforated steel, epoxy coated, with open-cell fibres and water repellent woven fabric backing. The cabinet shall be constructed of Baltic birch marine plywood and finished in a very resistant, textured, polyurea black paint. The product shall be weatherproof with protection code IP 55.