

# HL 2290

HORN LOADED TWO-WAY ARRAY 90° X 22.5°

## DESCRIPTION

HL 2290 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 90° 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 2290 is weatherproof with protection code IP 55.



## FEATURES

- 1500 W system power handling (RMS)
- 141 dB max SPL
- 90° 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. compression driver, titanium dome
- Baltic Birch Plywood enclosure with internal structural metal bracings
- Safe and solid variable array mechanics
- Amphenol IP 67 in/out connectors

**TECHNICAL SPECIFICATIONS**

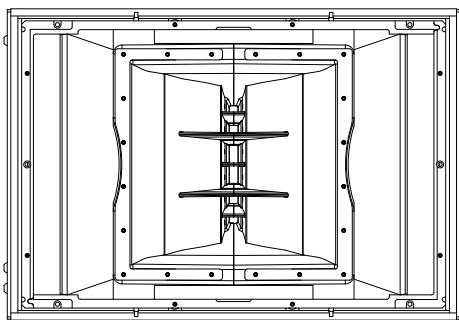
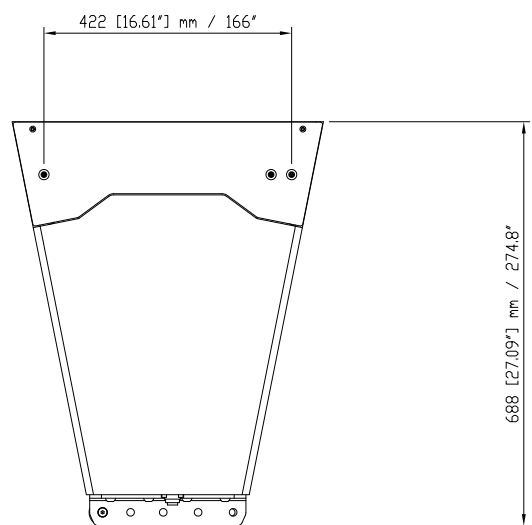
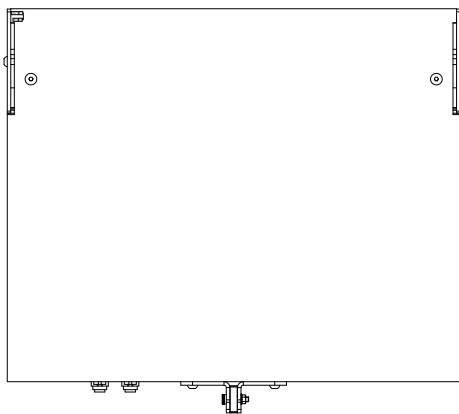
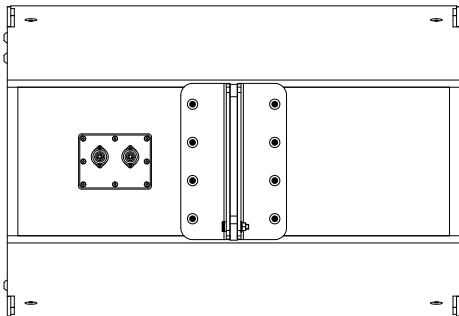
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|----------------------------------|-----------------------------|--|
| <b>Acoustical specifications</b> | Frequency Response (-10dB): | 60 Hz ÷ 20000 Hz   |
|                                  | Frequency Response (-3dB):  | 80 Hz ÷ 20000 Hz   |
|                                  | Max SPL @ 1m:               | 141 dB   |
|                                  | Horizontal coverage angle:  | 90°  |
|                                  | Vertical coverage angle:    | 23°  |
|                                  | Directivity index Q:        | 16   |
| <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  |
| <b>Transducers</b>               | Compression Driver:         | 1 x 1.4" neo, 4.0" v.c                                   |
|                                  | Woofer:                     | 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:             | 799 mm / 31.46 inches                                    |
|                                  | Package Width:              | 859 mm / 33.82 inches                                    |
|                                  | Package Depth:              | 619 mm / 24.37 inches                                    |
|                                  | Package Weight:             | 70.5 kg / 155.43 lbs                                     |

**PART NUMBER**

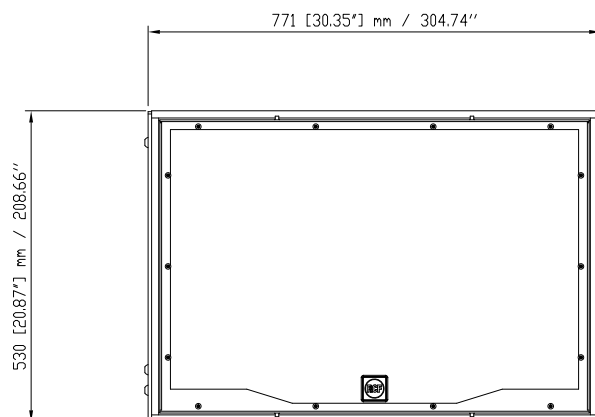
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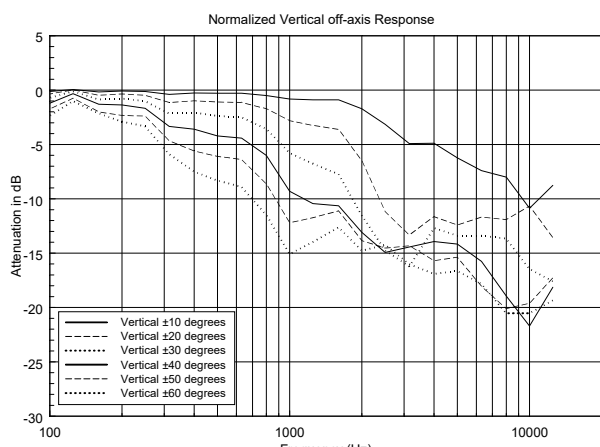
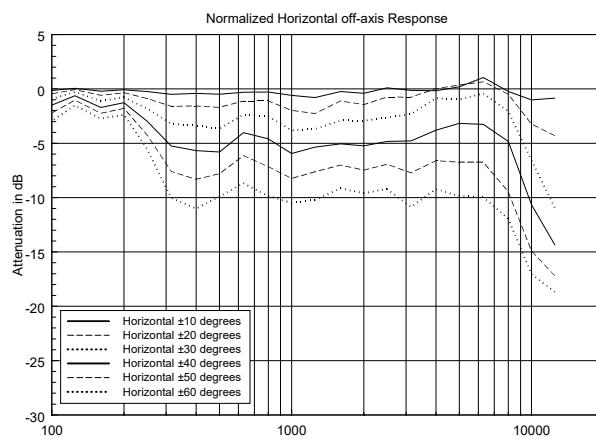
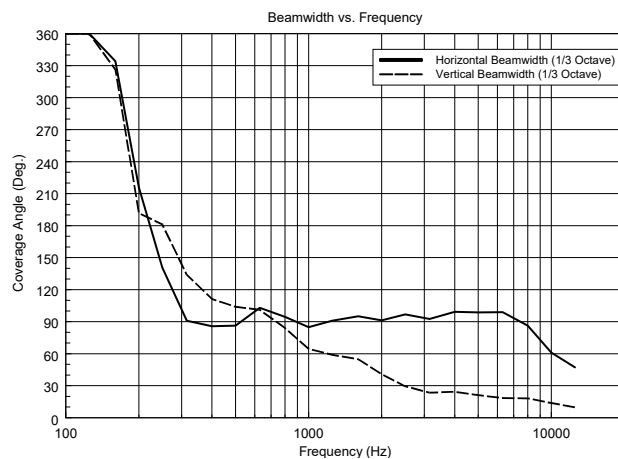
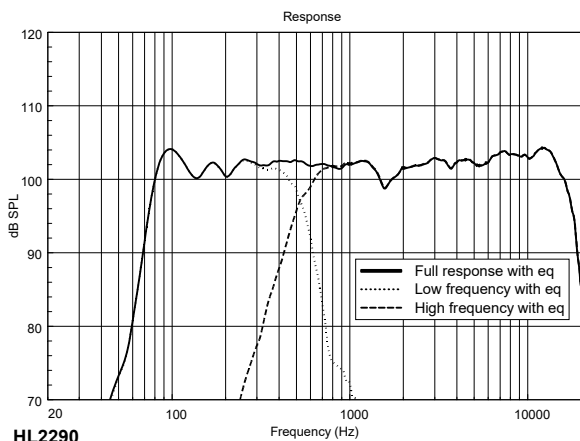
HL 2290

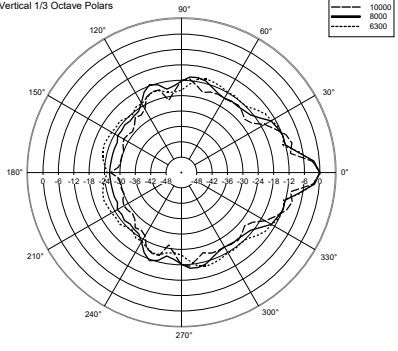
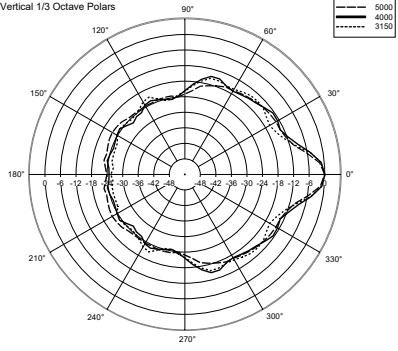
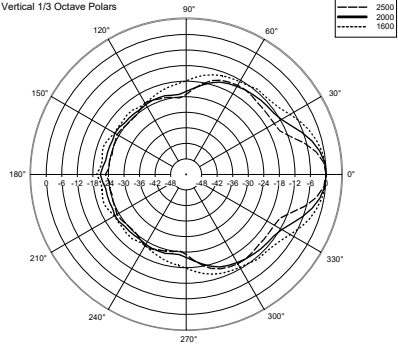
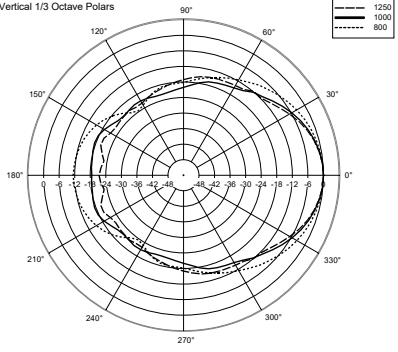
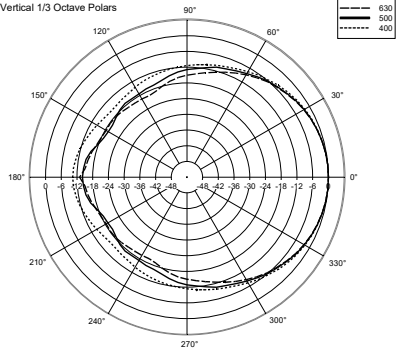
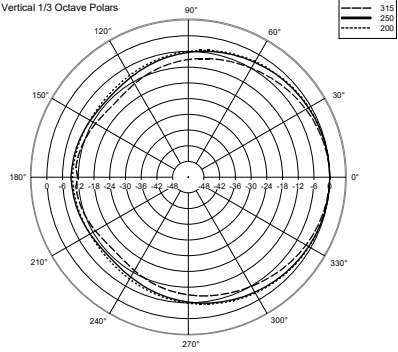
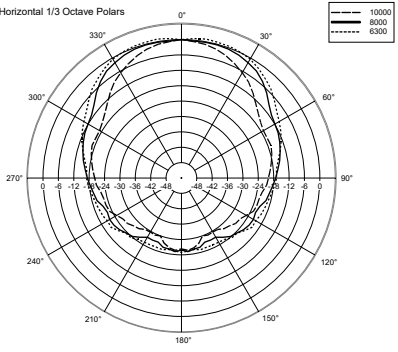
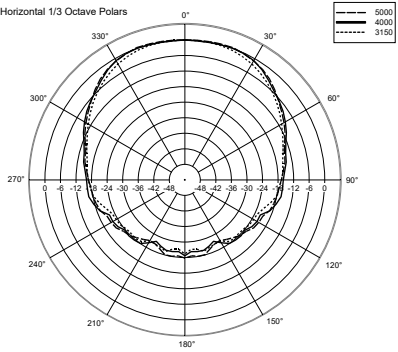
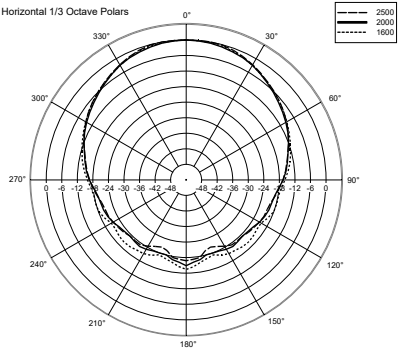
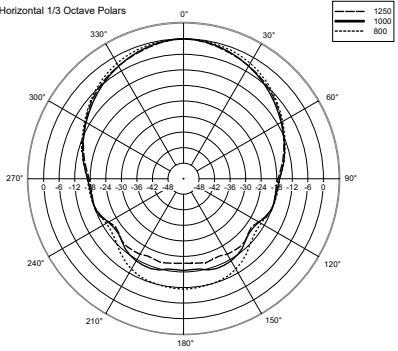
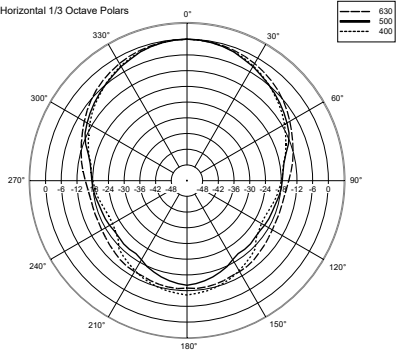
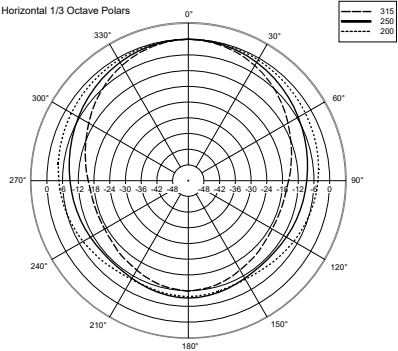
EAN 8024530011604



HL 2290  
69 KG









**ACCESSORIES**



FLY BAR FL-B HL

|             |                 |
|-------------|-----------------|
| PART NUMBER | <b>13360282</b> |
| 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 90° 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.