



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

Part Number

13000404 HL 2240

8ohm

Black

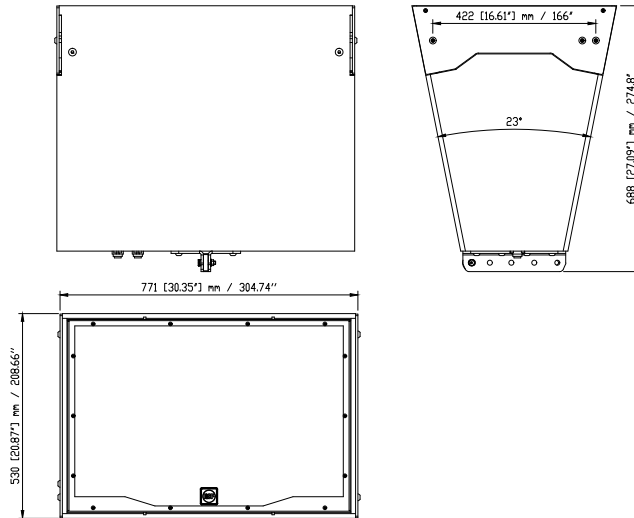
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Line Art 2D



TECHNICAL SPECIFICATIONS

Acoustical specifications

| | |
|----------------------------|------------------|
| 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 |

Power section

| | |
|------------------------|--|
| Amplification | Bi-Amp |
| Crossover Frequencies | 600 Hz |
| 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 |
| Recommended Amplifiers | XPS 16K, XPS 16KD, QPS 10K, QPS 6.0K, IPS 5.0K, IPS 2.5K |

Transducers

| | |
|--------------------|------------------------|
| Compression Driver | 1 x 2.0" neo, 4.0" v.c |
| Woofer | 2 x 12", 3.5" v.c |

Input/Output section

| | |
|-------------------|------------------------|
| Input connectors | Amphenol eco/mat IP 67 |
| Output connectors | Amphenol eco/mat IP 67 |

Standard compliance

| | |
|---------------------|--------------|
| IP protection grade | IP 55 |
| Safety agency | CE compliant |

Physical specifications

| | |
|-----------------------|-----------------------------------|
| Cabinet/Case Material | Baltic birch plywood |
| Hardware | Side and rear array rigging point |
| Grille | Steel |
| Color | Black |



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| | | | |
|---------------------------|--------------------|-----------------------|---------------|
| Size | Height | 530 mm / 20.87 inches | |
| | Width | 771 mm / 30.35 inches | |
| | Depth | 635 mm / 25 inches | |
| | Weight | 69 kg / 152.12 lbs | |
| Rigging / Mounting | ACCESSORIES | | |
| | FL-B HL | 13360282 | 8024530011734 |