



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

Part Number

13000405 HL 2290

8ohm

Black

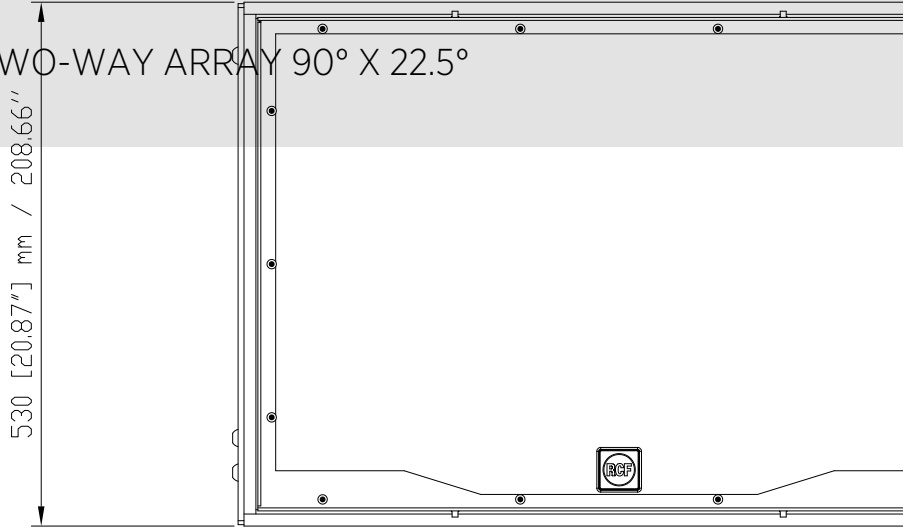
EAN 8024530011604



HL 2290

HORN LOADED TWO-WAY ARRAY 90° X 22.5°

Line Art 2D



Acoustical specifications

TECHNICAL SPECIFICATIONS

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
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 1.4" 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



HL 2290

HORN LOADED TWO-WAY ARRAY 90° X 22.5°

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