SPECTRA II 9075

FEATURES

- Compact powerful (139dB peak SPL@ 1 m) enclosure for biamping, with two 12" woofers (LF) in reflex configuration and a horn loaded 3" diaphragm compression driver (HF); ferrofluid cooled HF section voice coil.
- Neodymium components for high weight/performance ratio.
- The high frequency horn can be turned through 90°, enabling the enclosures to be used in a horizontal or vertical position.
- Modular system with interchangeable components for the utmost flexibility to satisfy the various acoustic coverage requirements, can be installed alongside or above other units of the same type in array configuration.
- Biamping and control via dedicated digital processor.
- Cabinet reinforced internally for the utmost sturdiness and to eliminate coloration due to resonance and equipped with Outline's proprietary "Fast Hanger" system for fast reasonably priced flying.

APPLICATIONS

- Medium-short throw system (90° x 75°) ideal for live use in no-nonsense applications in medium sized concerts, with groups, bands and orchestras.
- Permanent high quality installations in theatres, clubs, indoor sports arenas, ideal for use along with Outline subwoofers, particularly the "Spectra Bass" system, for further extension of the bottom end and therefore greater dynamics.

DESCRIPTION

Spectra II 9075 is a wide range active 2-way loudspeaker system for biamping. It comprises a Low/Mid frequency section using two direct radiation NdFeB 12" woofers and a high frequency section using a compression driver with a 2" throat and a 3" titanium diaphragm, with built-in overload protection, loaded by a rotatable asymmetric controlled directivity wave guide with a square mouth, built in sturdy fiberglas. The Low/Mid section's two loudspeakers can be positioned symmetrically at the sides of the high frequency wave guide by forming the so-called D'Appolito configuration, but can also be positioned alongside each other in order to obtain a different directivity plot along with the high frequency section.
The acoustic reproduced bandwidth is 50Hz÷19.5kHz at -10dB, with a great linearity of within ±3dB from 68.5Hz to 19kHz, for the reproduction of many types of applications.
When biamped, the system has high sensitivity for the low section 102dBSPL at 1m, and over 109.5dBSPL at 1m for the HF section. Driven at maximum peak power, each section is able to produce a maximum peak of 136dBSPL (low) and 137dBSPL (high) at 1m.
The maximum allowed power for each section is 600 Watt AES (2,400 peak) for basses and 150 Watt AES (600 Peak) for high. Average dispersion from 500Hz to 4kHz is 95° horizontal and 53° vertical, from 500 Hz to 10.000 Hz is still 95° horizontal and 75° vertical for short and medium throw applications. The trapezoidal cabinet is built in high quality 15mm baltic plywood, strengthened by the complex internal structure and suitably positioned internal bracing to eliminate any resonance of the cabinet's sides. The black outer finish is in high quality scratch-resistant paint.
The cabinet has 6 fast flying points, that makes vertical or horizontal hanging extremely easy and reliable, by using the appropriate optional accessories.

ALSO AVAILABLE IN VERSION 5040

Further information at www.outline.it

TECHNICAL SPECIFICATIONS:

FREQUENCY RESPONSE	(-10 dB)	52.0 Hz ÷ 19.0 kHz	
	(±3 dB)	68.5 Hz ÷ 18.5 kHz	
AVERAGE DISPERSION	>5 kHz	95° x 90° (H x V)	
IMPEDANCE (Ω)	Low (min)	4	(3.46 @ 250 Hz)
	High (min)	16	(10.8 @ 5450 Hz)
MAX SENSITIVITY (dBSPL @ 1W 1m)		Low	105 (Half-space)
		High	109.5
POWER - WATT AES		Cont.	Peak
	Low	600	2400
	High	150	600
MAX SPL @ 1 m (calculated)		Cont.	Peak
	Low	133	139 (Half-space)
	High	131	137

CONNECTORS	2 x NL4 Speakon:	
Low:	Pin 1 + pos ; Pin 1 - neg	
High:	Pin 2 + pos ; Pin 2 - neg	
LOUDSPEAKERS AND LOADING		
	Low: 2 x 12" NdFeB Vented high pass box	
	High: 1 x 2" Exit (3" diaphragm), Wave Guide loaded	
	Single unit	***Shipping (1 unit)***
WEIGHT	32.5 kg (71.7 lb)	43 kg (94.8 lb)
DIMENSIONS		
Height	110 cm (43.3")	118 cm (46.5")
Width	38.2 cm (15")	45 cm (17.7")
Depth	45 cm (17.7")	52 cm (20.5")