

# EIDOS 10-12-15

## FEATURES

- Natural, uncoloured audio performance
- Predictable and accurate HF directivity control
- High SPL capability relative to size and weight of cabinet
- Two-way format (8 Ohms nominal) with built-in passive crossover
- Internal crossover network features top grade components
- Very efficient in terms of amplifier channels required
- Rotatable waveguide (90° x 60°) – on EIDOS 10, 12 and 15
- Multi-alignment horn assembly and cabinet design allows use as stage monitor
- Choice of three full-range models in varying sizes provide design flexibility
- Contemporary and original Outline design
- Cabinet internally braced to ensure maximum rigidity and prevent coloration due to internal resonance
- All EIDOS cabinets fitted with multiple M8 rigging points as standard
- Available in a limitless range of colours to suit any décor
- Comprehensive choice of mounting hardware available to suit all applications
- Conceived, designed and manufactured exclusively in Italy (as are all Outline products)
- Design file for Outline 'Openarray' 3D acoustic simulation software available for all EIDOS products



## APPLICATIONS

Multi-use enclosures, particularly suitable for permanent high quality installations in clubs, lounge bars, pubs, music-café, theatres, conference rooms, stores, shopping centres, malls etc.; ideal for use along with **EIDOS 215 S** and **118 S** subwoofers for further extension of the bottom end and therefore greater dynamics.

Multi-function full-range enclosures, suitable for high quality mobile applications.

## DESCRIPTION

Conceived and manufactured to provide clients an initial approach to the world of Outline products, the **EIDOS** series is the result of the desire to offer an even wider public the quality and distinctive lines that have made the Brescia brand a reference point in the sound reinforcement world at international level.

The ideal field of application of the units is in the wide variety of so-called permanent installations (clubs, lounge bars, pubs, music-café, theatres, conference rooms, stores, shopping centres and malls,...).

**EIDOS 10**, **EIDOS 12** and **EIDOS 15** are two-way full-range units equipped respectively with a 10", 12" and 15" loudspeakers and fitted with passive crossovers manufactured with top grade components (coils with very low resistance and metallized polypropylene capacitors). With these tuned enclosures, the low frequency loading is of the phase inversion type.

The (44mm diaphragm) compression driver and waveguide are the same on all three. The latter (90° x 60°) offers a great advantage for installation in small rooms or those with low headroom, as it can be rotated through 90° to ensure the required dispersion no matter what position the cabinet is installed in (horizontal or vertical). The mouth's ample dimensions ensure remarkable directivity control. The lines of the cabinets enable them to be also used as stage monitors.

The quality of the transducers gives excellent sonic performance when compared with the price bracket, in terms of overall timbre quality and as far as the ability to handle high power is concerned.

The cutting edge technology adopted by Outline in the molding sector has enabled the company to manufacture horns that are rigid and lighter, with obvious benefits in terms of distortion and lower weight.



## INSTALLATION SERIES



Fully respecting the high quality standards to which Outline users are accustomed, the cabinets of the **EIDOS** series are built in 15mm (phenolic-glued) birch plywood and include bracing to dampen internal resonance.

The outer finish is in scratch-resistant, waterproof black paint and the front of the cabinet is protected by an anti-resonant steel grille covered with sound-transparent foam.

There is no lack of M8 thread flying points, enabling the enclosures to be easily fitted with flying hardware.



		EIDOS 10	EIDOS 12	EIDOS 15
<b>FREQUENCY RESPONSE</b>	-10 dB	60 Hz ÷ 20 kHz	55 Hz ÷ 20 kHz	53 Hz ÷ 20 kHz
	± 3 dB	100 Hz ÷ 20 kHz	90 Hz ÷ 20 kHz	80 Hz ÷ 20 kHz
<b>DISPERSION</b>	500 Hz ÷ 10 kHz	108° x 90° (H x V)	98° x 87° (H x V)	84° x 76° (H x V)
	> 5 kHz	74° x 64° (H x V)	72° x 64° (H x V)	76° x 74° (H x V)
	500 Hz ÷ 4 kHz	122° x 103° (H x V)	106° x 98° (H x V)	83° x 86° (H x V)
<b>IMPEDANCE</b>	Nom (min)	8 Ω (6.2 Ω @ 274 Hz)	8 Ω (7 Ω @ 165 Hz)	8 Ω (7.3 Ω @ 54 Hz)
<b>SENSITIVITY</b> (dB SPL @ 1m, 1W, free-field)		96 dB SPL	96 dB SPL	96 dB SPL
<b>POWER - W AES</b>	AES	250 W	300 W	400 W
	Peak	1000 W	1200 W	1600 W
<b>MAX SPL @ 1m, free-field (calculated)</b>	RMS	120 dB SPL	121 dB SPL	122 dB SPL
	Peak	126 dB SPL	127 dB SPL	128 dB SPL
<b>TRANSDUCERS &amp; LOADING</b>	LF	1 x 10" high-pass loaded woofer	1 x 12" high-pass loaded woofer	1 x 15" high-pass loaded woofer
	HF	1 x 1" throat, horn loaded, compression driver	1 x 1" throat, horn loaded, compression driver	1 x 1" throat, horn loaded, compression driver
<b>CONNECTORS</b>		2 x NL4	2 x NL4	2 x NL4
	LF/HF	pin 1+ (pos); pin 1- (neg)	pin 1+ (pos); pin 1- (neg)	pin 1+ (pos); pin 1- (neg)

<b>WEIGHT</b>		15.5 kg (34.2 lb)	17.7 kg (39.0 lb)	25.8 kg (56.9 lb)
<b>DIMENSIONS</b>	H	59.0 cm (23.2")	67.0 cm (26.4")	75.0 cm (29.5")
	W	35.0 cm (13.8")	39.6 cm (15.6")	45.0 cm (17.7")
	D	33.4 cm (13.1")	34.1 cm (13.4")	39.0 cm (15.4")
<b>SHIPPING WEIGHT</b>		18.5 kg (40.8 lb)	20.5 kg (45.2 lb)	28.9 kg (63.7 lb)
<b>SHIPPING DIMENSIONS</b>	H	63.0 cm (24.8")	71.0 cm (28.0")	79.0 cm (31.1")
	W	45.0 cm (17.7")	50.0 cm (19.7")	55.0 cm (21.7")
	D	44.0 cm (17.3")	44.0 cm (17.3")	49.0 cm (19.3")

## INSTALLATION SERIES

# EIDOS 215S, 118S & 108S SUBWOOFERS

## FEATURES

- High efficiency high-power subs with two 15" woofers -Eidos 215S, one 18" woofer -Eidos 118S, and one 8" woofer -Eidos 108S
- Exceptional size-to-power ratio (118, 134 and 135 dB SPL peak at 1 metre)
- Deep, very clean low frequencies
- Long-excursion woofers fitted with demodulating rings in order to handle (peak) power values that exceed the loudspeakers' (electrical) power capacity
- Cabinet internally braced to ensure maximum solidity and prevent coloration due internal resonances.
- Extremely compact cabinets (can be easily tucked away below the stage or in the case of the 108S, under bench seating)
- Flying points (M8 thread)
- Very low weight



## APPLICATIONS

Suitable for high quality installations in houses of worship, clubs, lounge bars, Live music-venues, theatres, conference rooms, stores, and shopping centres. Enclosures also suitable for high quality mobile applications, industrial and corporate rental companies.

## DESCRIPTION

**EIDOS 215 S** and **EIDOS 118 S** are suited to the high SPL reinforcement of low frequencies. They are respectively, a bass-reflex system and a band-pass system, The 215S is equipped with twin 38 cm (15") and the 118S is loaded with a single 46 cm (18") Drive-unit. In order to handle (peak) power values that exceeds the loudspeakers' (electrical) power capacity, both cabinets use long-excursion woofers fitted with demodulating rings.

**EIDOS 108S** has been designed for a different purpose where Low-frequencies are needed but discrete placement is required. The compact nature of this cabinet allows installation within the tightest of places. Based on a dual-port band-pass design and utilising a single 8" drive-unit the **EIDOS 108S** can faithfully reproduce the lower frequencies down to 38Hz and up to a peak SPL of 118dB.

All Eidos subwoofers can accurately reproduce the bottom end of the audio spectrum, and are sufficiently dynamic to reproduce all types of music. Performance is very high thanks to the selection and design of the correct components, but also to the careful choice and optimisation of the loading techniques that different enclosures require.

## INSTALLATION SERIES

The cabinets are built in sturdy phenolic glued 15mm Baltic birch plywood, that is resistant to damp, even in outdoor applications. Inside, the cabinets bracing as well as the long tuning ports which act as additional rigidity stiffens the panels to avoid vibration. The external finish is in high quality scratch-resistant black paint. The front of the cabinet is protected by an anti-resonant steel grille covered with sound-transparent foam. There are a number of M8 flying points, enabling EIDOS subwoofers to be easily fitted with flying hardware.



		EIDOS 215 S	EIDOS 118 S	EIDOS 108 S
<b>FREQUENCY RESPONSE</b>	-10 dB	32 Hz ÷ 2.4 kHz	30 Hz ÷ 280 Hz	36 Hz ÷ 160 Hz
	± 3 dB	42 Hz ÷ 2 kHz	38 Hz ÷ 160 Hz	40 Hz ÷ 130 Hz
<b>SUGGESTED CROSSOVER</b>		max 150 Hz	max 120 Hz	max 100 Hz
<b>DISPERSION</b>		Quasi-Omnidirectional	Quasi-Omnidirectional	Quasi-Omnidirectional
<b>IMPEDANCE</b>	Nom (min)	4 Ω (3 Ω @ 41 Hz)	8 Ω (5.7 Ω @ 36 Hz)	4 Ω (4.0 Ω @ 180 Hz)
<b>SENSITIVITY</b> (dB SPL @ 1m, 1W, half-space)		103 dB SPL	101 dB SPL	96 dB SPL
<b>POWER - W AES</b>	Cont.	1200 W	1200 W	200 W
	Peak	4800 W	4800 W	1000 W
<b>MAX SPL @ 1m, free-field (calculated)</b>	RMS	134 dB SPL	131 dB SPL	119 dB SPL
	Peak	140 dB SPL	137 dB SPL	126 dB SPL
<b>TRANSDUCERS &amp; LOADING</b>	LF	2 x 15" high-pass loaded woofers	1 x 18", Band-pass	1 x 8" woofer, dual port band pass system
<b>CONNECTORS</b>		1 x NL4	1 x NL4	1 x NL4
	LF	pin 1+ (pos); pin 1- (neg)	pin 1+ (pos); pin 1- (neg)	pin 1+ (pos); pin 1- (neg)

<b>WEIGHT</b>		54.4 kg (119.9 lb)	51.5 kg (113.5 lb)	20.5 kg (45.2 lb)
<b>DIMENSIONS</b>	H	45.0 cm (17.7")	39.6 cm (15.6")	25.0 cm (9.84")
	W	94.0 cm (37.0")	84.0 cm (33.0")	55.0 cm (21.65")
	D	68.0 cm (26.8")	77.0 cm (30.3")	50.0 cm (19.69")
<b>SHIPPING WEIGHT</b>		57.0 kg (125.7 lb)	56.0 kg (123.5 lb)	45.0 kg (99.2 lb)
<b>SHIPPING DIMENSIONS</b>	H	46.0 cm (18.1")	41 cm (16.1")	59.5 cm (23.43")*
	W	95.0 cm (37.4")	85 cm (33.5")	59.5 cm (23.43")*
	D	71.0 cm (28.0")	78.0 cm (30.7")	59.5 cm (23.43")*

\* 2-unit package

## INSTALLATION SERIES