

EDGE-SB10P21

LOUDSPEAKERS

Compact Powered 2.1 Subwoofer



PRODUCT OVERVIEW

EDGE-SB10P21 is an ultra-compact, powered 2.1 device that combines a powered subwoofer and a stereo amplifier for full-range external speakers or "satellites" within a single enclosure. It also includes several additional components to control and process the audio signal. This device delivers powerful bass sound in a compact size, making it ideal for small spaces such as underneath restaurant seats or wall-mounted in a corner using the included bracket.

KEY FEATURES

- 10" powered subwoofer integrated into the enclosure, 120 WRMS
- 2x 100 W RMS @4Ω amplified power output.
- Euroblock connectors for external speakers ("satellites").
- Stereo audio input with RCA and Euroblock connectors.
- Adjustable subwoofer cut-off frequency: low-pass filter frequency between 50Hz to 250Hz.
- Selectable Auto-standby.
- Subwoofer phase switch.
- MASTER VOL and SUB VOL level controls.
- Available in black colour (RAL9005).
- Several installation options (flat tabletop, underneath seats, vertical, wall mounted with the included bracket...).
- [EASE files available](#)



APPLICATIONS

- Retail
- Hospitality
- Corporate
- Leisure
- Sports and Wellness

TECHNICAL SPECIFICATIONS

EDGE-SB10P21

SYSTEM		
	Effective Freq. Range ¹	23Hz - 465Hz (-10dB)
	Power handling	120W RMS / 480W Peak
		EXT.OUT: 4 Ω : 2*100W RMS, 8 Ω : 2*50W RMS
	Sensitivity ²	95dB (1W/1m)
	Maximum SPL ³	116dB continuous / 121dB peak
TRANSDUCERS		
	Ways	Subwoofer
	Low frequency driver	10" woofer
	Nominal impedance	4 Ω -8 Ω
FILTERS		
	Low-Pass filter selector	50Hz to 250Hz variable low pass filter
	Crossover filter	No
PHYSICAL		
	Connection type	RCA & Euro Terminal Block
	Installation options	Surface, Wall mounting
	Enclosure material	MDF
	Mounting system	Wall support system & Supports-legs
	Operating temperature	Min: -20°C ; -4°F
		Max: 70°C ; 158°F
	Operating humidity	<85% HR
	Storage temperature	Min: -20°C ; -4°F
		Max: 70°C ; 158°F
	Storage humidity	<90% HR
	Included accessories	Wall support system / Supports-legs / RCA-RCA cables / Euroblocks
	Finished colour	Black (RAL 9005)
	Dimensions (WxHxD)	635 x 181 x 414 mm / 25 x 7.13 x 16.30 in.
	Weight	10.35 Kg / 22.82 lb
	Pieces per box	1 piece
	Shipping dimensions (WxHxD)	760 x 260 x 525 mm / 29.92 x 10.24 x 20.67 in.
	Shipping weight	12,9 Kg / 28.44 lb
POWERED		
	Power	120W RMS / 480W Peak
	Audio inputs	RCA
	Audio outputs	Euro Terminal Block
	Powered outputs	40hm: 2*100W RMS, 80hm: 2*50W RMS
	THD + Noise	$\leq 0.1\%$
	Signal Noise Ratio	>80dB
	Input sensitivity	- 10dB
	CMRR	Line
	Volume control	$-\infty$ -+10dB



Tone control	50Hz-250Hz
LED Indicators	ON/STBY: Green on working status, Orange on Standby status SIGNAL: Green when signal is received
Mains	110-240VAC 50/60Hz
Auto standby time	180 seg
Auto standby threshold	-45dB
Power consumption	0.6 kWh
Power consumption standby	<13W

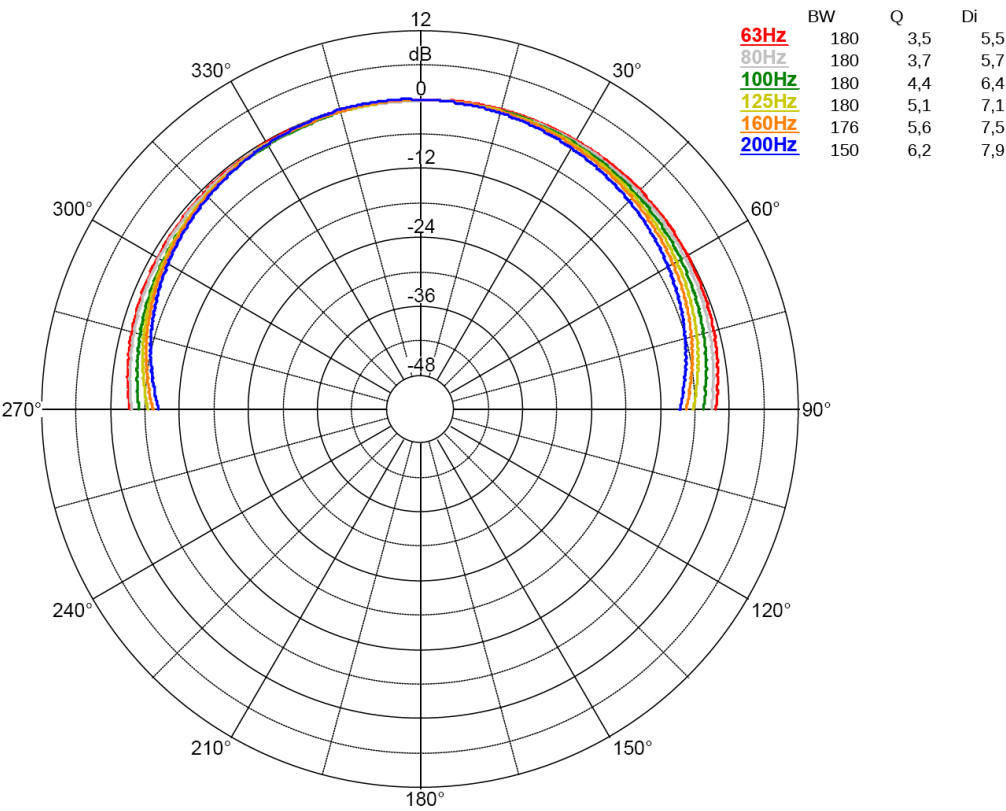
¹ Below the sound pressure level at specified sensitivity

² Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 1 kHz.

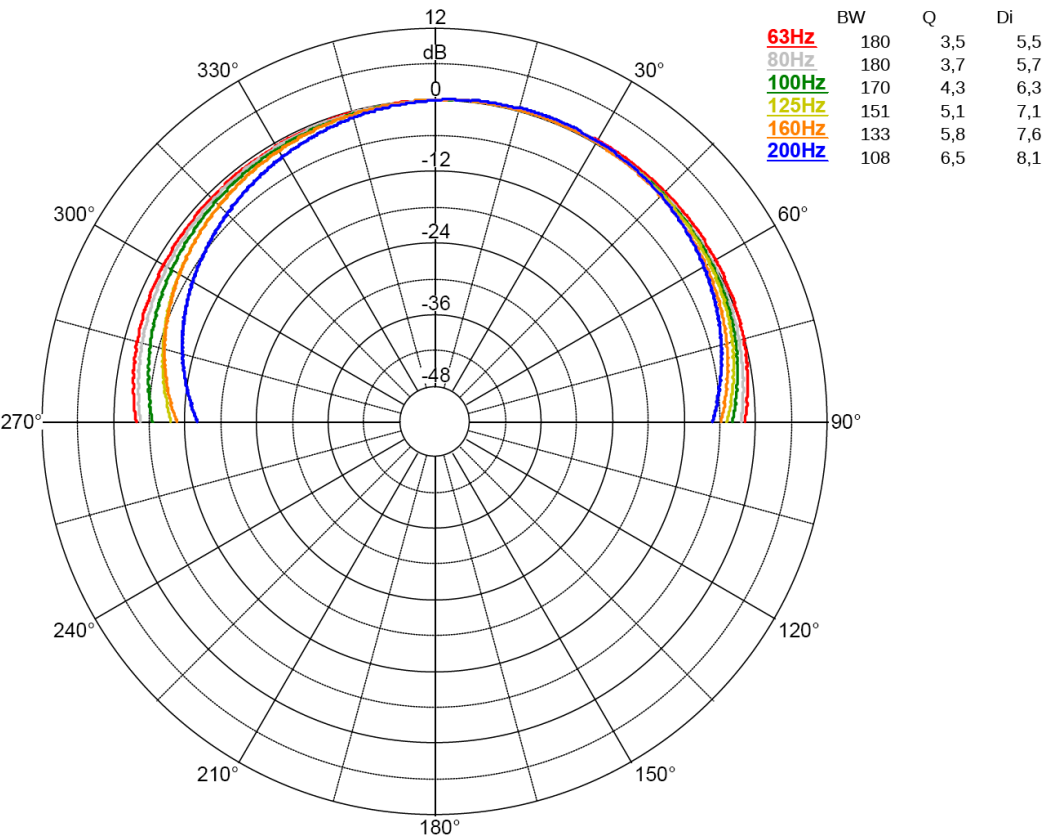
³ Calculated from sensitivity and power handling specifications, exclusive of power compression

FREQUENCY RESPONSE ON-AXIS

Horizontal



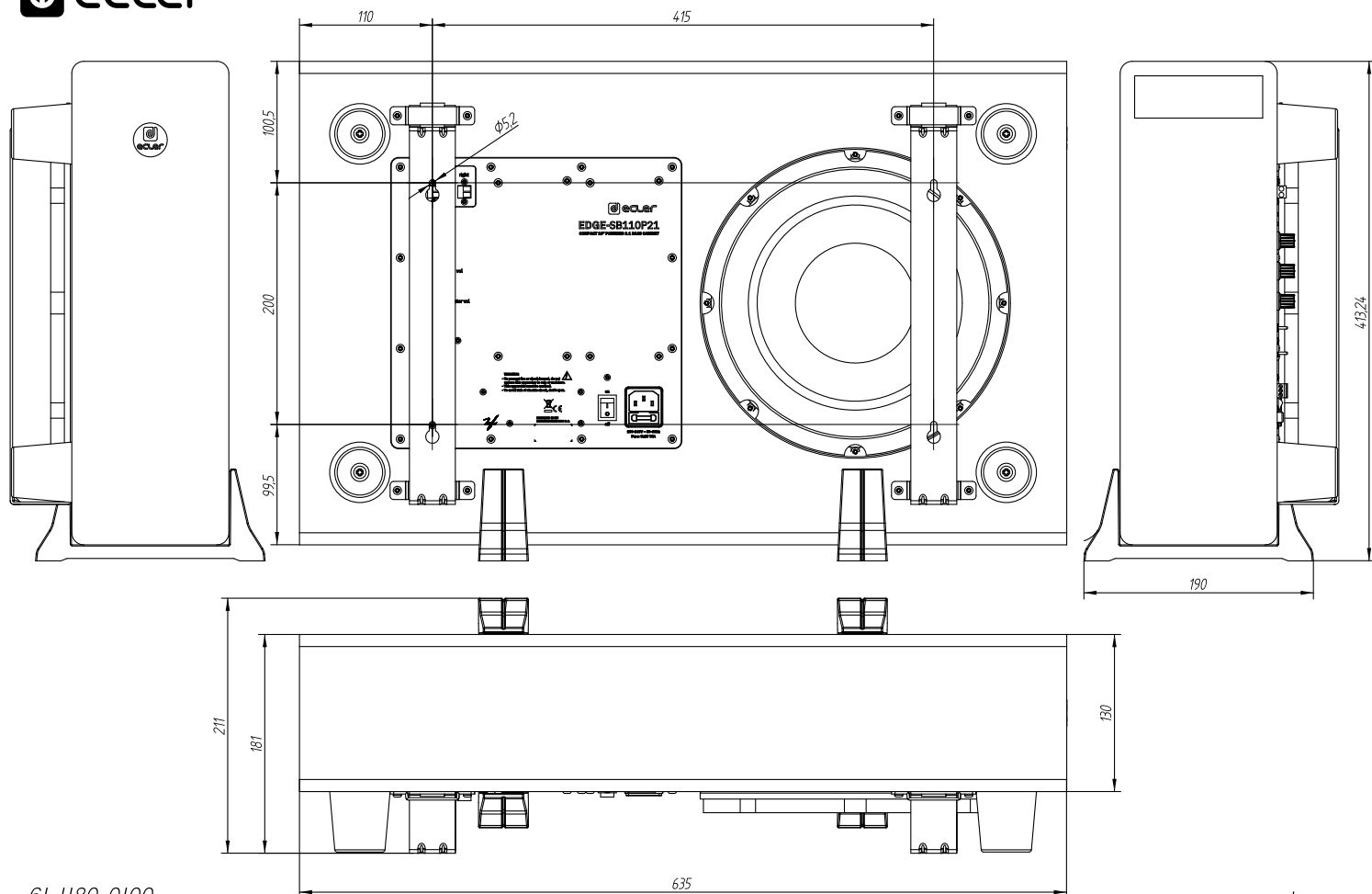
Vertical



MECHANICAL DIAGRAM



Ecler EDGE-SB10P21 Mechanical Diagram



6I-1180-0100

www.ecler.com

A&E SPECIFICATIONS

The loudspeaker shall be an ultra-compact powered subwoofer system integrating a 10" low-frequency transducer and a stereo amplifier for external full-range satellite speakers. The unit shall deliver a subwoofer output of 120W RMS and include two amplified outputs of 2 × 100W RMS at 4Ω (or 2 × 50W RMS at 8Ω) for satellite speakers.

The system shall include stereo audio inputs via RCA and Euroblock connectors, and Euroblock outputs for satellite connections. It shall feature adjustable subwoofer cut-off frequency via a variable low-pass filter ranging from 50Hz to 250Hz, a subwoofer phase switch, and independent MASTER VOL and SUB VOL level controls.

The enclosure shall be constructed from MDF and finished in black (RAL 9005). Installation options shall include tabletop, under-seat, vertical, and wall-mounted configurations using the included bracket system. The unit shall include RCA-RCA cables and Euroblock connectors.

The loudspeaker shall have a frequency response of 23Hz to 465Hz (–10dB), a sensitivity of 95dB (1W/1m), and a signal-to-noise ratio greater than 80dB. Total harmonic distortion plus noise shall not exceed 0.1%. Input sensitivity shall be –10dB.

The unit shall operate within a temperature range of –20°C to 70°C and humidity below 85% HR. Storage conditions shall allow up to 90% HR. Dimensions shall be 635 × 181 × 414 mm (25 × 7.13 × 16.30 in.), with a net weight of 10.35 kg (22.82 lb).

The system shall include LED indicators for ON/STBY and SIGNAL status, and support auto-standby mode after 180 seconds of inactivity below –45dB. Power consumption shall be 0.6 kWh in operation and less than 13W in standby. The unit shall operate on 110–240VAC, 50/60Hz mains supply.

The product shall be the ECLER EDGE-SB10P21.



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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