Passive Sound Reinforcement

MAIN APPLICATIONS

- Bars, pubs & clubs
- Restaurants
- Retail shops
- Entertainment venues
- Fitness centres
- Exhibition centres
- Conference rooms
- Theatres
- Houses of worship

MAIN FEATURES

- 2-way passive sound reinforcement system
- 0.59” baltic birch plywood cabinet
- 1 x 10” custom custom designed high excursion LF woofer
- 1 x 1” custom designed HF compression driver
- Rotatable horn
- 350W continuous pink noise / 700W continuous program / 1400W peak
- Full-range / Bi-amp crossover networks with protection
- Optional line transformer (200W)
- 12 x M10 threaded rigging points
- 1 x 4 Euroblock terminal speaker connector / 2 x Neutrik NL-4 speakon
- Choice of different RAL paint colours and different paint finish
- Completely manufactured in Italy

DESCRIPTION

The loudspeaker shall consist of a 10” low-frequency transducer and a 1” HF dome tweeter; the low-frequency driver’s voice coil shall be 2.5” in diameter. The loudspeaker shall be set up in full-range mode or bi-amp mode. Performance specifications of a typical unit shall be as follows: usable frequency response shall extend from 60Hz to 18kHz; nominal impedance shall be 8 ohms; the frequency dividing network shall have a crossover frequency of 1.8kHz; measured sensitivity shall be at least 97dB (at 1m [3.3ft]). The input shall be switchable for use either at nominal 8 ohms or on a 100V distributed speaker line via transformer (optional). The HF driver shall be horn-loaded to cover 80 degrees horizontal by 50 degrees vertical (rotatable horn). The cabinet shall be constructed of 0.59” baltic birch plywood covered in a scratch- and scuff-resistant black or white finish. The enclosure shall be fitted with threaded inserts to allow for a variety of mounting methods.

TECHNICAL SPECIFICATIONS

GENERAL

Code		36253
Configuration	way	2
Low frequency woofer	inch	10 -2.5 coil
High frequency driver	inch	1 - 1.7 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	60 - 18k
MAX SPL (cont/peak) (bi-amp)*	dB	125 / 129
Dispersion	H° x V°	80 x 50
Sensitivity (@1W/1mt)	dB	97
Crossover frequency	Hz	1.8k
Recommended HP filter	Hz - dB oct	45 - 24
Recommended ext. filter		Digital / preset

INPUTS & OUTPUTS

Connectors		4-pin Euroblock / 2 x Speakon

AMPLIFIER

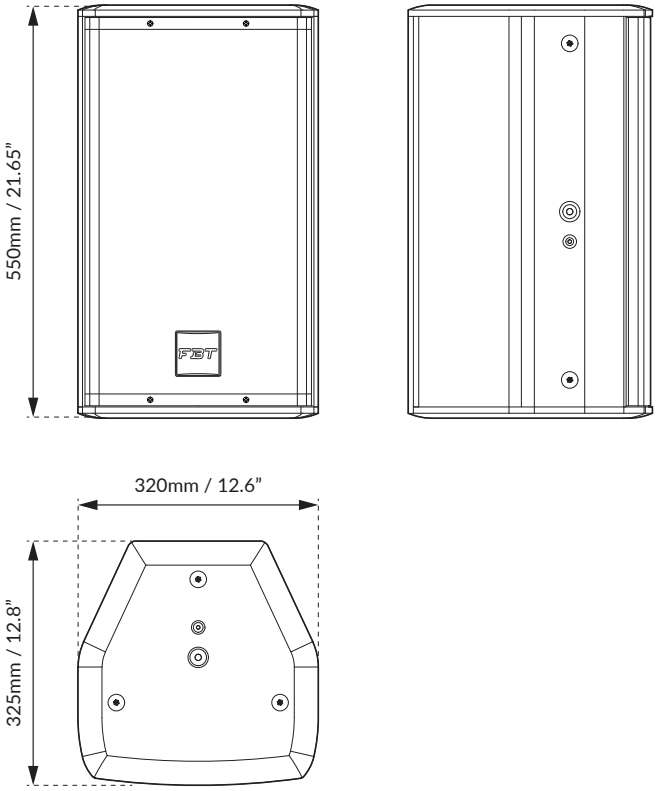
Recommended amplifier	W RMS	700
Transformer (optional)	V / W	100 / 200 - 100
Long term power	W	350
Short term power (IEC 268-5)	W	1400
Nominal impedance	Ohm	8

MECHANICAL SPECIFICATIONS

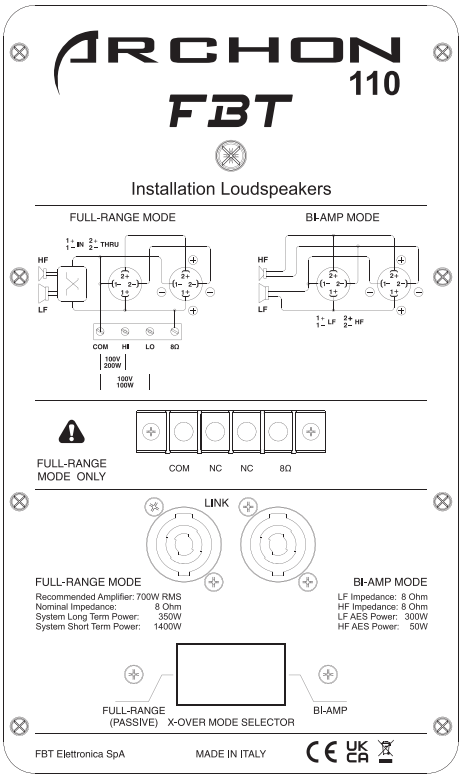
Material	Cabinet	0.59” baltic birch plywood
	Net	Steel
Net size (WxHxD)	mm	320 x 550 x 325
	inch	12.59 x 21.65 x 12.79
Transport dimensions (WxHxD)	mm	425 x 660 x 395
	inch	16.73 x 26 x 15.55
Net weight	kg	19
	lb	41.9
Transport weight	kg	21.5
	lb	47.4

* CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average
PEAK SPL: free space, based on short term applicable power rating and system peak sensitivity, 10mS time average

DIMENSIONAL DRAWING



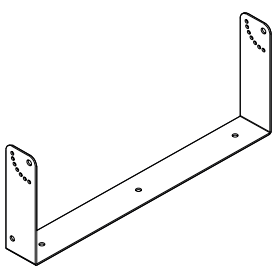
CONTROL PANEL



	FULL-RANGE	BI-AMP (LF)	BI-AMP (HF)
* Power	350W 8Ω	300W 8Ω	50W 8Ω
X-over freq. 24dB oct	---	HPF 45Hz LPF 1.8kHz	HPF 1.8kHz

The table shows the power outputs, measured in accordance with the AES standard, that are acceptable by the loudspeaker in FULL-RANGE mode or by the individual drivers in BI-AMP mode.
*2 hours, pink noise with crest factor 2, applied RMS voltage corresponding to the impedance of the speaker in full-range mode, or of the driver in bi-amp mode.

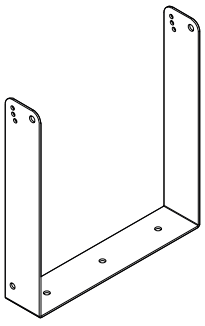
ACCESSORIES



AC-U 110H

Horizontal Wall Bracket
Black code: 36326

557 x 70 x 223mm
21.92 x 2.75 x 8.77inch



AC-U 110V

Vertical Wall Bracket
Black code: 36329

327 x 70 x 359mm
12.87 x 2.75 x 14.13inch

DIAGRAMS