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 12” custom custom designed high excursion LF woofer
- 1 x 1.4” custom designed HF compression driver
- Rotatable horn
- 500W cont. pink noise / 1000W cont. program / 2000W peak
- Full-range / Bi-amp crossover networks with protection
- Optional line transformer (300W)
- 12 x M10 threaded rigging points
- 1x4 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 12” low-frequency transducer and a 1.4” HF dome tweeter; the low-frequency driver’s voice coil shall be 3” 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 50Hz to 18kHz; nominal impedance shall be 8 ohms; the frequency dividing network shall have a crossover frequency of 1.6kHz; measured sensitivity shall be at least 99dB (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 70 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		36254
Configuration	way	2
Low frequency woofer	inch	12 - 3 coil
High frequency driver	inch	1.4 - 2.5 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	50 - 18k
MAX SPL (cont/peak) (bi-amp)*	dB	129 / 133
Dispersion	H° x V°	70° x 50°
Sensitivity (@1W/1mt)	dB	99
Crossover frequency	Hz	1.6k
Recommended HP filter	Hz - dB oct	40 - 24
Recommended ext. filter		Digital / preset

INPUTS & OUTPUTS

Connectors		4-pin Euroblock / 2 x Speakon

AMPLIFIER

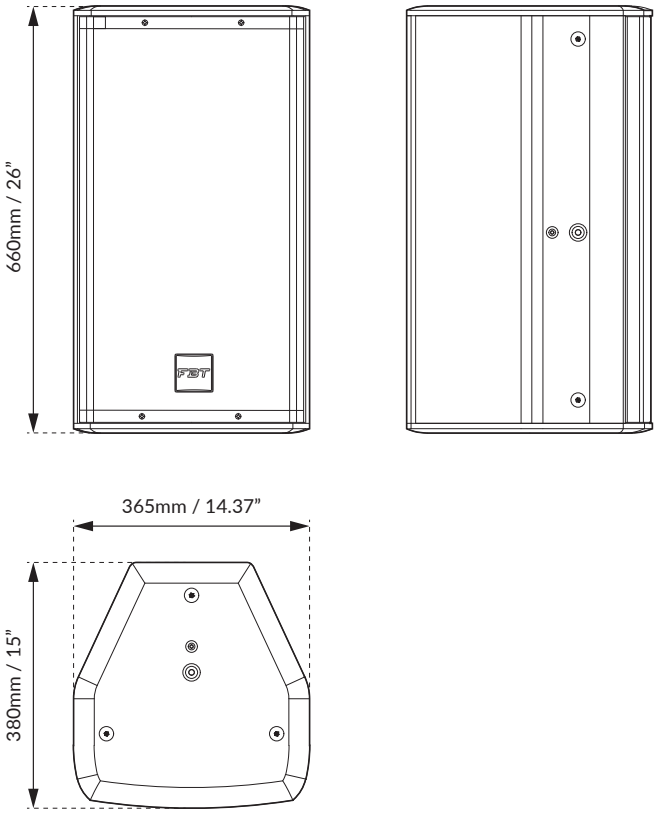
Recommended amplifier	W RMS	1000
Transformer (optional)	V / W	100 / 300
Long term power	W	500
Short term power (IEC 268-5)	W	2000
Nominal impedance	Ohm	8

MECHANICAL SPECIFICATIONS

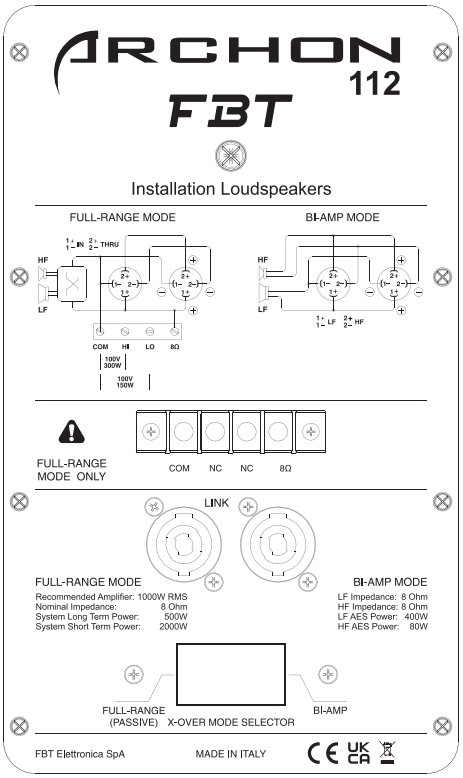
Material	Cabinet	0.59” baltic birch plywood
	Grille	Steel
Net dimensions (WxHxD)	mm	365 x 660 x 380
	inch	14.37 x 26 x 15
Transport dimensions (WxHxD)	mm	495 x 765 x 470
	inch	19.49 x 30.12 x 18.50
Net weight	kg	25.40
	lb	55.99
Transport weight	kg	28.50
	lb	62.83

* 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



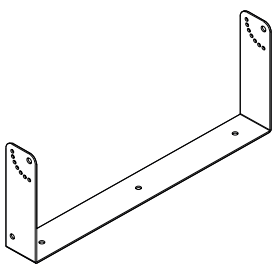
CONTROL PANEL



	FULL-RANGE	BI-AMP (LF)	BI-AMP (HF)
* Power	500W 8Ω	400W 8Ω	80W 8Ω
X-over freq. 24dB oct	---	HPF 40Hz LPF 1.6kHz	HPF 1.6kHz

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.

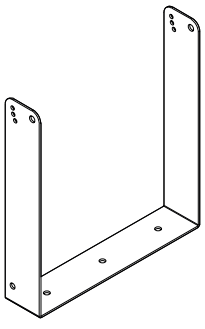
ACCESSORIES



AC-U 112H

Horizontal Wall Bracket
Black code: 36327

557 x 70 x 223mm
21.92 x 2.75 x 8.77inch
2 kg / 4.40 lb



AC-U 112V

Vertical Wall Bracket
Black code: 36330

327 x 70 x 359mm
12.87 x 2.75 x 14.13inch
2 kg / 4.40 lb

DIAGRAMS