

All Weather Speaker

MAIN APPLICATIONS

- Theme and Amusement parks
- Outdoor Entertainment centers
- Multipurpose indoor/outdoor venues
- Background music
- Athletic fields
- Swimming pools
- Convention centers
- Cruise ships
- Stadium - Arenas

MAIN FEATURES

- 2-way
- Sturdy molded polyethylene curved enclosure
- 12" coaxial woofer with 2.5" coil
- 1" HF driver with 1.7" coil
- 100V line transformer
- Standard black finish
- IP55 weather resistant
- 4 wires cable to select the power tapping
- Designed and engineered in Italy

DESCRIPTION

The FBT SHADOW 112CT - EN is a weatherproof coaxial two way loudspeaker system offering substantial power and efficiency for a variety of professional indoor or outdoor applications. The low frequency transducer is a 12" woofer with a 2.5" voice coil. The high frequency section is a 1" driver with 1.7" voice coil on conical 80° horn. The FBT SHADOW 112CT - EN features a standard 100V line transformer with selectable power tapping. The cabinet is a single piece rotational moulded in polyethylene, fully UV protected. The FBT SHADOW 112CT - EN is internal equipped with ceramic terminal block and thermal fuses ensuring the continued operation of loudspeakers in the event of a fire; in addition all connections use flame-retardant cabling which adheres to the EN50200 standard (with IP68 airtight cable glands). The cabinet is equipped with a stainless steel U-bracket and one security anchoring point located at the rear of the loudspeaker. The grille is in custom perforated stainless steel with 3 layers of protection. The FBT SHADOW 112CT - EN meets the requirements of IP55 code (International Protection Rating).

TECHNICAL SPECIFICATIONS

GENERAL

Configuration	way	2
Low frequency woofer	inch	12 - 2.5 coil
High frequency driver	inch	1 - 1.7 coil

ACOUSTIC SPEC.

Frequency response	(@-6dB)	68Hz - 20kHz
Crossover frequency	kHz	1.6kHz
Sensitivity (@1W,1m)	dB	97.5
MAX SPL (1mt / 4mt)	dB	120 / 108
Dispersion horizontal (-6dB)	500Hz	100°
	1kHz	90°
	2kHz	80°
	4kHz	50°
Dispersion vertical (-6dB)	500Hz	100°
	1kHz	90°
	2kHz	80°
	4kHz	50°
Recommended HP filter	Hz - dB oct.	50 - 24

INPUTS & OUTPUTS

Connectors		4 wire cable
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EN 54-24:2008

**CERTIFICATE OF COSTANCY OF
PERFORMANCE - TYPE B**
nr. 0068/CPR/067-2019

IP55 

ATTESTATION OF CONFORMITY
nr. CPR/181446_1-1-2019
EN 60529:1991-10

Declaration of Performance (DoP) available on the website www.fbt.it

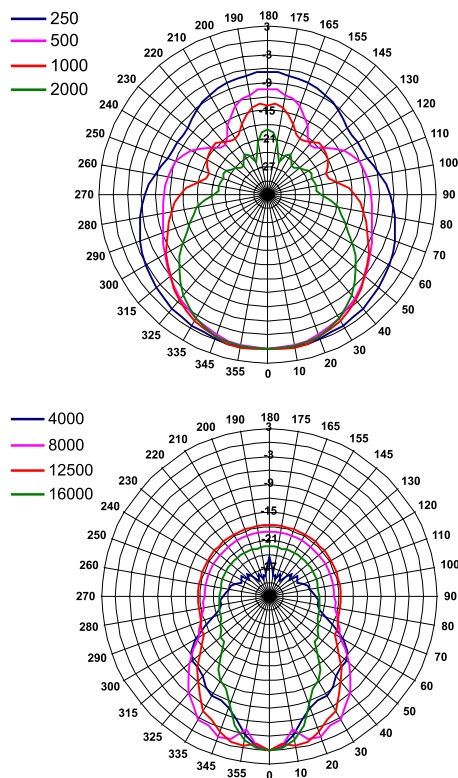
AMPLIFIER

Transformer	V / W	100 / 200 - 100
Recommended amplifier	W RMS	400
Rated noise power 100hrs 40V	W	200
Short term power (IEC 268-5)	W	800
Nominal impedance	Ohm	8
Nominal impedance (100V line)	Ohm (W)	50 (200) 100 (100)
Operating / storage temperature	°C	-25 to +55 / -40 to +70
Relative umidity		<95%

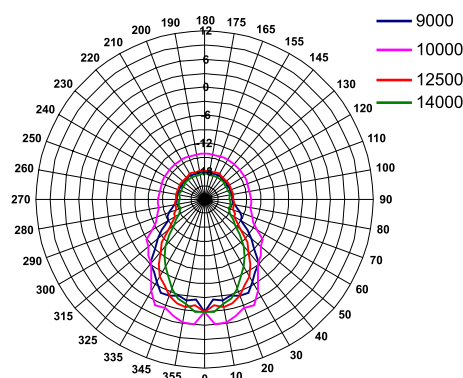
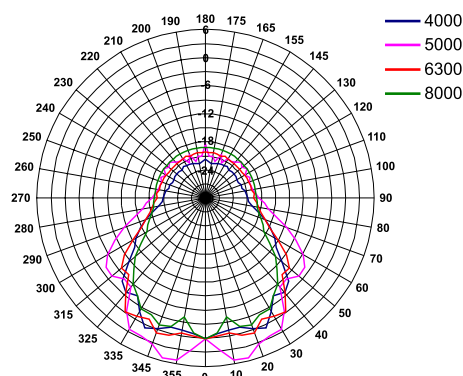
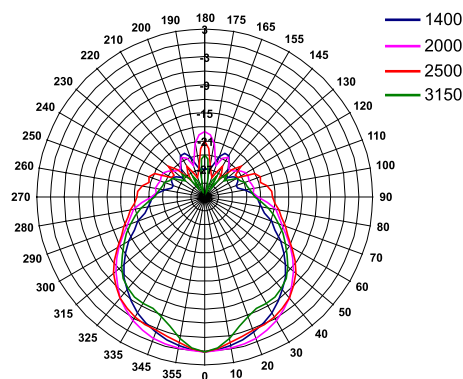
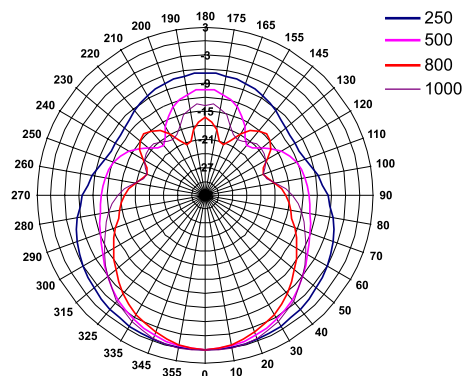
MECHANICAL SPEC.

Material		Polyethylene rotomoulded
Net dimensions (WxHxD)	mm inch	430 x 430 x 419 16.92 x 16.92 x 16.49
Transport dimensions (WxHxD)	mm inch	582 x 582 x 507 22.91 x 22.91 x 19.96
Net weight	kg lb	18.1 39.9
Transport weight	kg lb	23 50.70

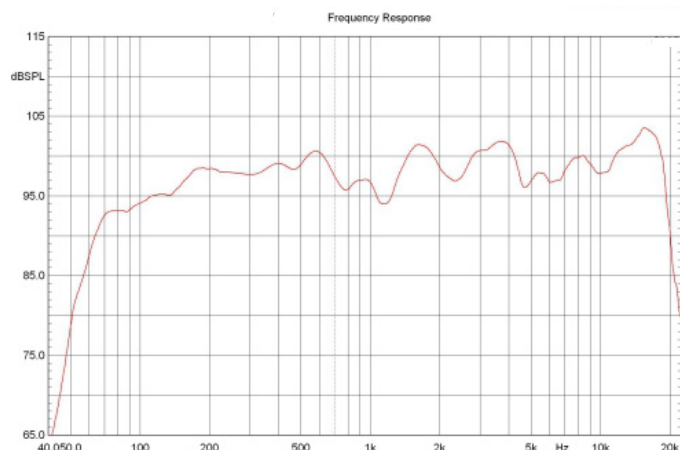
HORIZONTAL POLAR DIAGRAM



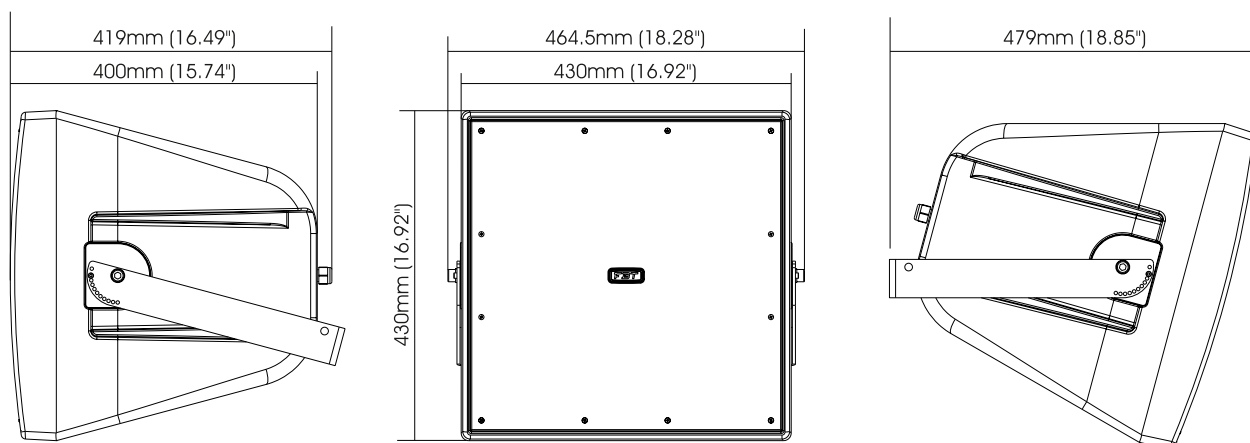
VERTICAL POLAR DIAGRAM



FREQUENCY RESPONSE DIAGRAM



DIMENSIONAL DRAWING



INCLUDED ACCESSORY

