

XTD88

XTD88/A

Deflector Line



2-way loudspeaker systems

GENERAL INFORMATION

Extremely compact full range two-way loudspeaker systems, equipped with a very extended frequency response and excellent power handling (capable of generating pressures above 120 dB). They are particularly suitable for diffused and high-quality sound reinforcements or they can be used as compact monitors.

COMPONENTS

The XTD88 model contains two 8" neodymium woofers, highly powered and treated with waterproofing resins. The tweeter consists of constant directivity horn with 90°x40° dispersion, together with a 1" compression driver with Mylar membrane. Thanks to a special clamp holding the AWSH™ in the cavity opposite the speaker, it is possible to rotate the mid-high section (horn+drive+panel) by 90°, thereby allowing constant coverage. The crossover filter has been made using highly professional components such as air coils, high isolation condensers and shielded resistance with high dissipation.

CABINET

The speaker enclosure, built in birch plywood, is designed with the same technology used for bigger sound systems and can withstand any type of mechanical stress, without vibrating.

VERSIONS

The XTD88/A self-powered version is available, with a switching technology amplifier of 500 W; the inside DSP (*Digital Signal Processor*) permits to select 2 possible high-pass cuts through a switch placed on the back panel.

TECHNICAL FEATURES

System configuration (XTD88)	2-way loudspeaker system
System configuration (XTD88/A)	2-way active speaker
Power handling RMS	550 W
Power handling Music	1100 W
Power handling Peak	2200 W
Frequency response (-3 dB)	65±20k Hz
Nominal impedance (XTD88)	8 Ohm
Dispersion angle (-6dB)	90° horiz., 40° vert.
Axial sensitivity (1W@1m)	96 dB
Continuous SPL (@1m)	123 dB
Peak SPL (@1m)	129 dB
Crossover frequency (XTD88)	2.5k Hz

Amplifier data (XTD88/A)

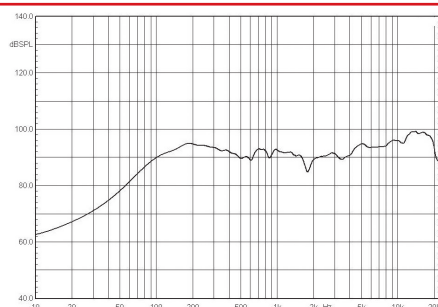
Input	max +10 dBu - XLR, loop output
Front panel indicators	LED: power, signal/limit
Input impedance	5.5 kOhm unbal., 11 kOhm bal.
DSP Processing	24 bit/96kHz (2 select. preset)
Output power rating (LF+HF)	500 WRMS @80hm - class D
Power supply	switching technology
THD	<0.05% @1 kHz -3 dB output
AC power connector	Neutrik PowerCon
AC voltage	115/230 V ~ 45/65 Hz ± 10%

Transducers

LF sub system	2x8" neodymium
Nominal impedance	16 Ohm
Nominal power handling	250 W
Sensitivity (1W@1m)	94 dB
HF sub system	1x1"
Diaphragm	DOME, mylar
Voice coil	1.4", aluminium
Throat diameter	1"
Nominal impedance	8 Ohm
Nominal power handling	50 W
Sensitivity (1W@1m)	106 dB
HORN	AWSH™
Material	aluminium
Manufacturing process	die casting

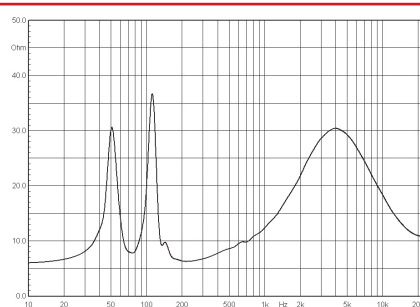
All measurements have been taken in the Sound Corporation research laboratories.

Frequency response

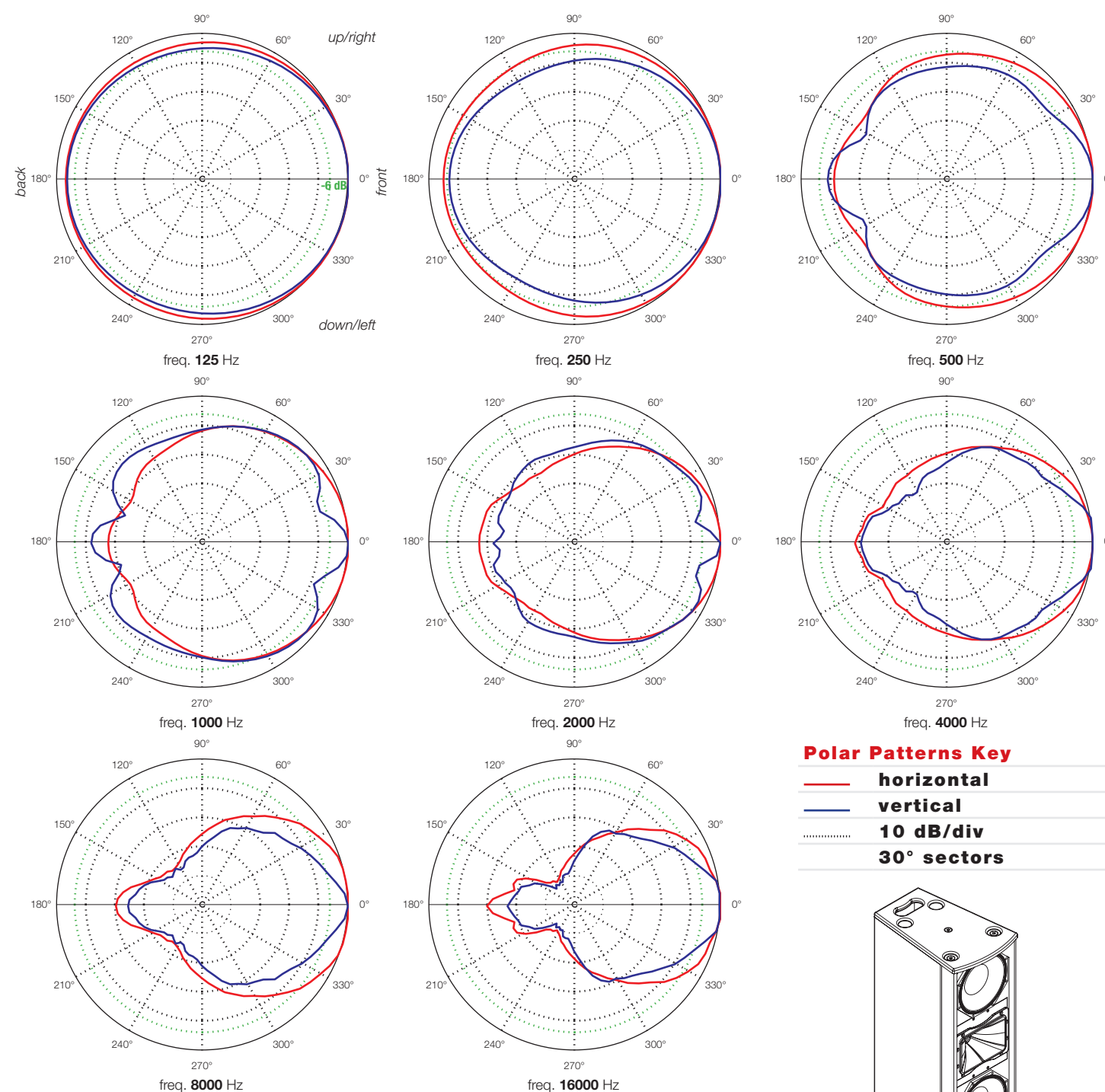


In compliance with European Standards **CE** - Certified by Italian Quality Institute

Impedance response (XTD88)

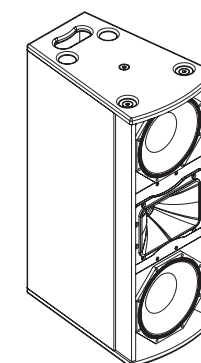


XTD88 POLAR PATTERNS (normalized, ref. on axis, passive X-over)



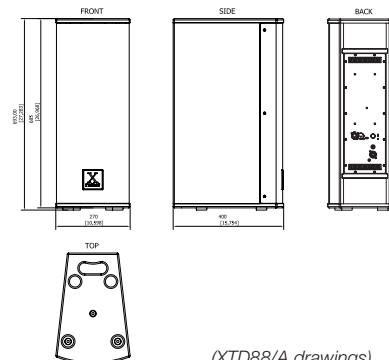
Polar Patterns Key

—	horizontal
—	vertical
.....	10 dB/div
	30° sectors



Physical Description

Input connectors (XTD88)	2xNL4FC speakon
Cabinet	birch plywood
Finish	HDSC™
Suspension system	XT-KITDEF (3 flying tracks)
Dimensions (WxHxD)	270x685x400 mm
Net weight (XTD88)	19.5 kg
Net weight (XTD88/A)	20 kg



(XTD88/A drawings)

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