

XTDS18 XTDS18/A Deflector Line



professional subwoofers

GENERAL INFORMATION

Band-pass subwoofers for low notes reproductions. Suitable for use in very powerful multi-amplified professional systems.

COMPONENTS

The XTDS18 subwoofer includes a 18" neodymium woofer with an enameled copper coil to ensure maximum resistance to thermal overloads. The membrane is water-repellent, resistant to extreme conditions of humidity and temperature. The drop-forged aluminium basket is equipped with a thermal heat sink.

CABINET

The XTDS18 enclosure is made of birch plywood with high density and structural rigidity. The development and the loading section have been optimized according to the loudspeaker parameters to guarantee the maximum total efficiency and response extension. XTDS18 is supplied with crash-resistant protection grids and is lined with an anti-dust and sound transparent sponge.

VERSIONS

XTDS18/A is the self-powered version with DSP (*Digital Signal Processor*) complete with a software designed for managing functions such as gain, EQ, delay, limiter, etc... and to store 4 selectable presets.

TECHNICAL FEATURES

System configuration (XTDS18)	subwoofer
System configuration (XTDS18/A)	active subwoofer
Power handling RMS	1200 W
Power handling Music	2400 W
Power handling Peak	4800 W
Frequency response (-3 dB)	35÷150 Hz
Nominal impedance (XTDS18)	8 Ohm
Axial sensitivity (1W@1m)	99 dB
Continuous SPL (@1m)	130 dB
Peak SPL (@1m)	136 dB
Recom. frequency cut (XTDS18)	90 Hz

Amplifier data (XTDS18/A)

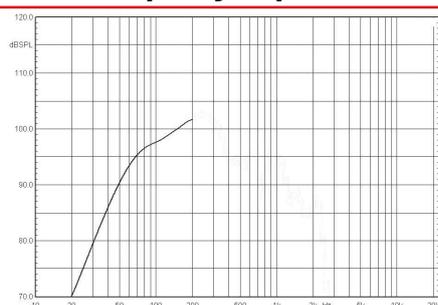
Input	max +10 dBu - XLR, loop output
Front panel indicators	LED: power, signal/limit
Input impedance	5.5 kOhm unbal., 11 kOhm bal.
DSP Processing	24 bit/96kHz (4 select. preset)
Output power rating (LF)	1600 WRMS @16Ohm - class D
THD	<0.05% @1 kHz -3 dB output
AC power connector	Neutrik PowerCon
AC voltage	115/230 V ~ 45/65 Hz ± 10%

Transducers

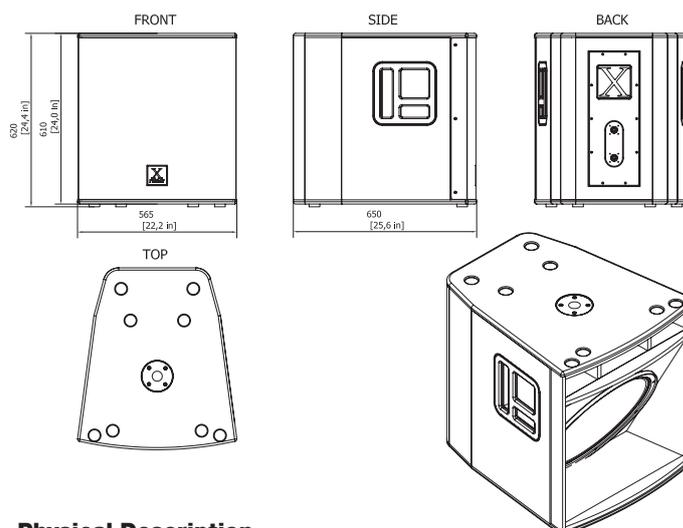
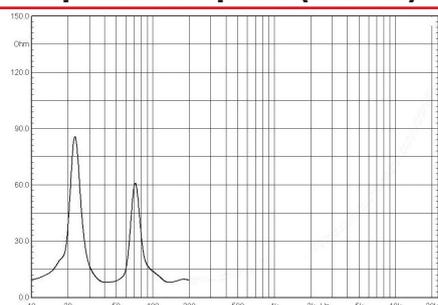
LF sub system	1x18" neodymium
Nominal impedance	8 Ohm
Nominal power handling	1200 W
Sensitivity (1W@1m)	97 dB

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

Frequency response



Impedance response (XTDS18)



Physical Description

Input connectors (XTDS18)	2xNL4FC speakon
Cabinet	birch plywood
Finish	HDSC™
Dimensions (WxHxD)	565x610x650 mm
Net weight (XTDS18)	35 kg
Net weight (XTDS18/A)	36.5 kg

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

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