

XTHPS36

High Power Subwoofers

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“big punch” double subwoofer

GENERAL INFORMATION
XTHPS36 is a double 18” subwoofer designed to produce high quality sound reinforcement at low frequencies for live music and for a wide variety of applications. These subwoofers can be floor-stacked, just piled up. The reproduction capacity of different XTHPS36 elements configured in a horizontal array, depends on the total number of coupled units. In fact, the line array directivity, at a given frequency, is proportional to the length of the array. The pass-band is inversely proportional to the product of the array length and of a given frequency, typically 30-150 Hz for subwoofer applications. In conclusion, a higher number of subwoofers arranged in an array will require greater directivity at low frequencies to ensure a better control on polar dispersion.

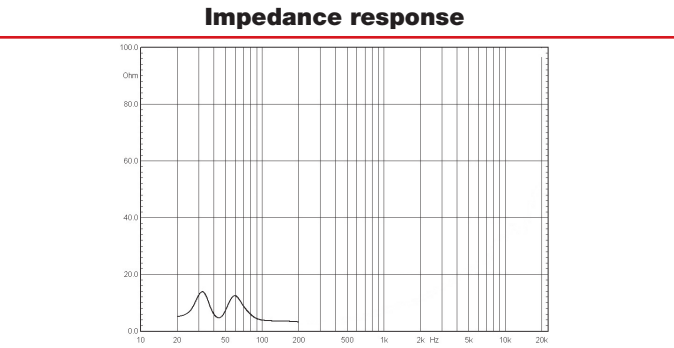
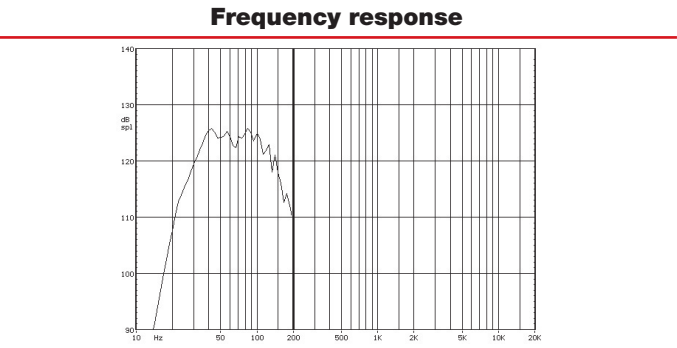
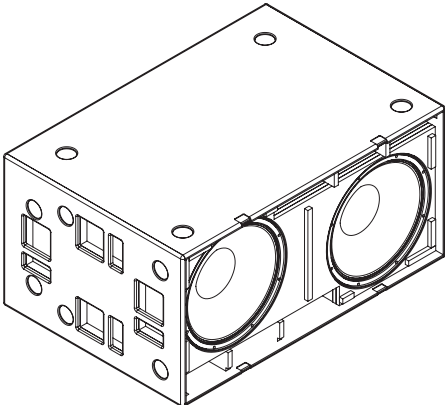
COMPONENTS
XTHPS36 includes a pair of 18” (460 mm) neodymium woofers, with a power handling capacity of 1200 RMS Watt each. Their magnetic complex and suspensions have been designed to achieve the maximum linear range. The components are reflex loaded with mouths on the sides of the loudspeaker system and the internal structure of the cabinet has been designed to minimize energy absorption when very high pressure levels are reached inside.

CABINET
The subwoofer enclosure, made of 0.6” (15 mm) thick birch plywood, can withstand any mechanical stress without vibrating. It has been designed to facilitate horizontal array configurations of different subwoofers. Wheelboard available on request.

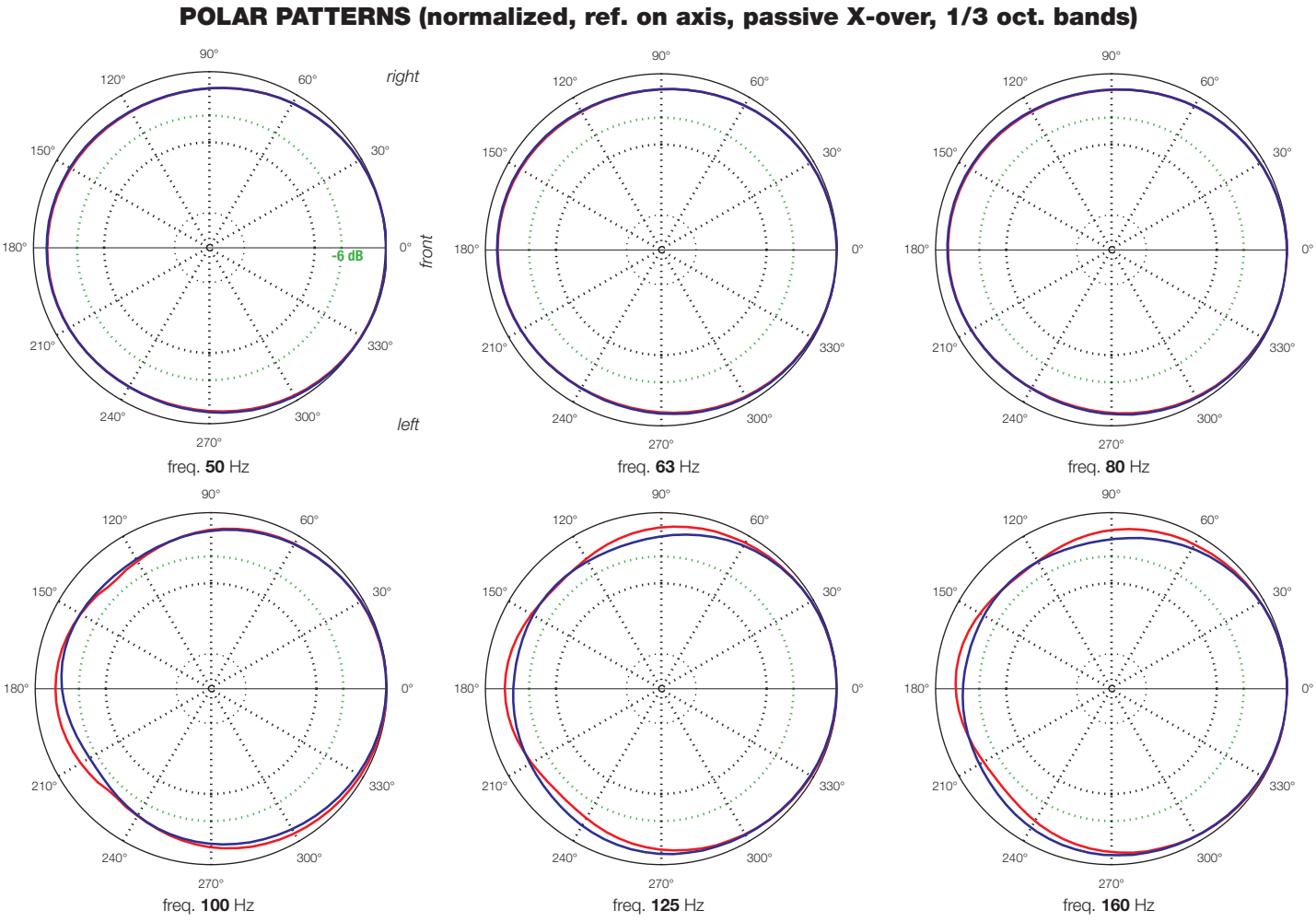
TECHNICAL FEATURES	
System configuration	double subwoofer
Power handling RMS	2400 W
Power handling Music	4800 W
Power handling Peak	9600 W
Frequency response (-3 dB)	30÷150 Hz
Nominal impedance	4 Ohm
Special version	4+4 Ohm
Axial sensitivity (1W@1m)	103 dB
Continuous SPL (@1m)	137 dB
Peak SPL (@1m)	143 dB
Recommended frequency cut	90 Hz

Transducers	
LF sub system	2x18” 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.



In compliance with European Standards - Certified by Italian Quality Institute



Physical Description	
Input connectors	2xNL4FC speakon
Cabinet	birch plywood
Finish	HDSC™
Dimensions (WxHxD)	1170x580x800 mm
Net weight (XTHPS36)	84 kg

Polar Patterns Key	
	horizontal
	vertical
	10 dB/div
	30° sectors

