



- ▶ Suited for outdoor applications, IP65
- ▶ 80° Horizontal, 60° Vertical Coverage
- ▶ 1000W Program
- ▶ Elegant and visually discreet design
- ▶ Black or white fiberglass enclosure
- ▶ Low impedance

Technical Specifications

LF Transducer:	1 x 10" Diameter, 2.5" Voice coil speaker
HF Transducer:	1 x 1" Exit, 1.75" Voice coil compression driver
Nominal Impedance:	8 ohm
Minimum Impedance:	6.1 Ohm @6683Hz
Recommended amplifier power:	500Wrms (89.5Vp)
RMS Power⁽¹⁾:	500W
Program Power⁽²⁾:	1000W
Sensitivity (2.83v @ 1m):	100 dB SPL
Frequency Range⁽³⁾:	66Hz to 19.2kHz (-10dB) 86Hz to 17.3kHz (-6dB)
Recommended High Pass Filter:	Butterworth 24dB/Oct, 50Hz
Horizontal Coverage (-6dB):	80°
Vertical Coverage (-6dB):	60°
IP Rating:	IP65
Enclosure:	Fiberglass
Grille:	Steel, water proof fabric backing
Connection:	Two pole stripped wire: Red(+) & Black(-).
Color:	Black or white.
Rigging:	Wall mounting accessories: WSTB 10 H, for 0° to 45° tilt in 7.5 degrees steps. WSTB 10 V, for continuous +/-90° sideways.
Dimensions (HxWxD):	328x594x461 mm, 12.9x23.4x18.1 in
Net Weight:	19.8kg, 43.6 lb
Included accessories:	WSTB 10 H
Optional accessories:	WSTB 10 V

(1) Based on a 2h power test run with conventional program signal
(2) Conventionally, 3dB higher than the RMS Power
(3) Free Field

Overview

The WFS 500 CX is a passive two way, full range projector type speaker which provides voice intelligibility and musical clarity for outdoor applications such as aquaparks, theme parks, shopping malls, stadiums, train stations or swimming pools, where long distances have to be reached.

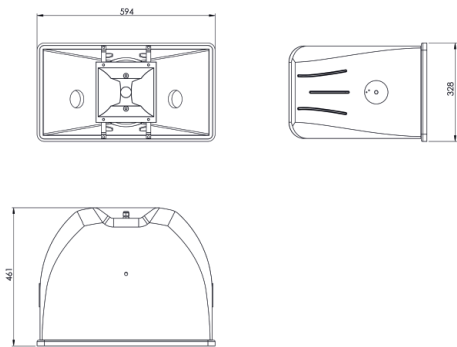
It features one horn loaded 10" diameter transducer, 2.5" voice coil, in a bass reflex enclosure. The high frequencies are reproduced by a 1" exit compression driver, 1.75" voice coil, coupled to a 80° x 60° horn, which provides a consistent coverage over the vocal range.

The fiberglass enclosure has been designed to withstand long term exposure to adverse environmental conditions and is available in black or white finish. The steel grille is internally covered with a protective water repellent fabric which prevents splashed water and dust from damaging the transducers, featuring thereby an IP 65 protection rating. Two wall mounting accessories available. The WSTB 10 H (included) allows for the WFS 500 CX to be tilted from 0° to 45° downwards or upwards in 7.5 degrees steps. The WSTB 10 V (not included) allows for the WFS 500 CX to be aimed up to +/- 90° sideways.

The system also includes 1m of four poles electrical connection cable, which enters the enclosure through a cable gland preventing thereby water, dust or moisture from damaging the low frequency transducer.

Tuning presets to enhance the frequency balance are available on our website.

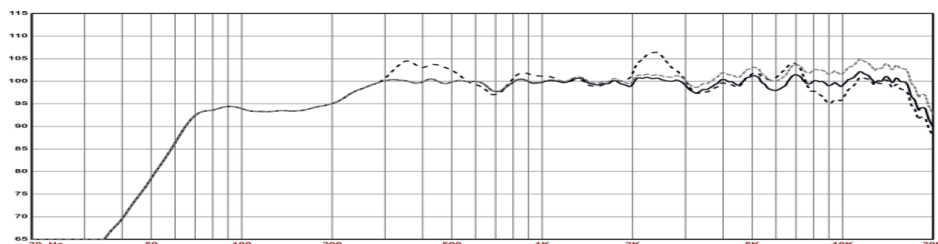
Dimensions



All dimensions in mm

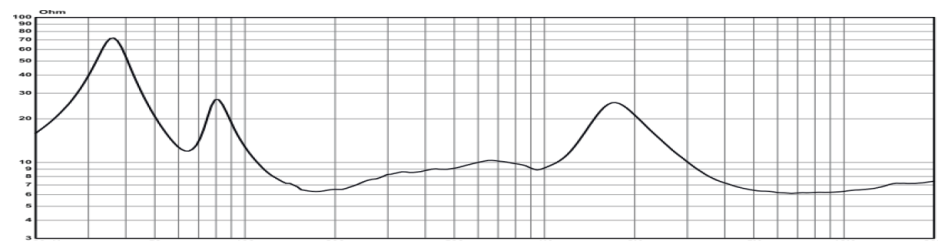
Frequency Response

On axis frequency response of WFS 500 CX driven by a swept sine wave signal at an input level of 2.83v. Measured in an anechoic chamber at 3m, SPL scaled down to 1m. In order to provide a detailed frequency response curve only a 1/6th octave smoothing has been applied. Black Dashed: No EQ. Black Solid: With recommended preset "WFS500CX_F1V1". Grey Dashed: With recommended preset "WFS500CX_Sh+3dBV1".

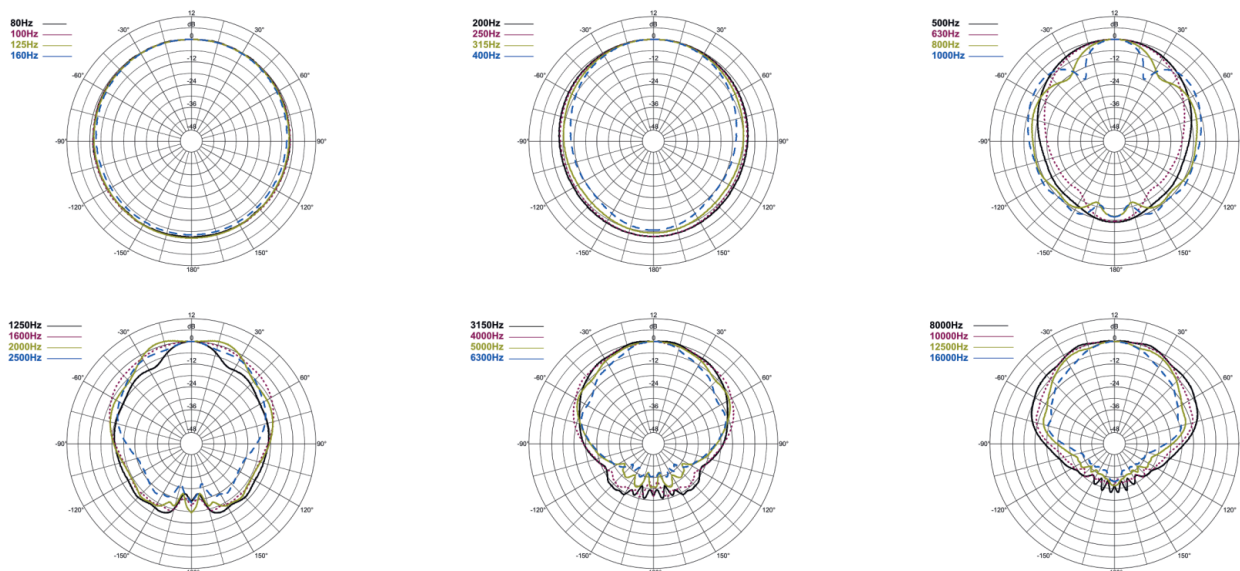


Impedance

Impedance curve of one WFS 500 CX unit measured with a stepped sinusoidal signal. Frequency resolution is 1/24th octave. In order to provide better magnitude resolution at lower impedance values a logarithmic vertical scale has been used.



Horizontal 1/3 Octave Polar Response



Vertical 1/3 Octave Polar Response (Left/Top Right/Bottom)

