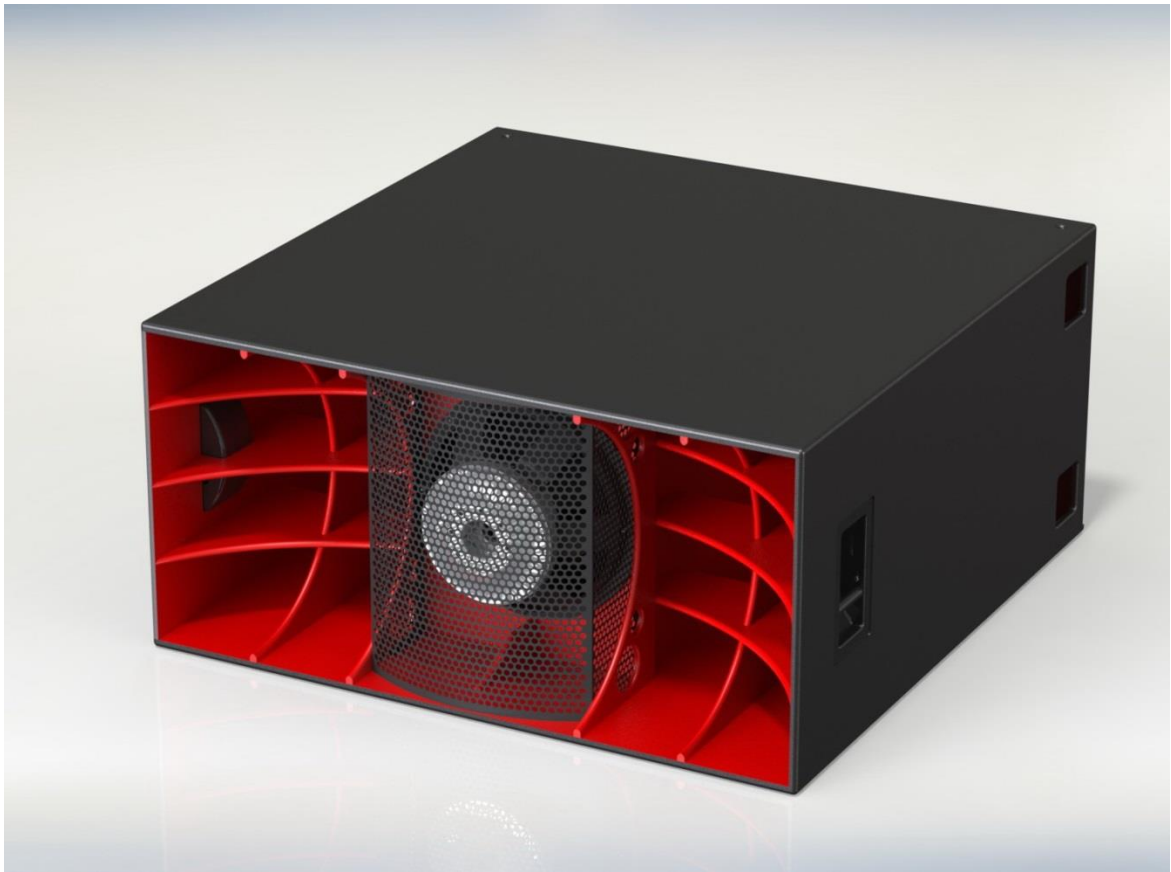


RLH118SX Specifications



Description

- Rear-loaded horn subwoofer enclosure
- 1 x 18'' loudspeakers
- Frequency response down to 36Hz(-3db)Single Subwoofer.

An excellent transient response produces fast high impact bass that is able to reproduce detailed and accurate low frequency details.
2000Wrms Rear-loaded horn subwoofer with one SD 18BX127 loudspeakers characterized with maximum low-frequency output power.



RLH118SX Specifications

LOUDSPEAKER

Subsystem:

<i>Transducer</i>	<i>Loading</i>
LF 1x 18-in cone (5"Voice Coil)	Rear-Loaded Horn

Operating Mode:

<i>Amplifier Channels</i>	<i>External Signal Processing</i>
Single-amp	Low-Cut+High Pass Filter

PERFORMANCE

Operating Range:	36Hz – 150 Hz (- 3 dB) single subwoofer
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Power handling AES* (see the table below)

LF-110.4Vrms(45-100Hz)	2000W
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Axial Sensitivity (2.83V@1m)

LF 106dB	40Hz to 120Hz
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Input Impedance

<i>Nominal</i>	<i>Minimum</i>
LF – 8 ohm (4 Ohm-optional)	6.2Ohm@30Hz

Low-Cut and High Pass Filter

See the table below !

Axial Output SPL @ 1m

<i>Average</i>	<i>Peak</i>
LF 139 dB	145 dB

PHYSICAL

Dimensions 1400x 1400x 680 mm (W,D,H)
Net Weight: 195kg

ORDERING DATA

Description
HL118SX - Red or Black

Optional Accessories

Cover (Single protection for one HL118SX) / 4 x Fi100mm Wheels.



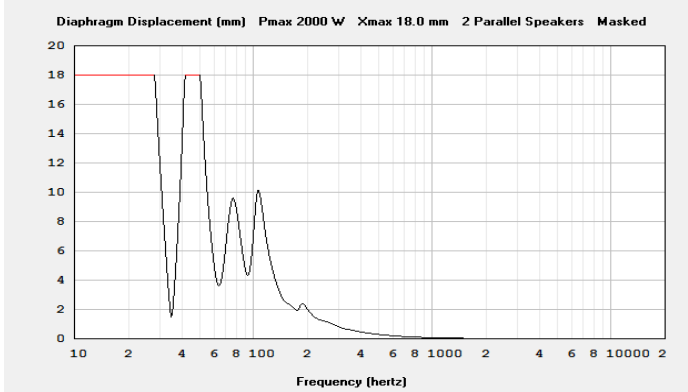
*AES standard: Power Handling is calculated on rated minimum impedance.
The measurement is done using a 45-250 Hz band limited pink noise test signal applied continuously for 2 hours.

RLH118SX Specifications

Recommended power for safety diaphragm displacement Limit

Diaphragm Displacement Limit (Peak-Peak) vs. Frequency according to different number of subs.

(1)

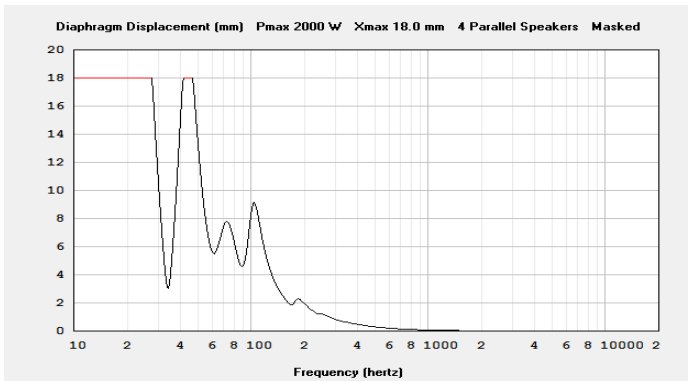


2 Subs,

Recommended max power 1000Wrms each.

(1) LF – High Pass => 33-35 Hz, 48dB/octave Butterworth / Low Pass => 90-120 Hz, 48dB/octave Butterworth when using 2pcs stacked together in half-space (2Pi);

(2)

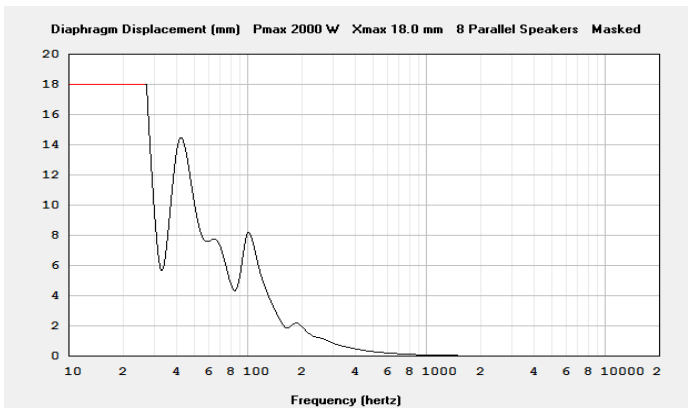


4 Subs,

Recommended max power 1500Wrms each.

(2) LF – High Pass => 33 Hz, 48dB/octave Butterworth / Low Pass => 90-120 Hz, 48dB/octave Butterworth when using 4pcs stacked together in half-space (2Pi);

(3)



8 Subs,

Recommended max power 2000Wrms each.

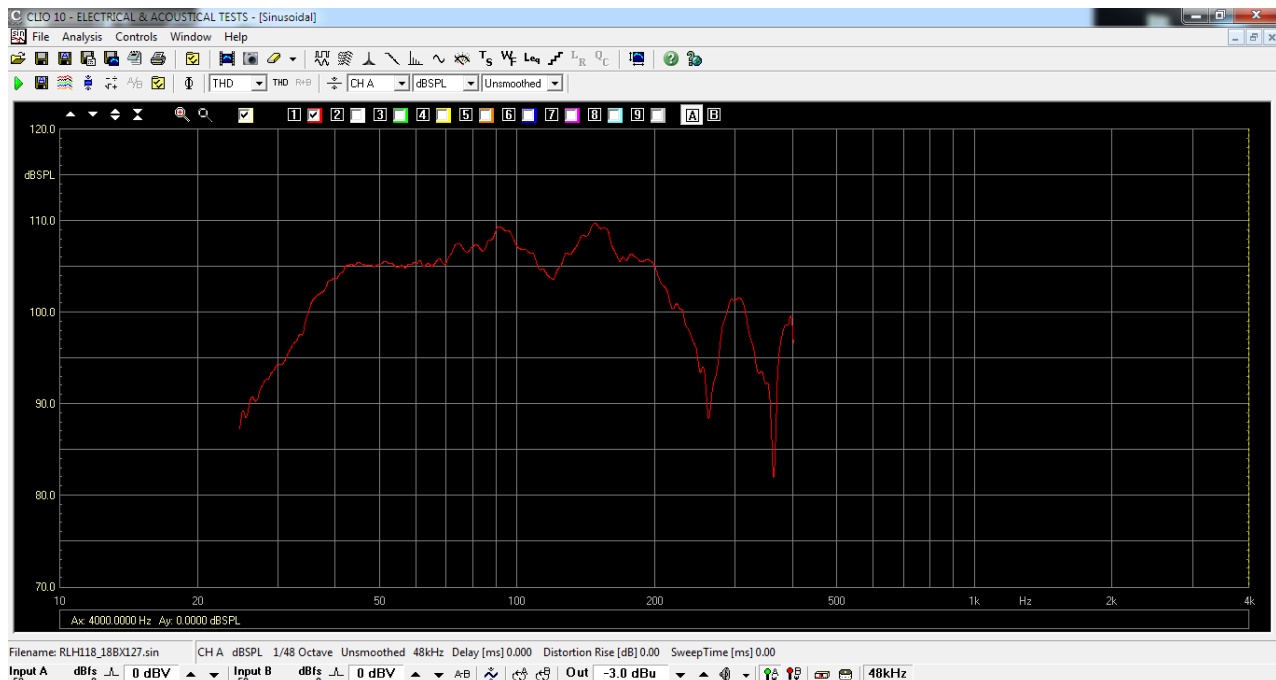
(3) LF – High Pass => 32 Hz, 48dB/octave Butterworth / Low Pass => 90-120 Hz, 48dB/octave Butterworth when using 8pcs stacked together in half-space (2Pi);

* Each loudspeaker used in these speakers is 2000Wrms (AES standard) and it can make 18mm diaphragm displacement with no linear distortion

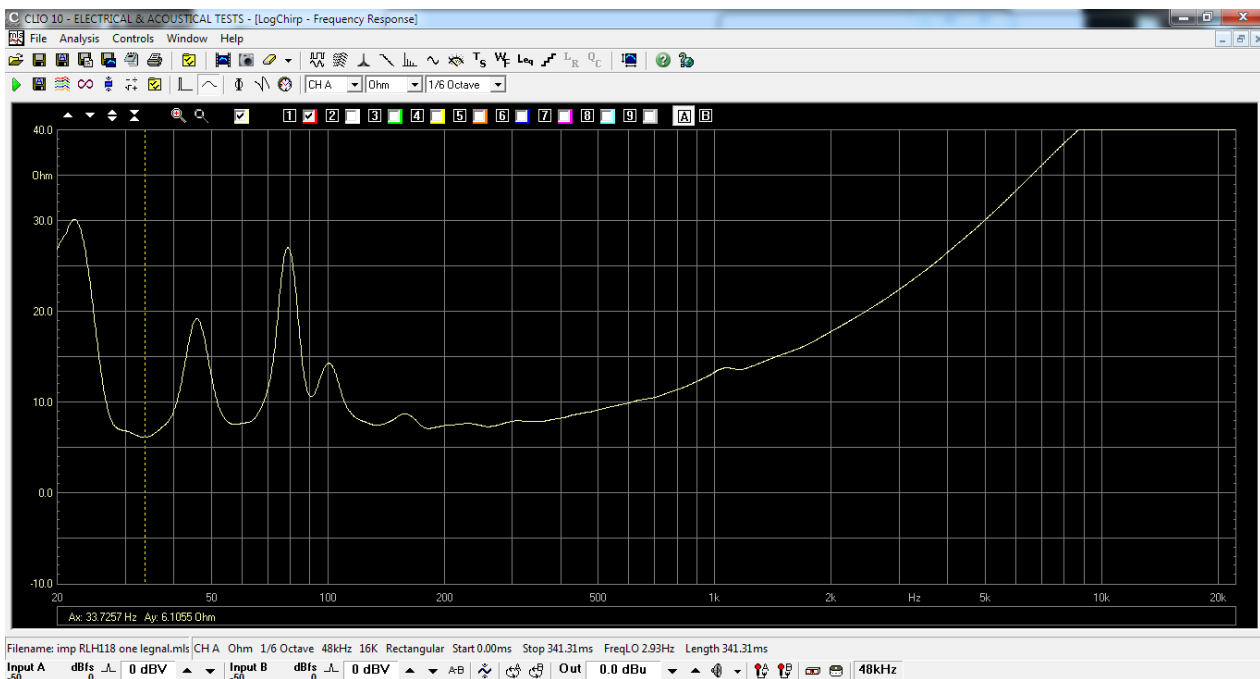
* All simulations are made with 2000Wrms per speaker (4000Wrms in 2speakers, 8000Wrms in 4speakers, 16000Wrms in 8speakers@2Pi)

RLH118SX Specifications

Frequency response 1 Sub@1m/2Pi

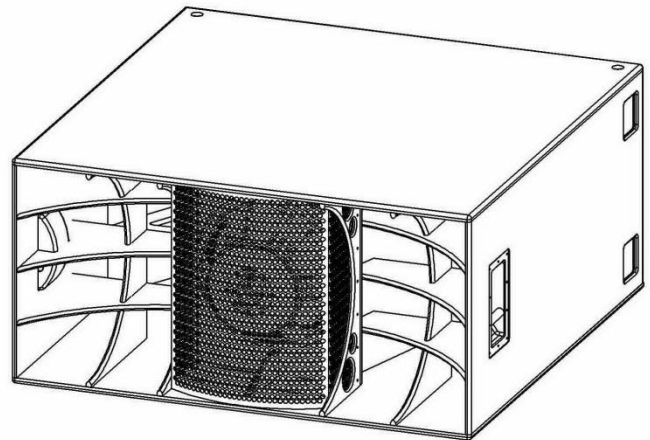
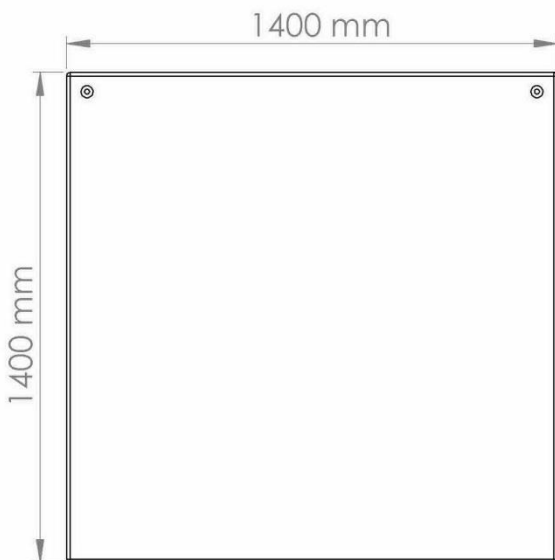
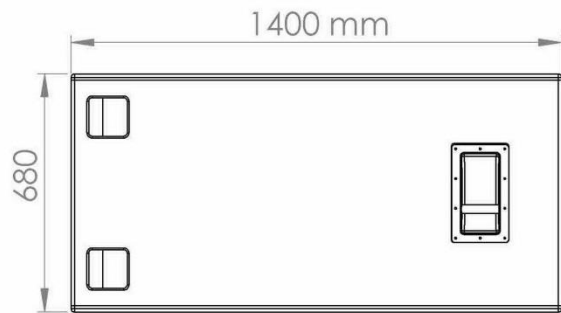
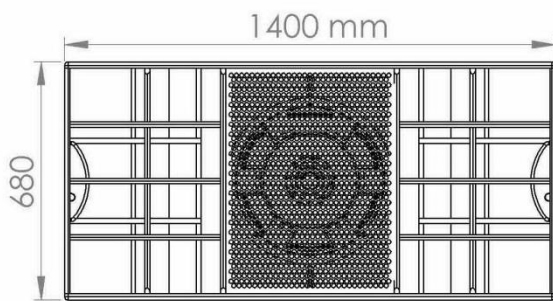


Impedance 1 Sub



RLH118SX Specifications

Dimensions



- All dimensions are in mm



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Clear Sound products are continually improved. All specifications are therefore subject to change without prior notice.