RLH 118 SX

Description

- 18" high excursion woofer
- Low power compression, superb quality sound
- Very high power of 2000 Wrms

Rear-loaded horn subwoofer with **one 18" speaker** characterized with **maximum low-frequency output power**. **RLH 118 SX** is the optimal decision for **sports halls** and **stadiums** because of its **high SPL** and **bass dispersion**. It is perfect for **Drum'N'Bass**!

RLH 118 SX

LOUDSPEAKER

Subsystem:

Transducer	*Loading*
LF – 1 x 18-in cone /5" Voice Coil/	Rear-Loaded Horn

Operating Mode:

Amplifier Channels	*External Signal Processing*
Single-amp	Low-Cut + High Pass Filter

PERFORMANCE

Operating Range (single unit):	36 Hz – 150 Hz (- 3 dB)

Power handling AES* (see the table below)

LF - 110.4 Vrms (45 Hz – 100 Hz)	2000 W

Axial Sensitivity (2.83V@1m)

LF – 106 dB	40 Hz to 120Hz

Input Impedance

Nominal	*Minimum*
LF – 8 Ω */4 Ω – optional/*	6.2 Ω @ 30 Hz

Low-Cut and High Pass Filter

LF – High Pass => 32-38 Hz, 48 dB /octave Butterworth/
Low Pass => 90 Hz - 120 Hz, 48dB /octave Butterworth/

Axial Output SPL @ 1m

Average	*Peak*
LF – 139 dB	144 dB

PHYSICAL

Dimensions: 1400 x 1400 x 680 mm (W x L x H)

Net Weight: 192kg

ORDERING DATA

Description

RHL 118 SX

Optional Accessories

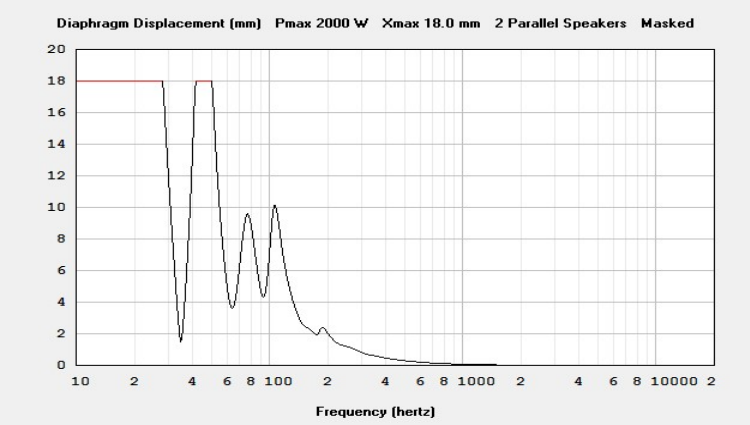
1 x Cover
4 x Wheels

RLH 118 SX

Recommended power for safety diaphragm displacement Limit

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

(1)

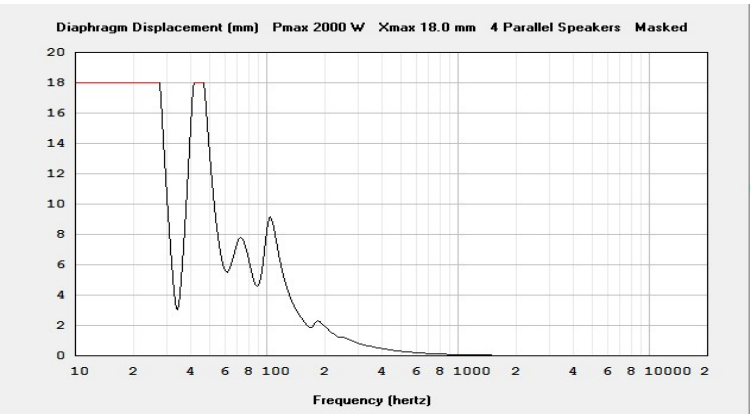


2 x RLH 118 SX

Recommended max power 1000 Wrms each.

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

(2)

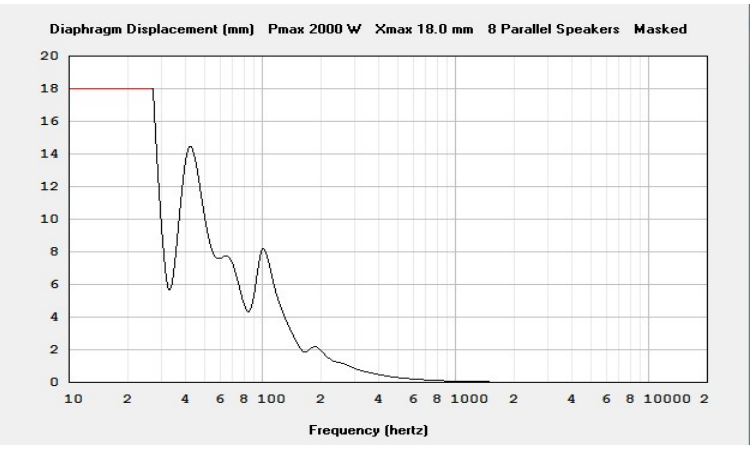


4 x RLH 118 SX

Recommended max power 1500 Wrms each.

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

(3)



8 x RLH 118 SX

Recommended max power 2000 Wrms each.

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

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

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

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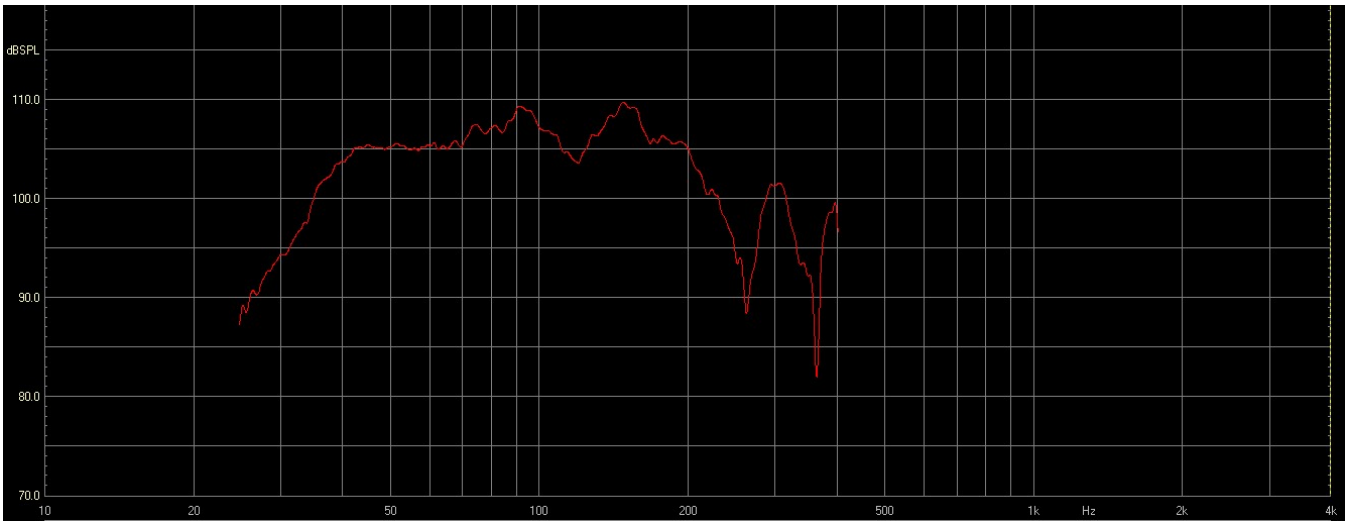
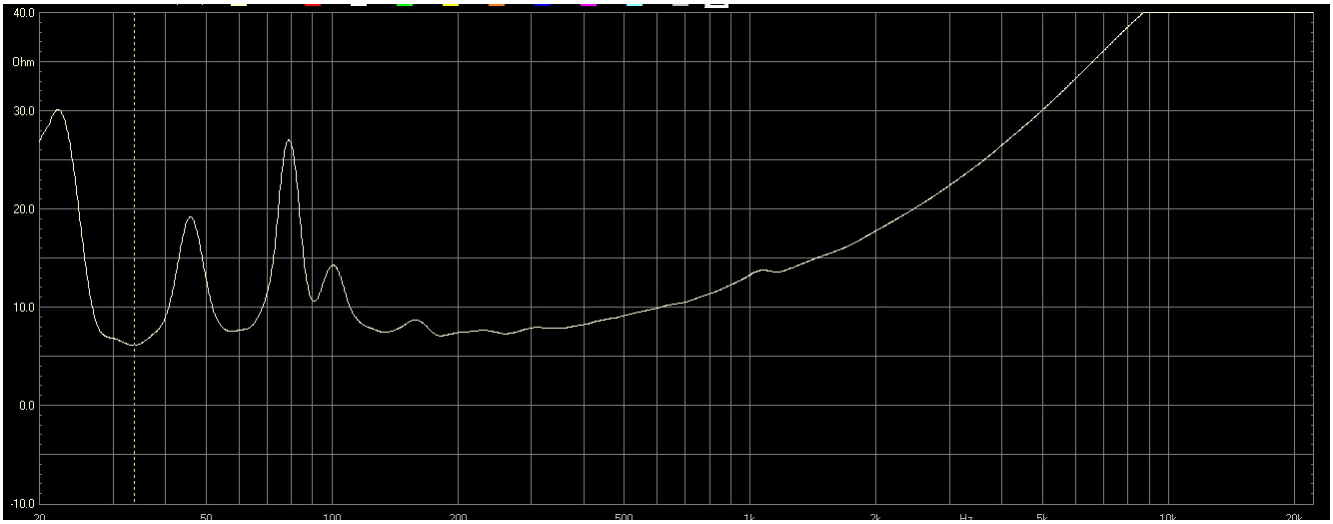
Frequency response 1 x RLH 118 SX@1m/2Pi

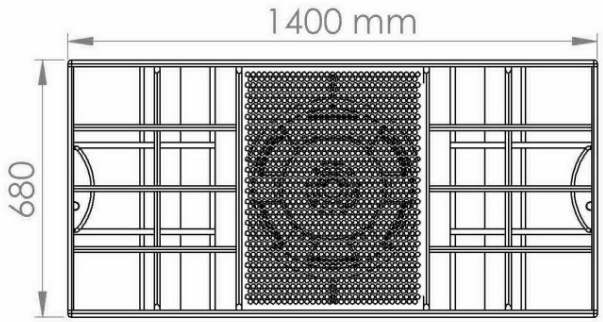


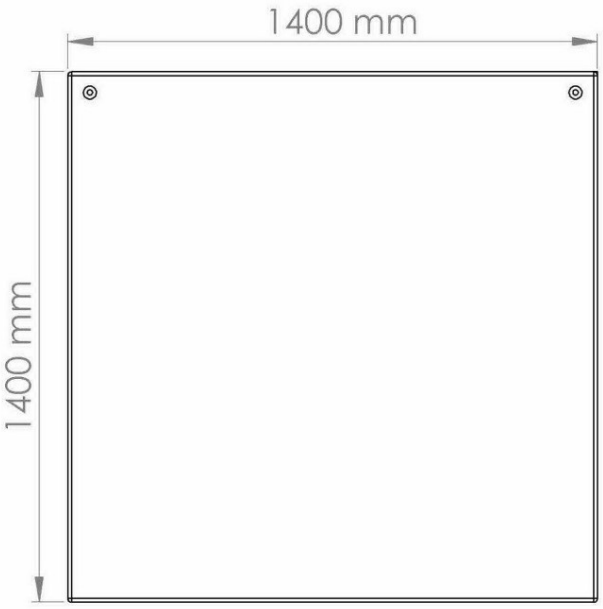
Impedance 1 x RLH 118 SX

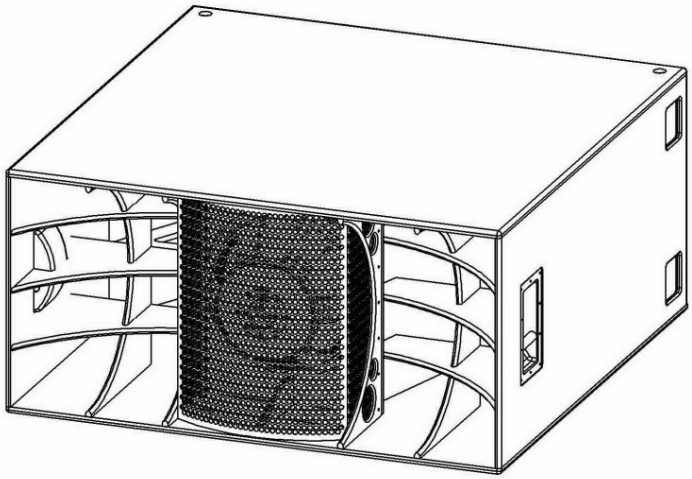


RLH 118 SX

Dimensions







- *All dimensions are in mm*