



Description

- 18" high excursion woofer
- Low power compression, superb quality sound
- Very high power of 1000 Wrms

Horn-loaded subwoofer with one **18" speaker** characterized with **maximum low-frequency output power**. **HL 118** is the optimal decision for **electronic** and **live music** because of its **high SPL** and **bass dispersion**.

LOUDSPEAKER

Subsystem:

<i>Transducer</i>	<i>Loading</i>
LF – 1 x 18-in cone /4" Voice Coil/	Front-Loaded Horn

Operating Mode:

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

PERFORMANCE

Operating Range	35 Hz – 200 Hz (- 3 dB)
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Power handling AES

LF – 89.4 Vrms (40 Hz – 100 Hz)	1000 W @ 8 Ω
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Axial Sensitivity (2.83V@1m)

LF – 102 dB	45 Hz to 100 Hz
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Input Impedance

<i>Nominal</i>
LF – 8 Ω

High/Low Pass Filter

LF – High Pass => 35 Hz, 48 dB /octave Butterworth/ Low Pass => 90 Hz - 120 Hz, 48dB /octave Butterworth/
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Axial Output SPL @ 1m

<i>Average</i>	<i>Peak</i>
LF – 132 dB	138 dB

PHYSICAL

Dimensions: 1370 x 1350 x 640 mm (W x L x H)
Net Weight: 128kg

ORDERING DATA

<i>Description</i>
HL 118

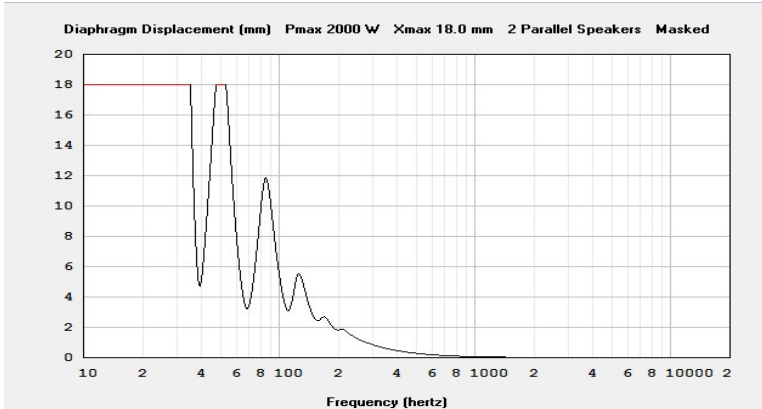
Optional Accessories

1 x Cover

Recommended power for safety diaphragm displacement Limit

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

(1)



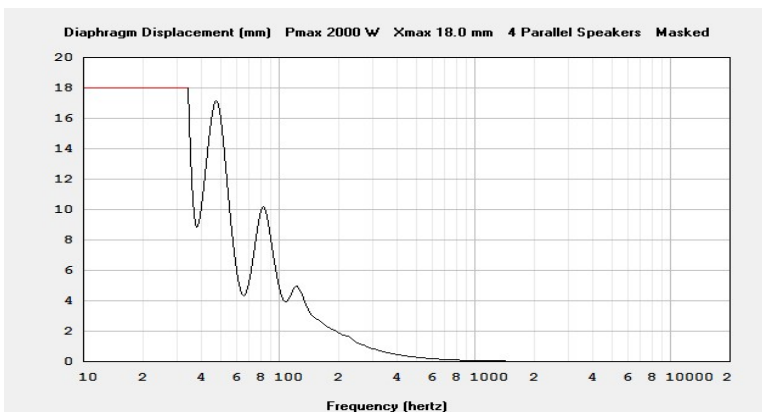
2 x HL 118

Recommended max power 1000 Wrms each.

LF - High Pass => 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)



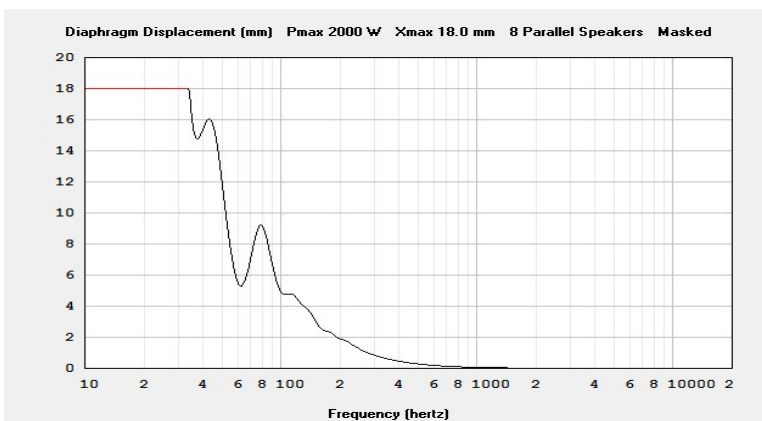
4 x HL 118

Recommended max power 2000 Wrms each.

LF - High Pass => 34 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 HL 118

Recommended max power 2000 Wrms each.

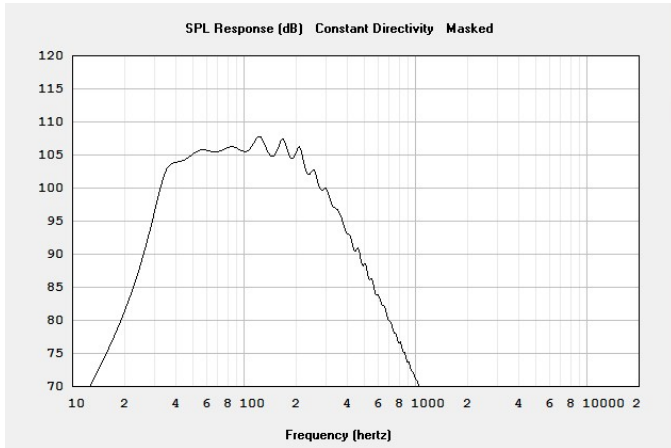
LF - High Pass => 33 Hz, 48dB/octave Butterworth/

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

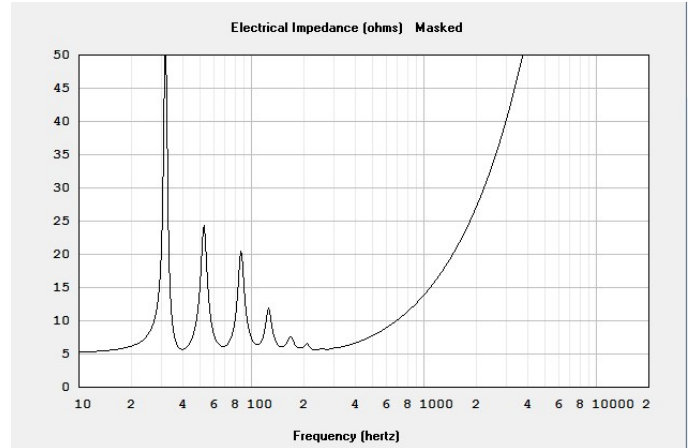
* Each loudspeaker used in these speakers is 2000 Wrms (AES standard) and it can make 18 mm diaphragm displacement with no linear distortion

* 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)

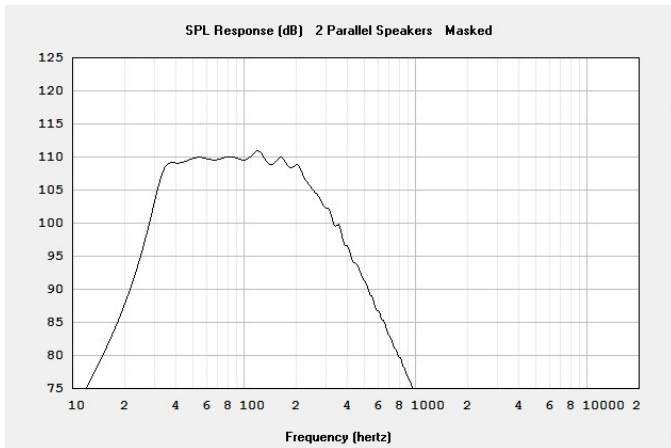
Frequency response 1 x HL 118@1m/2Pi



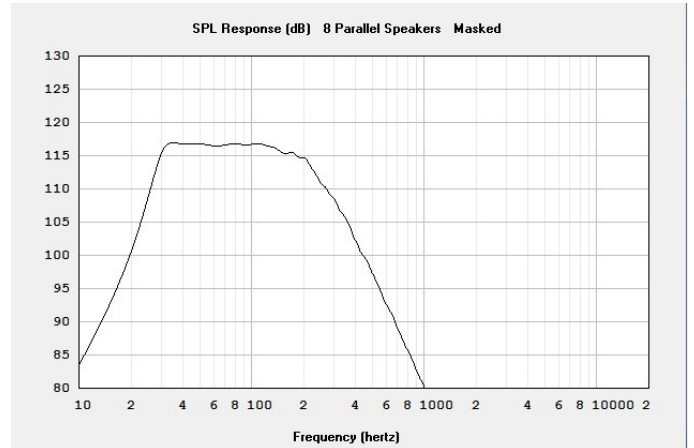
Impedance 1 x HL 118



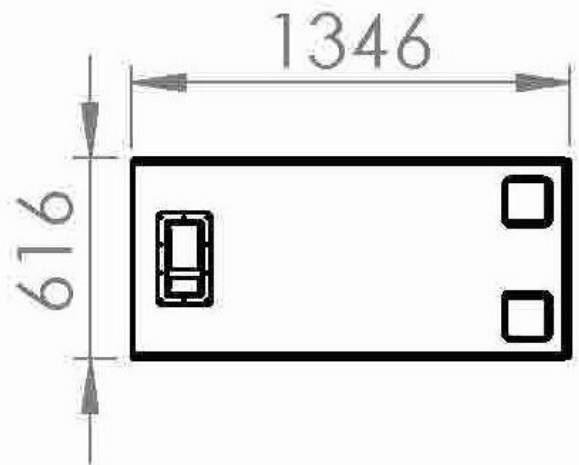
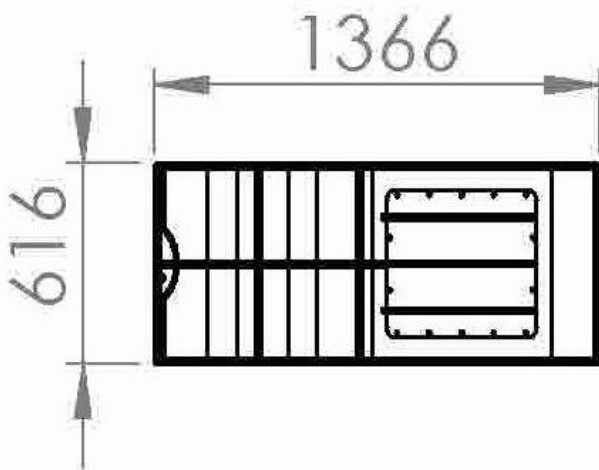
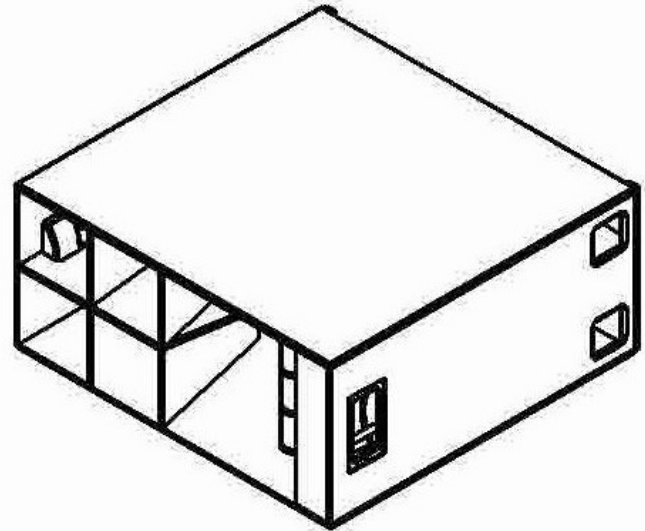
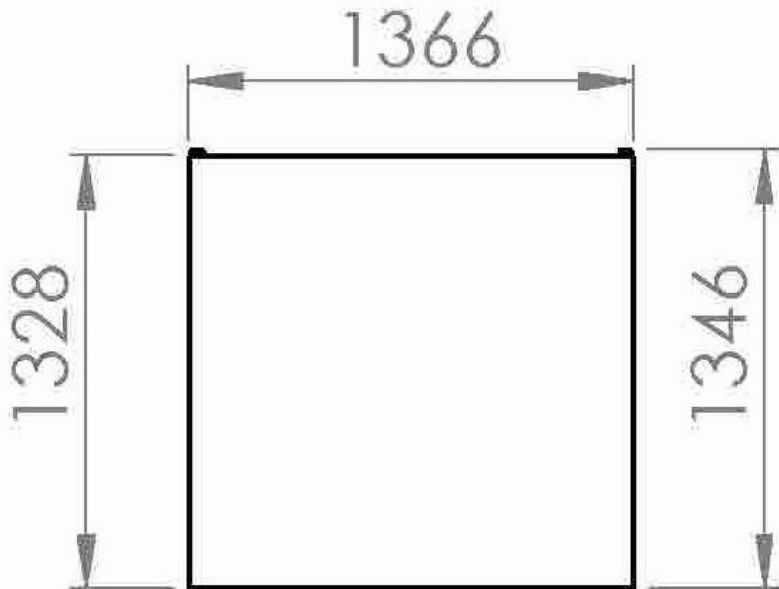
Frequency response 4 x HL 118@1m/2Pi



Frequency response 8 x HL 118@1m/2Pi



Dimensions



- All dimensions are in mm