



Description

- 3-way full range system
- High Efficiency Horn Loaded design
- Very high SPL from 90 Hz - 20 kHz
- Three-amplified or Two-amplified operation
- Designed for horizontal array and installation

The band pass design combined with **two highly efficient 15" transducers** produces an efficiency of **103 dB at 1 W / 1 m**. A power rating of **1500 W RMS** enables a **sustained output of 133 dB** to be maintained.

LOUDSPEAKER

Subsystem:

Transducer	Loading
LF – 1 x 15-in cone /4" Voice Coil/	Horn-loaded
MF – 1 x 8-in cone /2" Voice Coil/	Horn-loaded
HF – 1 x 1-in compression driver /1.75" voice coil/	Horn-loaded

Operating Mode: Active

Amplifier Channels	External Signal Processing
Three-amp LF, MF and HF	DSP /3-way filters/

Operating Mode: Semi Active

Amplifier Channels	External Signal Processing
Two-amp LF, MF and HF /with internal crossover/	DSP /2-way filters/

PERFORMANCE

Operating Range	90 Hz - 20 kHz (- 3 dB)
Nominal Beamwidth (H/V)	40° x 60°

Power handling AES

LF – 69 Vrms (90 Hz – 400 Hz)	600 W @ 8 Ω
MF – 49 Vrms (400 Hz – 1800 Hz)	300 W @ 8 Ω
HF – 25.3Vrms (2 kHz – 18 kHz)	80 W @ 8 Ω

Axial Sensitivity (2.83V@1m)

LF – 102 dB	100 Hz to 400 Hz
MF – 106 dB	500 Hz to 1200 Hz
HF – 112 dB	2 kHz to 4 kHz

Input Impedance

Nominal	Minimum
LF – 8 Ω	7,5 Ω @ 220 Hz
MF – 8 Ω	
HF – 8 Ω	

High Pass Filter (Active Mode)

LF – High Pass => 90 Hz, 24 dB /octave Butterworth/
MF – High Pass => 300 Hz, 24 dB /octave Butterworth/
HF – High Pass => 1800 Hz, 24 dB /octave Butterworth/

High Pass Filter (Semi-Active Mode)

LF – High Pass => 90 Hz, 24 dB /octave Butterworth/
MF/HF – High Pass => 300 Hz, 24 dB /octave Butterworth/

Axial Output SPL @ 1m

Average	Peak
LF – 130 dB	136 dB
MF – 130 dB	136 dB
HF – 130 dB	136 dB

PHYSICAL

Dimensions: 550 x 600 x 1090 mm (W x L x H)
Net Weight: 74 kg

ORDERING DATA

Description
HL 1508
Optional Accessories
1 x Cover

Internal Electrical Diagram

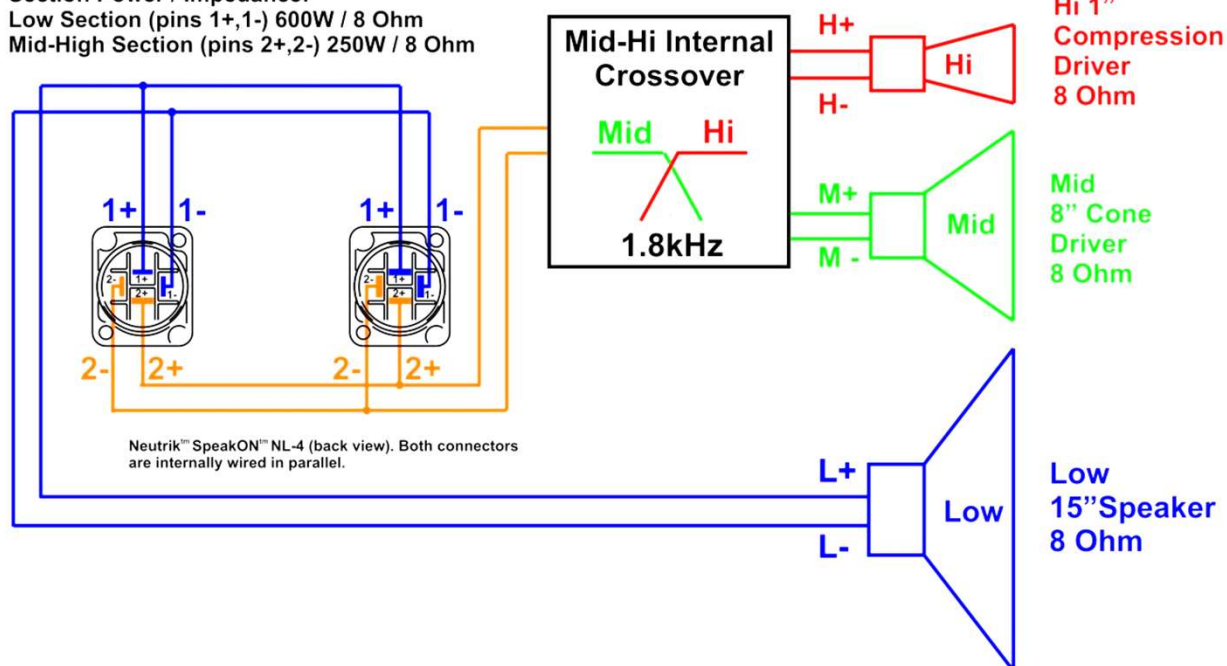
2-Way Semi-Active Mode, 2-Amp Operation

Recommended External Crossover Points 300Hz

Section Power / Impedance:

Low Section (pins 1+,1-) 600W / 8 Ohm

Mid-High Section (pins 2+,2-) 250W / 8 Ohm



3-Way Active Mode, 3-Amp Operation

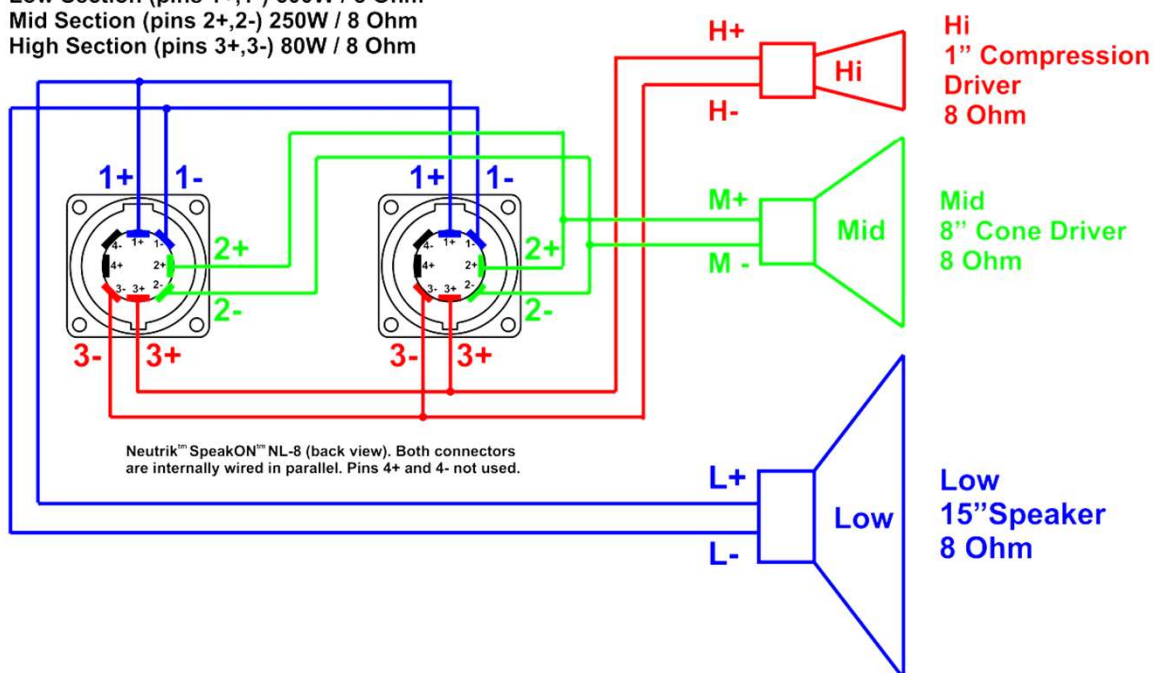
Recommended External Crossover Points 300Hz / 1,8kHz.

Section Power / Impedance:

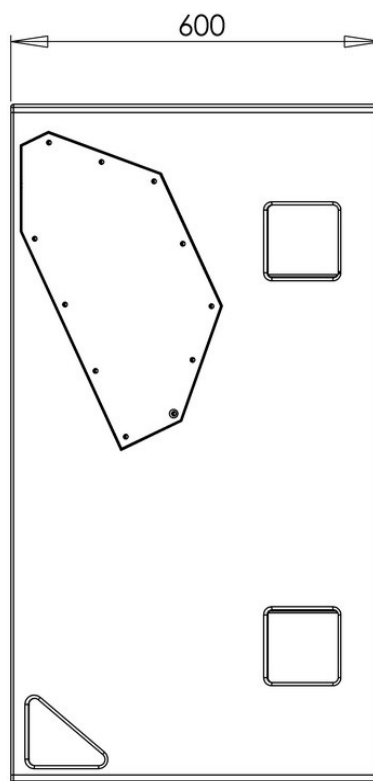
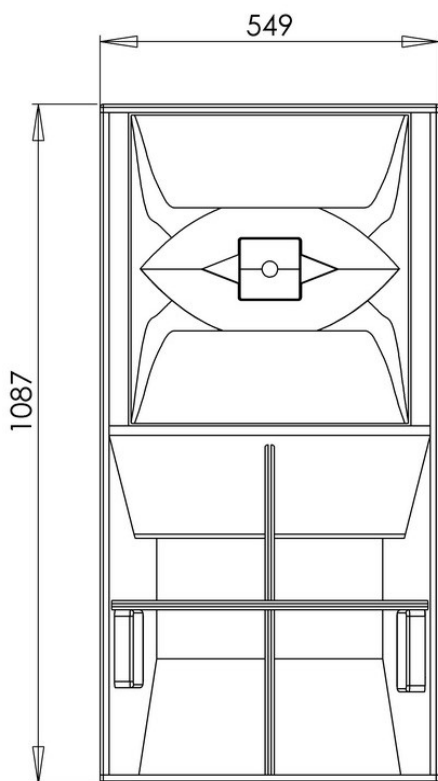
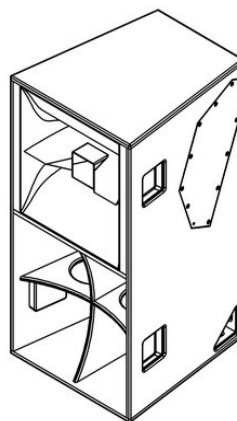
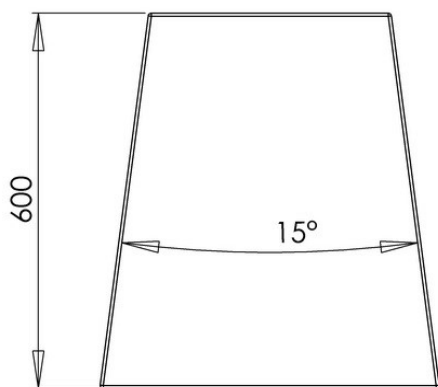
Low Section (pins 1+,1-) 600W / 8 Ohm

Mid Section (pins 2+,2-) 250W / 8 Ohm

High Section (pins 3+,3-) 80W / 8 Ohm



Dimensions



- All dimensions are in mm