BP1508 Specifications

Description

3-way point source horn system

- 3-way system
- High Efficiency Band-pass and Horn Loaded design
- Very high SPL from 80Hz-20kHz
- Three-amplified or Two-amplified operation

The Band-pass and Horn Loaded design combined with two highly efficient 15" transducers produces an efficiency of 103 dB at 1 W / 1 m. A power rating of 1100Wrms enables a sustained output of 133 dB to be maintained.

BP1508 Specifications

LOUDSPEAKER **Subsystem:**

Transducer	*Loading*
LF 2 x 15-in cone / 3''Voice Coil/	Band-Pass
MF 1 x 8- in cone /2''Voice Coil with ferrofluide/	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, HF - active mode	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:	80 Hz - 21 kHz (- 3 dB)
Nominal Beamwidth: H/V	60° x 90°

Power handling AES

LF-66Vrms(90-400Hz)	1100W @ 4Ohm
LF-49Vrms(400-1800Hz)	300W @ 8Ohm
HF-25,3Vrms(2-18kHz)	80W @ 8Ohm

Axial Sensitivity (2.83V@1m)

LF 103 dB	100Hz to 400Hz
MF 106 dB	500Hz to 1200Hz
HF 112 dB	2kHz to 4kHz

Input Impedance

Nominal	*Minimum*
LF – 4 ohm	3.5ohm @ 220 Hz
MF – 8 ohm	
HF – 8 ohm	

High Pass Filter Active Mode

LF – High Pass=> 70Hz, 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=> 70Hz, 24 dB/octave Butterworth
MF/HF – High Pass=> 300 Hz, 24 dB/octave Butterworth

Axial Output SPL @ 1m

Average	*Peak*
LF 133 dB	139 dB
MF 130 dB	136 dB
HF 130 dB	136 dB

PHYSICAL

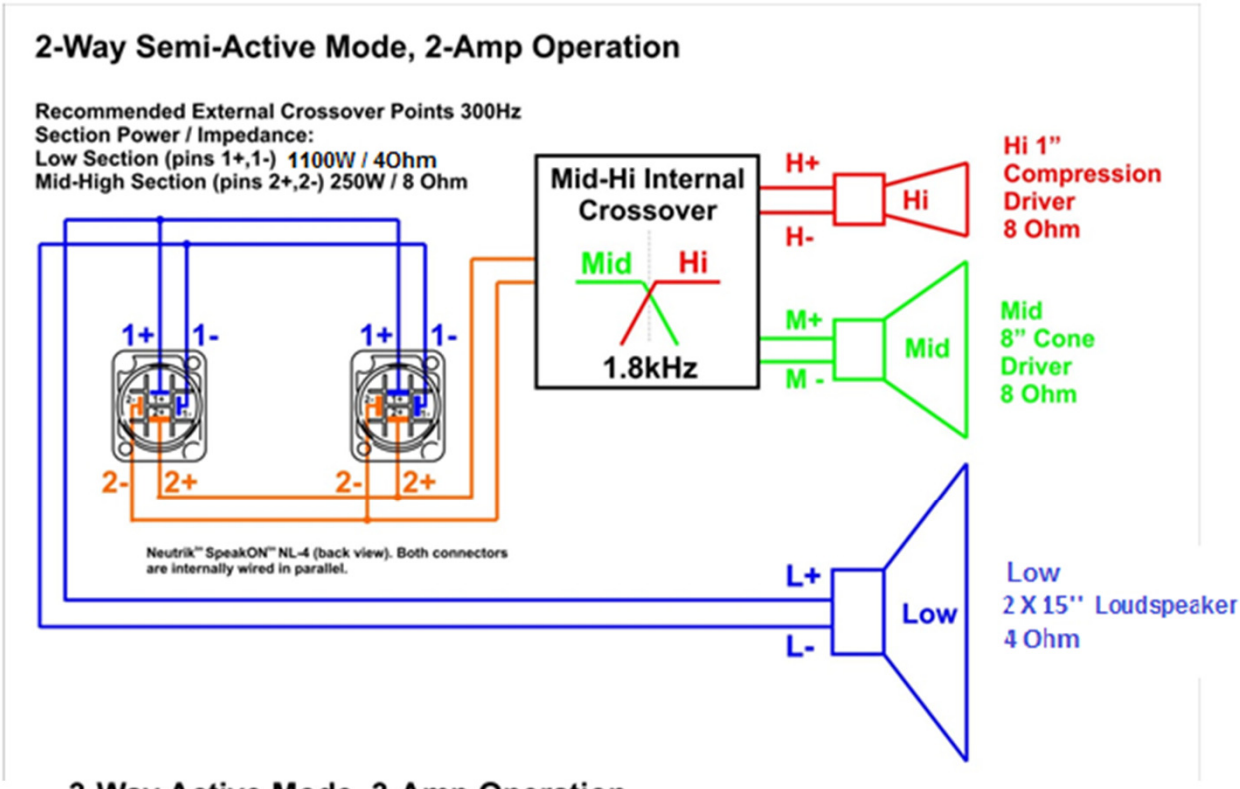
Dimensions 1100 x 630 x 570 mm (H,W,D)
Net Weight: 79kg

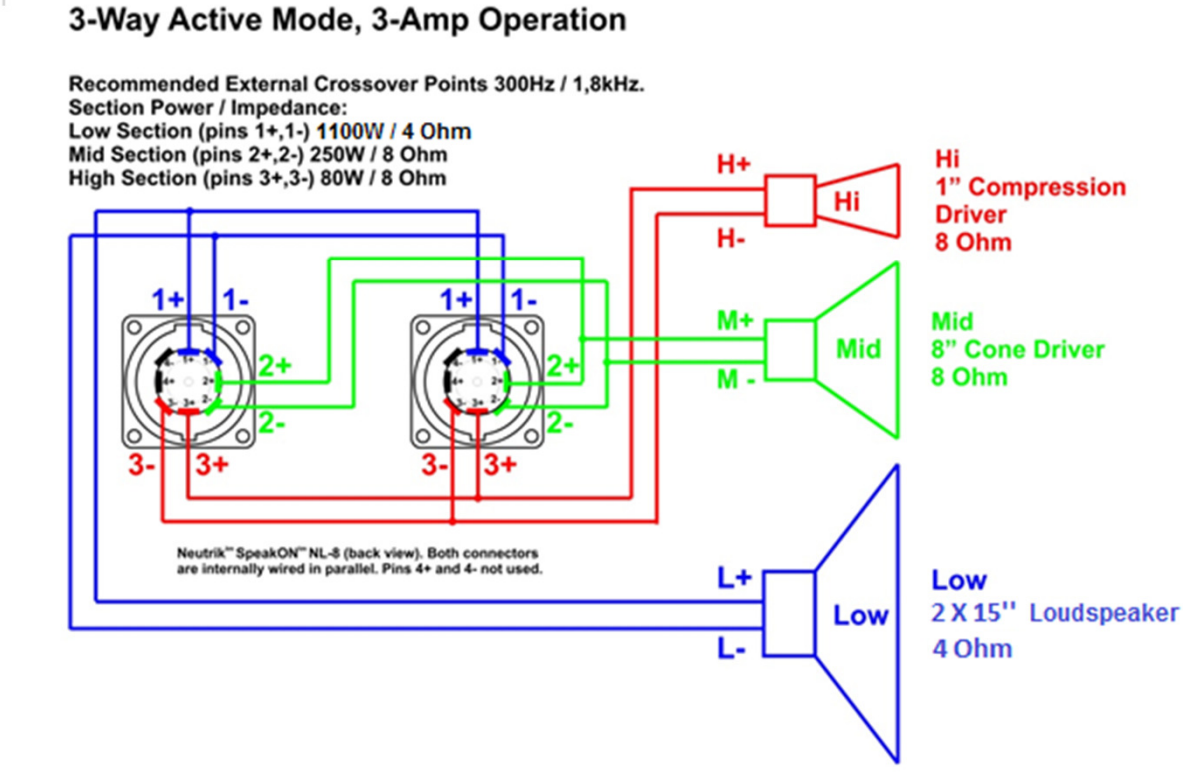
ORDERING DATA

Description
BP1508 - Red or Black
Optional Accessories
Cover (Single protection for one BP1508)

BP1508 Specifications

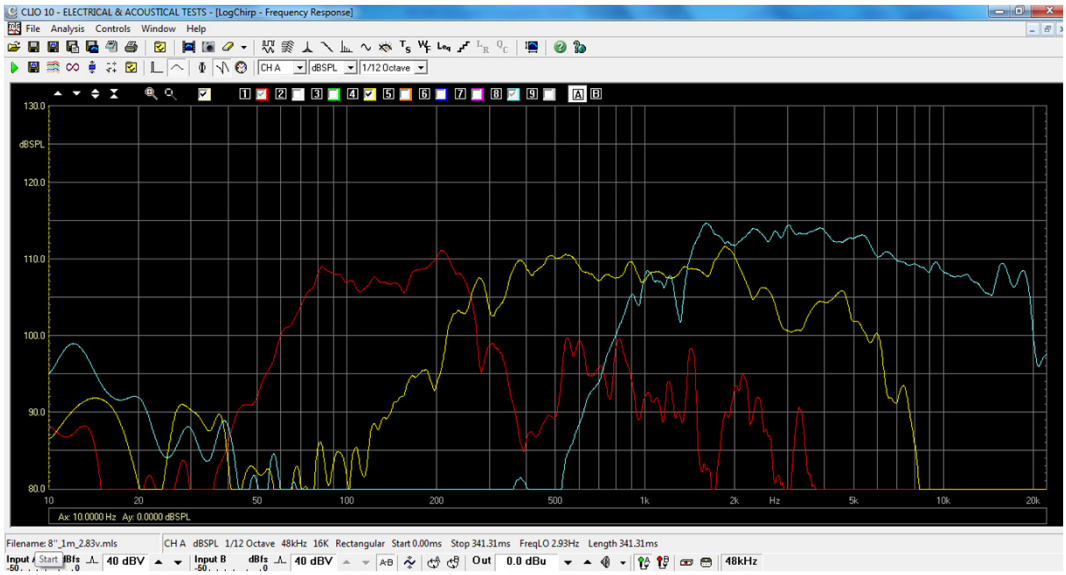
Internal Electrical Diagram





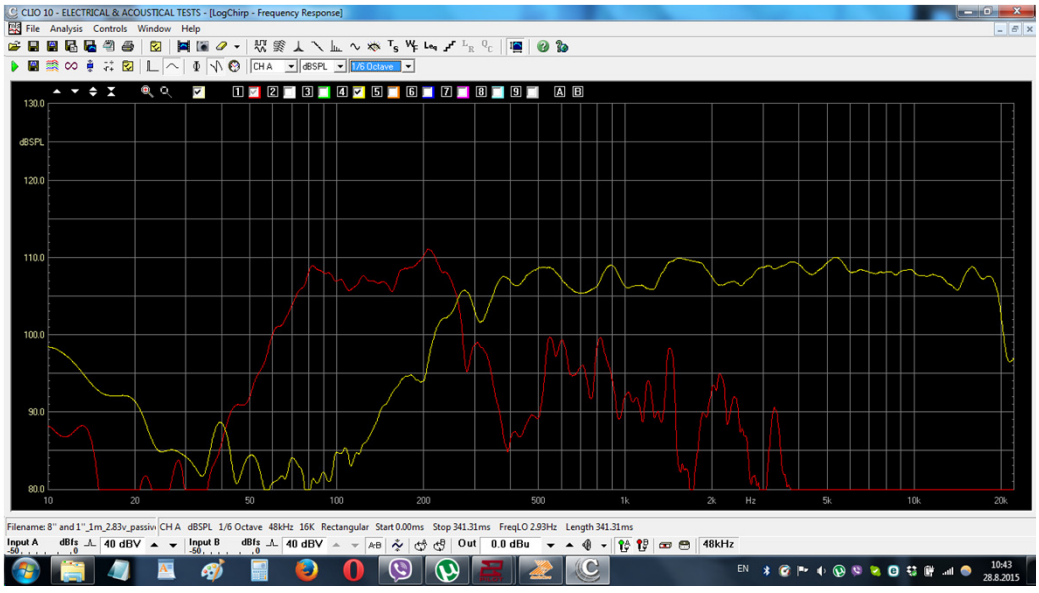
BP1508 Specifications

Frequency Response



Active Mode

1x BP1508 / 3-Way / Unprocessed - 2x15”@2.83v/1m_4Ohm ; 1x8”@2.83v/1m_8Ohm ; 1x1”@2.83v/1m_8Ohm

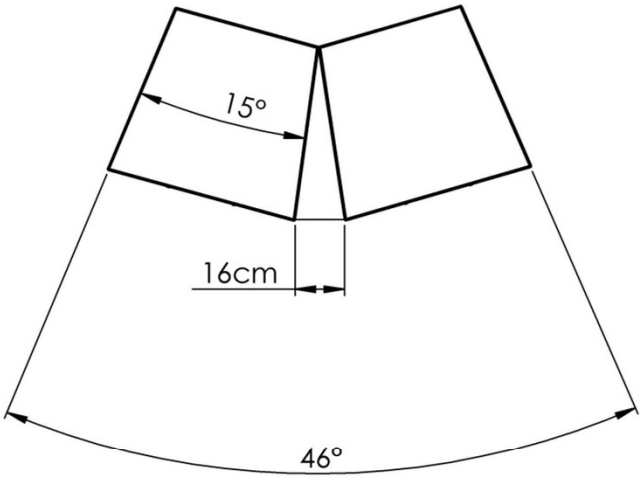


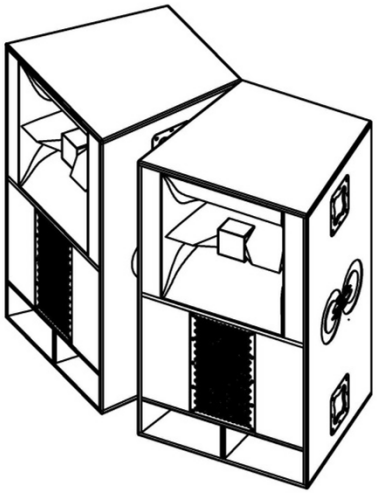
Semi Active Mode

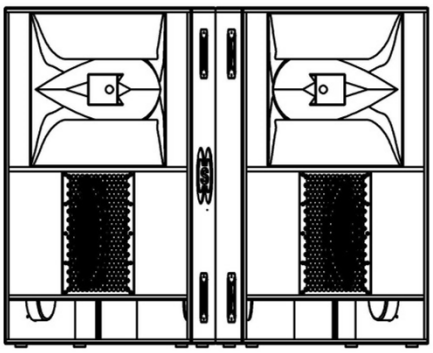
1x BP1508 / 2-Way / Unprocessed - 2x15”@2.83v/1m_4Ohm ; internal passive filter - 1x8”+1x1” @2.83v/1m_8Ohm

BP1508 Specifications

Stacking Mode Recommendation

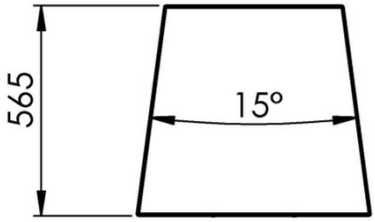


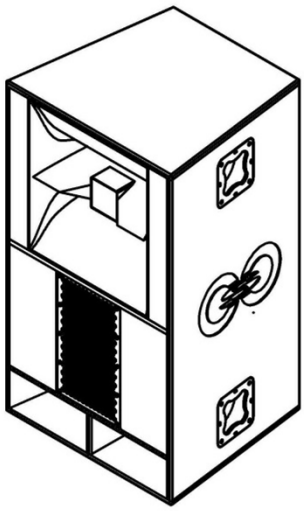


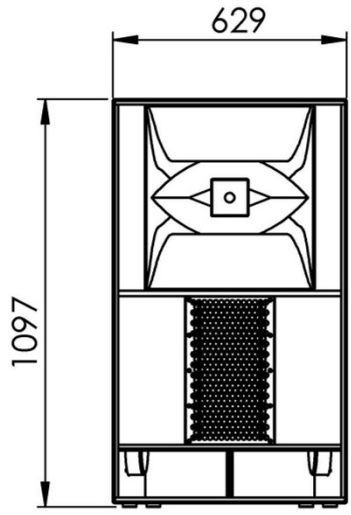


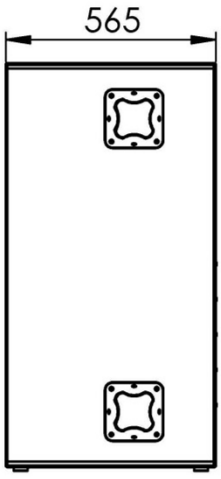
BP1508 Specifications

Drawing









- All dimensions are in mm