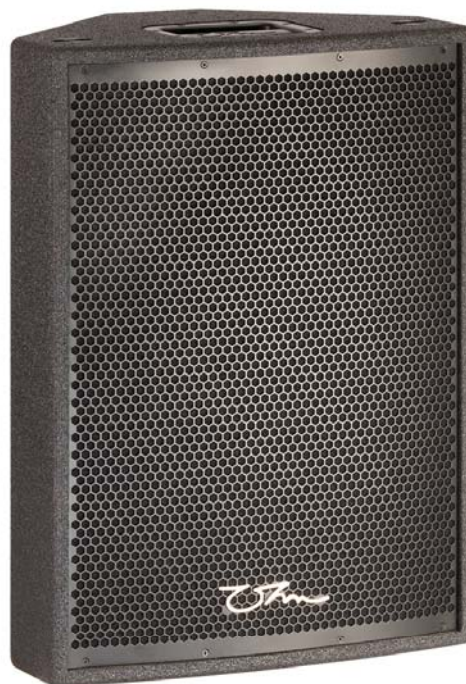


TRS-115 Datasheet



TRS-115 is a multi-purpose, symmetrically angled cabinet designed for stage monitoring and general PA applications. Either flown or pole mounted this compact wedge is ideal for mirroring applications as both wedge angles are the same. The steep 45 degree angle of the wedge also makes these speakers perfect monitors for far-field applications like theatre and medium sized stage use. Using our own in-house designed and built drivers give depth and clarity which is unrivalled whilst Ohm's renowned build quality makes this cabinet an easy choice.

OHM's proprietary 15", 500w cast bass driver and 1.5" horn loaded compression driver components come together through an internal passive crossover, creating a smooth linear sound. With a frequency response of 68 Hz to 21 kHz (-10 dB) across 60° x 40° dispersion while delivering an impressive 135 dB (peak) SPL, this 31 kg unit gives the performance professionals demand.

The robust monitor has a HEX design front grill; hardwearing Polyurea paint finish and a bar handle on the top. Integrated rubber feet are located on 3 sides of the monitor for securing in multiple positions.

Mounting options include six integrated aluminium Aeroquip flying points (for use with CFEK flying eyes) located on the top and rear and bottom of the enclosure giving flexibility over horizontal or vertical flying positions. Other fixings can be used with this cabinet such as the fixed large wall bracket (LWB) and pan and tilt wall bracket (LWB-PT) utilising the integrated top-hat.

The rear cast aluminium connection plate has recessed connectors to aid cable management. Two 4 pin speakON® connectors are fitted as standard, one input and one link. The speakON® connectors are wired on pins +1-1, with pass through of pins +2-2.

Key features:

- Rebated Baltic Birch Plywood construction
- Tough Polyurea coating
- Reticulated weatherproof foam covered powder-coated Zintec steel grills
- Dual layer thermal relief driver technology
- Aerospace grade 7075-T6511 aluminium flying points
- Heavy duty recessed steel handles

Technical Specifications

Design

15" Full Range Cabinet,
Reflex Tuning

Impedance

8 Ohm, Minimum 5.1 @ 250 Hz

Power Handling (AES)

500 Watts (continuous)

Max. Power Handling (AES)

1000 Watts (program)
2000 Watts (peak 10 ms)

Sensitivity 2.83V / 1m

102 dB

Max. SPL

129 dB cont
135 dB peak

Frequency Response (±3 dB)

81 Hz - 20 kHz

Usable Frequency Range (-10 dB)

68 Hz - 21 kHz

Dispersion

60° x 40°

SYSTEM OPERATION

Recommended Amplification

500 - 1000 Watts

System Controller

Ohm DSP Solutions

Speaker Cables

Min - 2 x 2.5 mm²
Preferred - 2 x 4 mm²

PRODUCT FEATURES

Components

1 x 15" Low Frequency Driver
1 x 1.5" Horn loaded Compression Driver

Crossover

Passive - 1.27 kHz
Active - * LPF -
HPF - 90Hz

Connectors

2 x 4 pole speakON® connectors

Dimensions (H x W x D mm)

704 x 506 x 334.5

Weight (kg)

31

Shipping Weight (kg)

32.6 (1 cabinet per carton)

Colour

Black

Options

Available in white or RAL colours on request

Rigging

6 x mounting points, to take flying eyes, omni-mounting point for stand or truss adaptor,

HARDWARE

Fitted as Standard

TH-1 Cast aluminium top hat, CPFK Recessed flying points

Optional

CFEK Set of three flying eyes, LWB-PT large wall bracket pan and tilt with 35mm spigot, LWB large wall bracket, SS-1 speaker stand, TP-1 adjustable threaded pole.

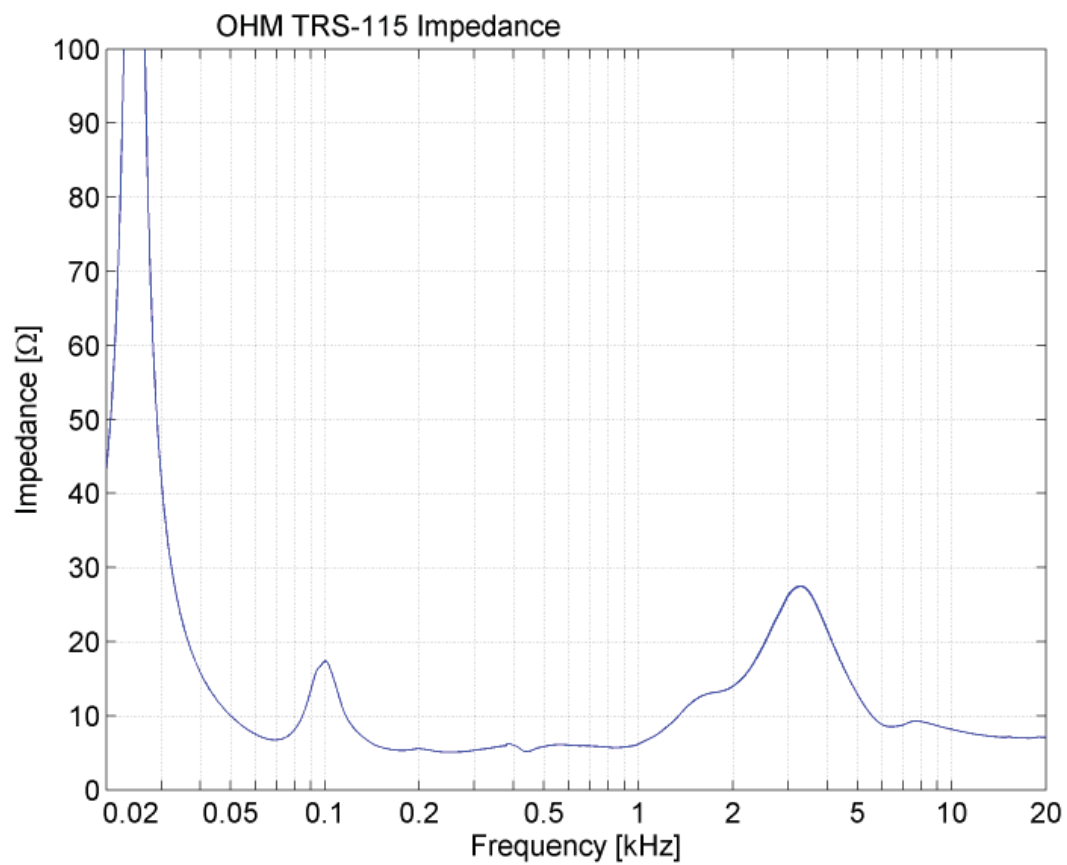
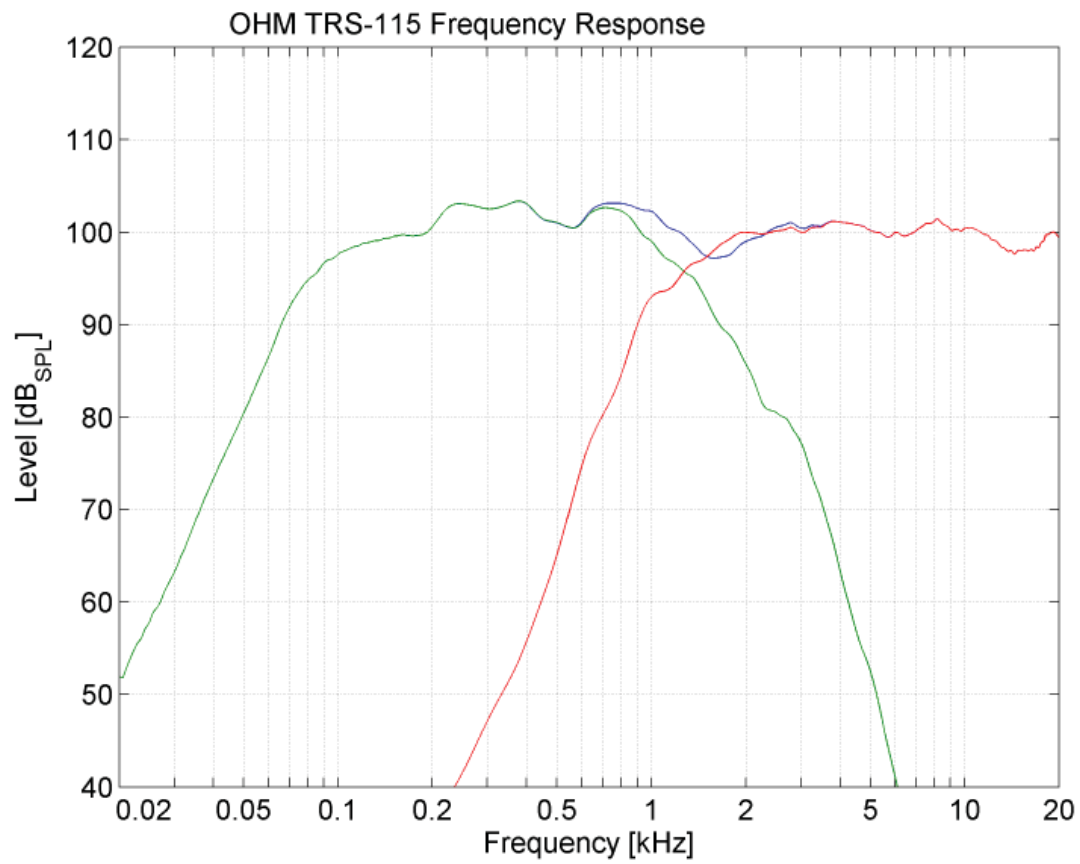
Additional Descriptive Data

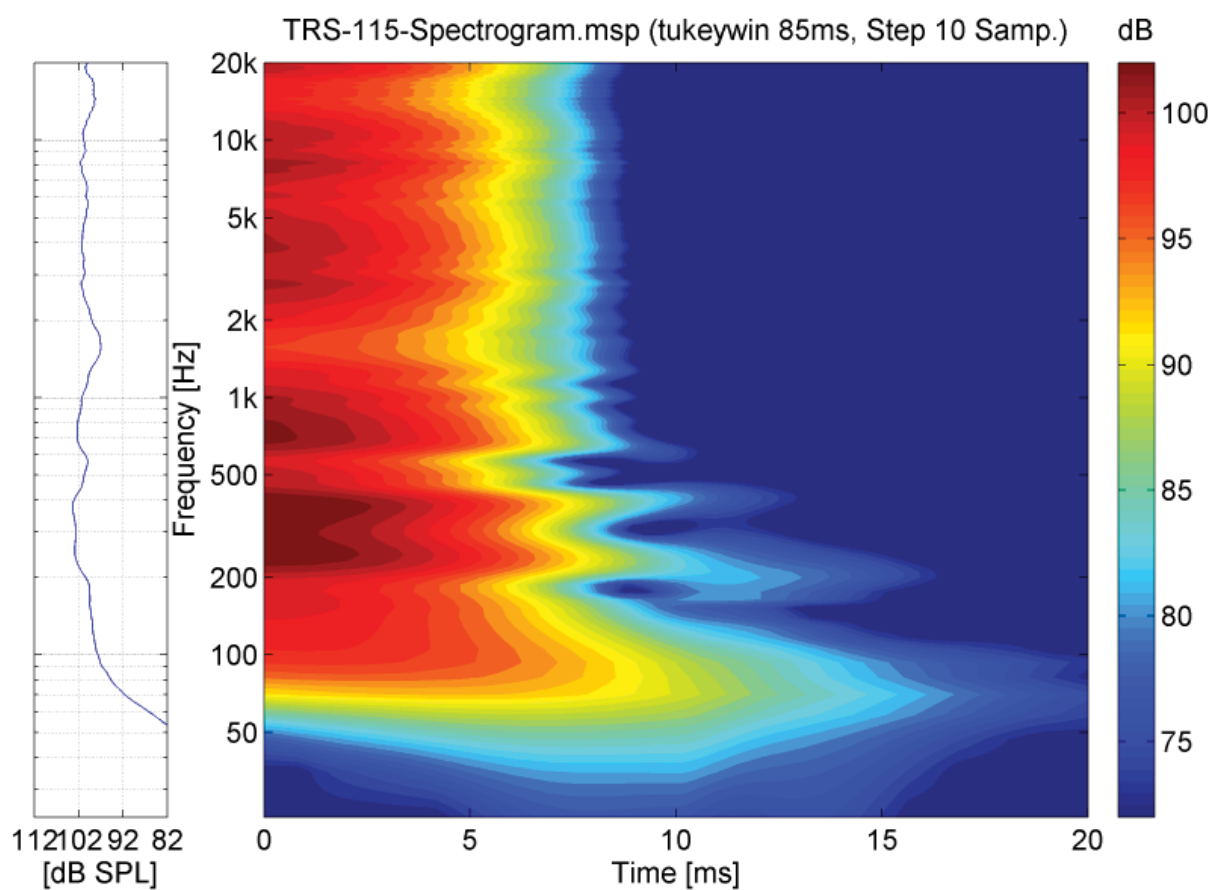
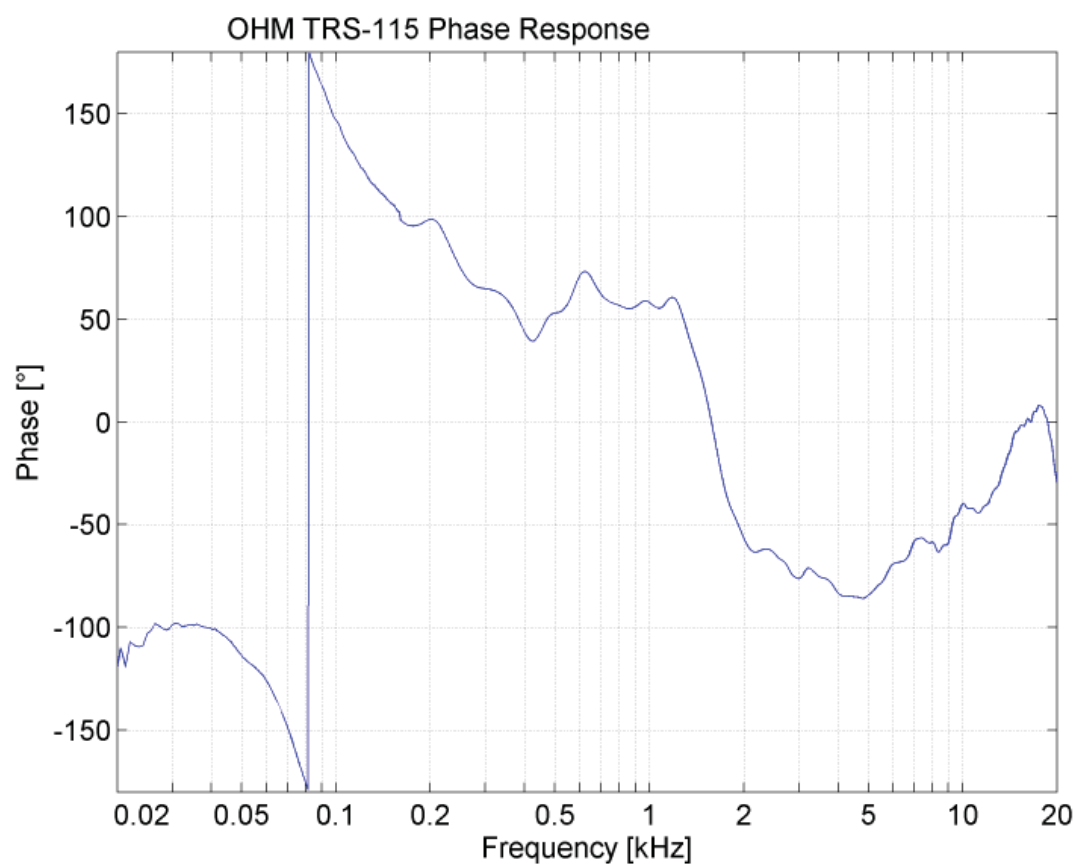
Birch plywood construction, with durable scratch resistant black polyurea textured paint finish, kick-proof steel grill and internal black foam with Ohm logo.

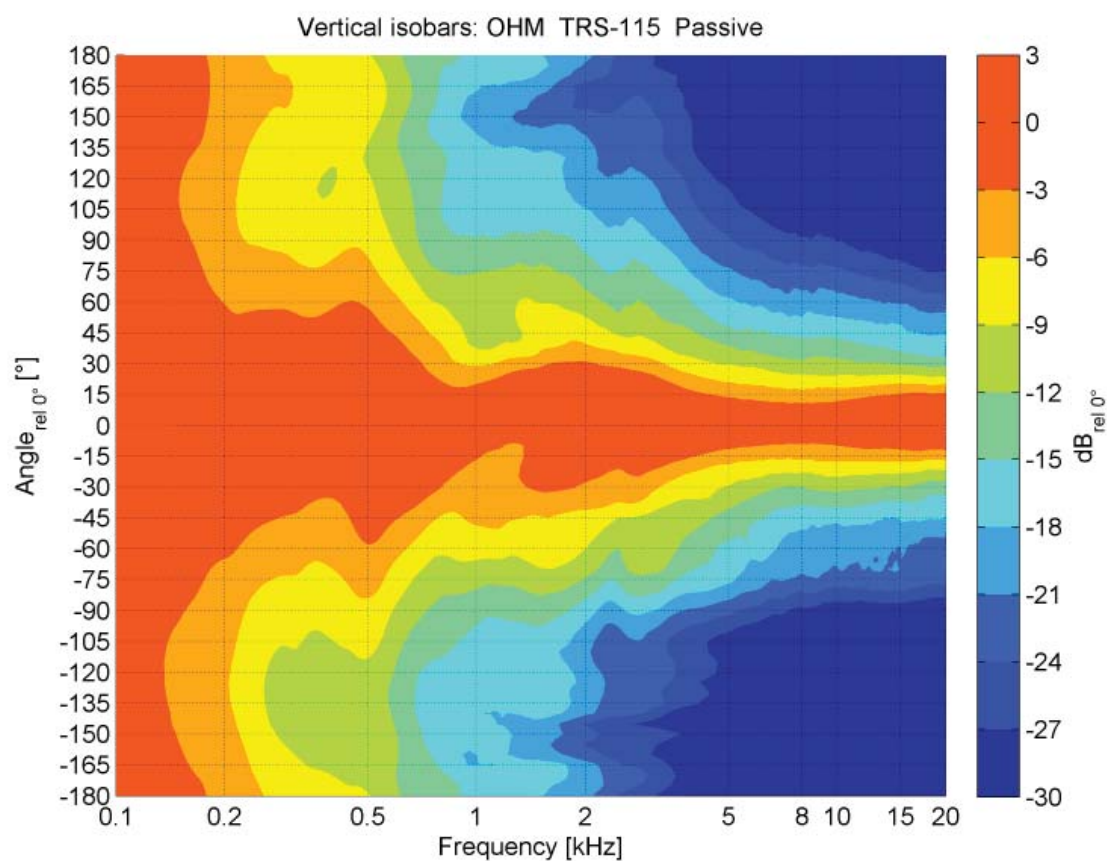
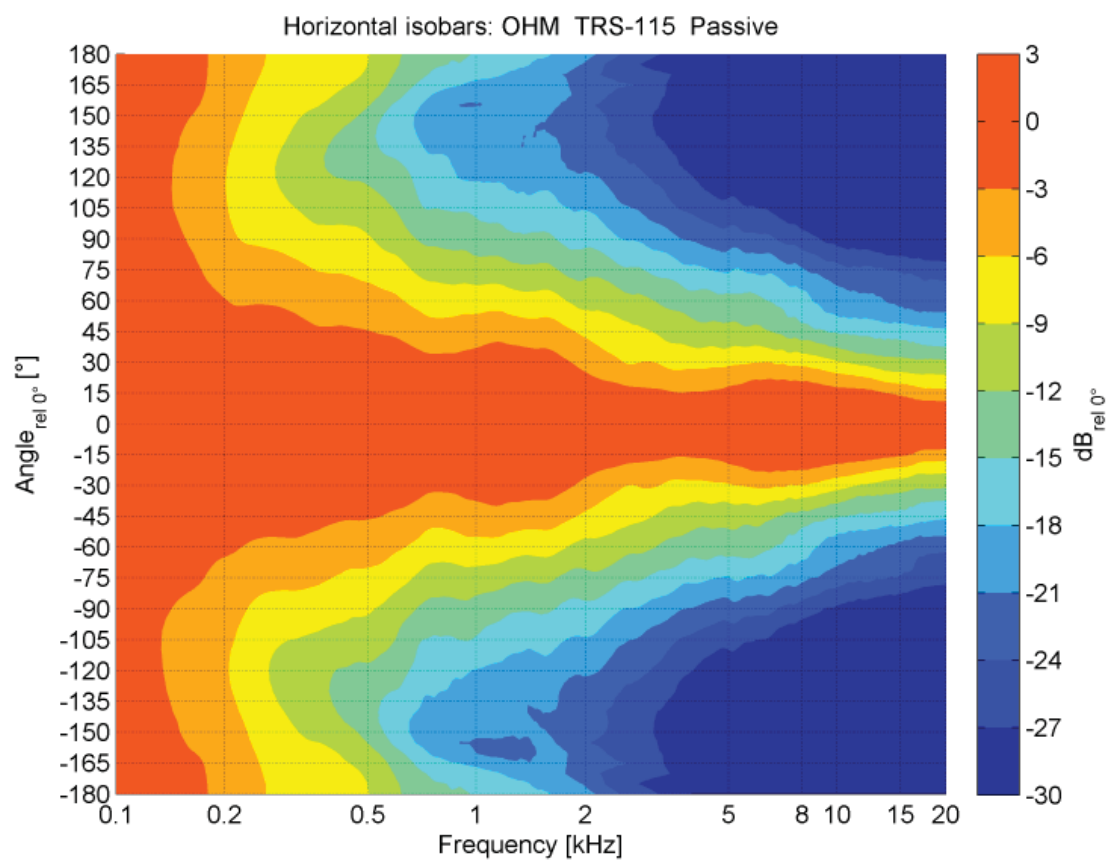
Recommended filter settings are available on the website ohm.co.uk/downloads

* All presets from the OHM library.

TRS-115 Measurements



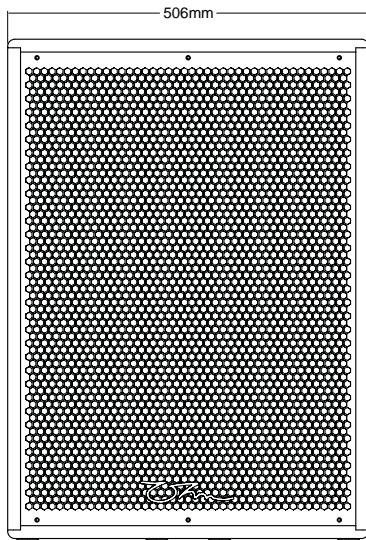




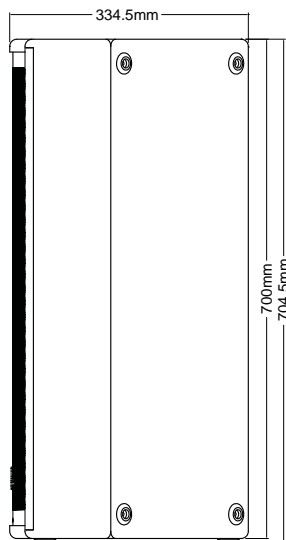
All Measurements are executed by the IFAA Institute for Acoustics in Aachen, Germany
measurement conditions 4Pi environment for full range cabinets, 2Pi environment for subwoofers.

TRS-115 Dimensions

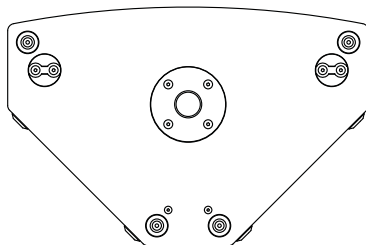
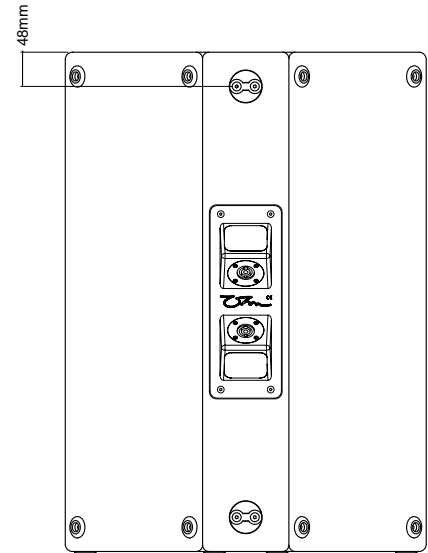
Front



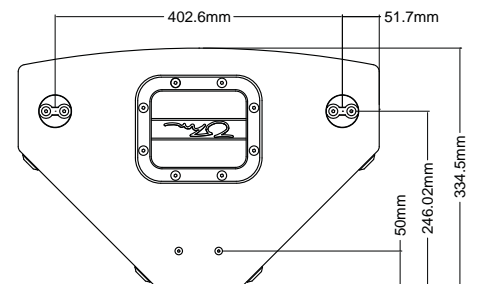
Side



Back



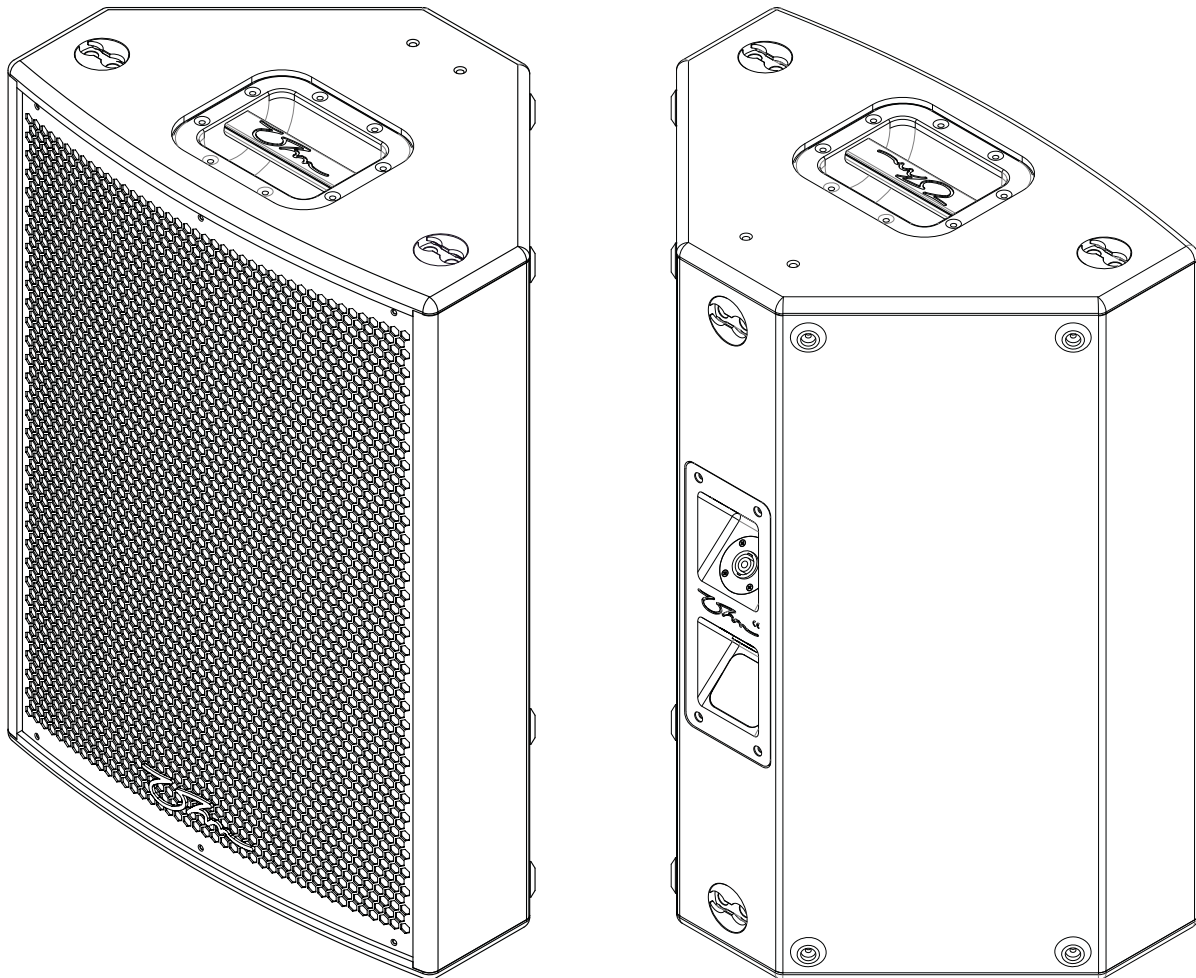
Bottom



Top

Further technical drawings for architectural requirements are available in DXF and DWG format for download on the website.

TRS-115 3D View



Accessories and Spare Parts

- TH-1 Cast aluminium top hat
- LWB-PT large wall bracket pan and tilt with 35mm spigot,
- CFEK Set of three flying eyes
- CPMK Recessed flying points
- LWB Large wall bracket
- SS-1 Speaker stand
- TP-1 Adjustable threaded pole
- TRS-115 steel grill assembly
- TRS-115 backplate and crossover
- 1 x 15" low frequency driver
- 1 x 1.5" horn loaded compression driver
- Steel OHM logo

Architects' & Engineers' specifications:

2-Way dynamic loudspeaker in a multi purpose enclosure design, housing 1 x 15" proprietary OHM low mid bass driver, internally and externally ventilated double sided high temperature voice coil, 1.5" exit compression driver on 60° x 40° CD horn. Homogeneous radiating behaviour and linear response from 300 Hz. Integrated passive crossover with HF protection and phase optimization. Constructed from different multi-laminated wood, eco-friendly scratch resistant paint, 6 x flying points, omni-mounting point for stand or truss adaptor, skid-proof rubber feet, ergonomic carry handle, kick proof steel grill finished with internal reticulated foam and Ohm logo.

Technical Data:

Frequency Response: 68 Hz - 21 kHz (-10dB), 81 Hz - 20 kHz (±3 dB), Continuous SPL: 129 dB/1m, Program SPL 132 dB/1m, Peak 135 dB/1 m. Power Handling: 500 Watt cont. IEC268 AES, Maximum Power Handling: 1000 Watt prog. / 2000 Watt peak, Impedance Nominal: 8 ohm, Dispersion Nominal: 60° x 40° (hor. x vert.), Connectors: 2 x 4 pole speakON® connectors NL4MP (1+/1-, 2+/2- links). Dimensions (H x W x D): 704 mm x 506 mm x 334.5 mm, Weight: 31 kg. Options: Durable scratch resistant black textured paint finish. RAL colours available to order.

Safety Instructions

Professional speaker systems are able to produce sound pressure levels that could harm your health.

Never stand directly in front of loudspeakers for long periods. Whilst not immediately apparent to the listener, sound pressure levels in excess of 90dB@1m can be hazardous to the hearing.

Please refer to the following advice when setting up or dismantling OHM speaker systems.

1. Be sure to leave adequate distance between speakers and the public. Refer to your local authority for Health and Safety guidance when using loudspeaker systems.
2. Be sure to have safe and stable ground for your speakers, particularly when using speaker stands.
3. When stacking speaker systems, ensure they are secured to prevent individual speakers from falling down or moving around.
4. Only use OHM mounting hardware, as this has been specified and approved by AURAL LTD, OHM (UK) LTD for use with OHM speakers.
5. When flying speakers, appropriate materials and techniques must be employed in order to safely suspend enclosures, taking care to allow for specified enclosure weight.
6. Please observe any special instructions that appear on specific loudspeaker data-sheets.
7. Check your speaker hardware and flying material regularly for any visual or mechanical failure. Replace damaged or suspect items when necessary.

Safety Instructions Cont.

8. Only use OHM DSP Solutions. Only technicians authorised by AURAL LTD, OHM (UK) LTD are qualified to program digital controllers. Take note of recommended controllers as specified on the datasheets. Do not use OHM loudspeaker systems without the correct controller. If a system fails due to incorrect controller use, warranty is void.

9. Protect your speakers and electronics from freezing and do not expose them to humidity, water or rain without protection.

OHM loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from original date of purchase. At the discretion of AURAL LTD, OHM (UK) LTD, the defective item will be repaired/replaced with no charge for materials or labour. The item is to be adequately packed and dispatched, pre-paid, to an OHM authorised distributor/service centre. Unauthorised repair shall void the warranty. The OHM warranty does not cover cosmetics or finish and does not apply to any item which in OHM's opinion has failed due to user abuse, accident, modifications or any type of misuse.

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