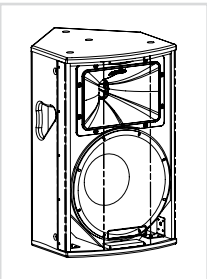
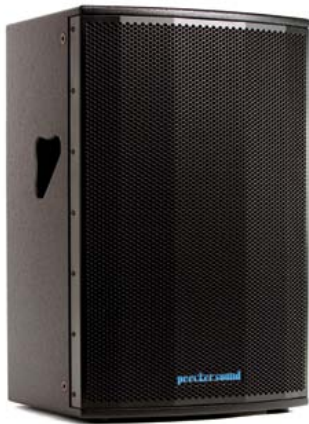


4015MH • 4015MH/A
2-way passive/active loudspeaker systems with Modelled Horn

FORTY series



DESCRIPTION

Extremely compact, full-range 2-way speakers with a very wide frequency response and excellent power handling capability (with a pressure generating capability of over 131 dB). Particularly suitable for use in dance clubs, rehearsal rooms and multi-purpose halls. Thanks to their special geometric design, both models are perfect as floor-standing monitors.

COMPONENTS

The 4015MH and 4015MH/A models have a high-power 15" woofer with Neodymium magnet and treated with weatherproofing resins. The HF section consists of the Alluminum AWSH™ (Acoustic Wave Shaped Horn) with proprietary technology and a 90°x50° dispersion angle, coupled with a 1" Mylar driver. The electronic parts are made of high quality components (minimum phase rotation crossovers, copper coils with Kapton formers containing Ferrite powder) providing excellent power handling and remarkable sound quality.

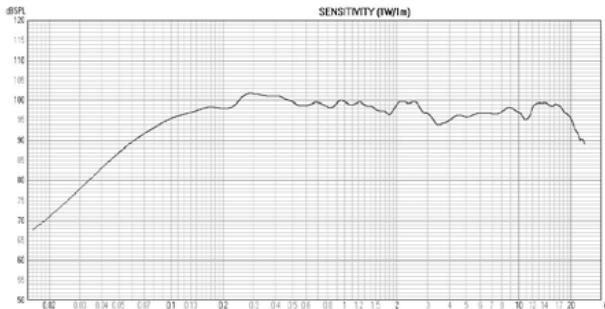
CABINET

The speaker cabinet in Baltic birch plywood is strong enough to withstand all kinds of mechanical oscillations without vibrating. The water-based coating technique with a textured mono-component paint has been expressly designed to protect the cabinet against abrasion, scratching, impact and high humidity levels. The particular shape of the back (angular surface - 114°) makes these systems perfect for stage monitor use.

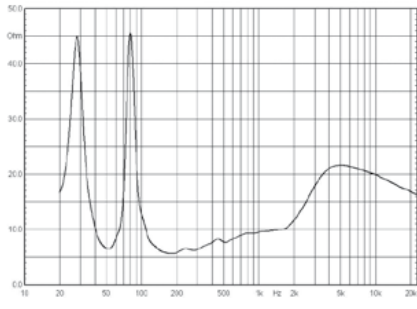
VERSIONS

An active version is available (4015MH/A); it is provided with a 500 W digital amplifier using switching technology and a DSP (Digital Signal Processor), with 2 different high-pass frequency cuts that the user can select through a proper switch located on the rear panel.

FREQUENCY RESPONSE



IMPEDANCE RESPONSE (4015MH)



TECHNICAL FEATURES

| | |
|---------------------------------|------------------------------|
| System configuration (4015MH) | 2-way passive speaker |
| System configuration (4015MH/A) | 2-way active speaker |
| Power handling RMS | 550 W |
| Power handling Music | 1100 W |
| Power handling Peak | 2200 W |
| Frequency response (-6 dB) | 55÷20k Hz |
| Nominal impedance (4015MH) | 8 Ω |
| Dispersion angle (-6 dB) | 90° horizontal, 50° vertical |
| Axial sensitivity (1W@1m) | 99.5 dB |
| Continuous SPL (@1m) | 127 dB |
| Peak SPL (@1m) (4015MH) | 133 dB |
| Peak SPL (@1m) (4015MH/A) | 131 dB |
| Crossover frequency | 1.8 kHz |

AMPLIFIER DATA (4015MH/A)

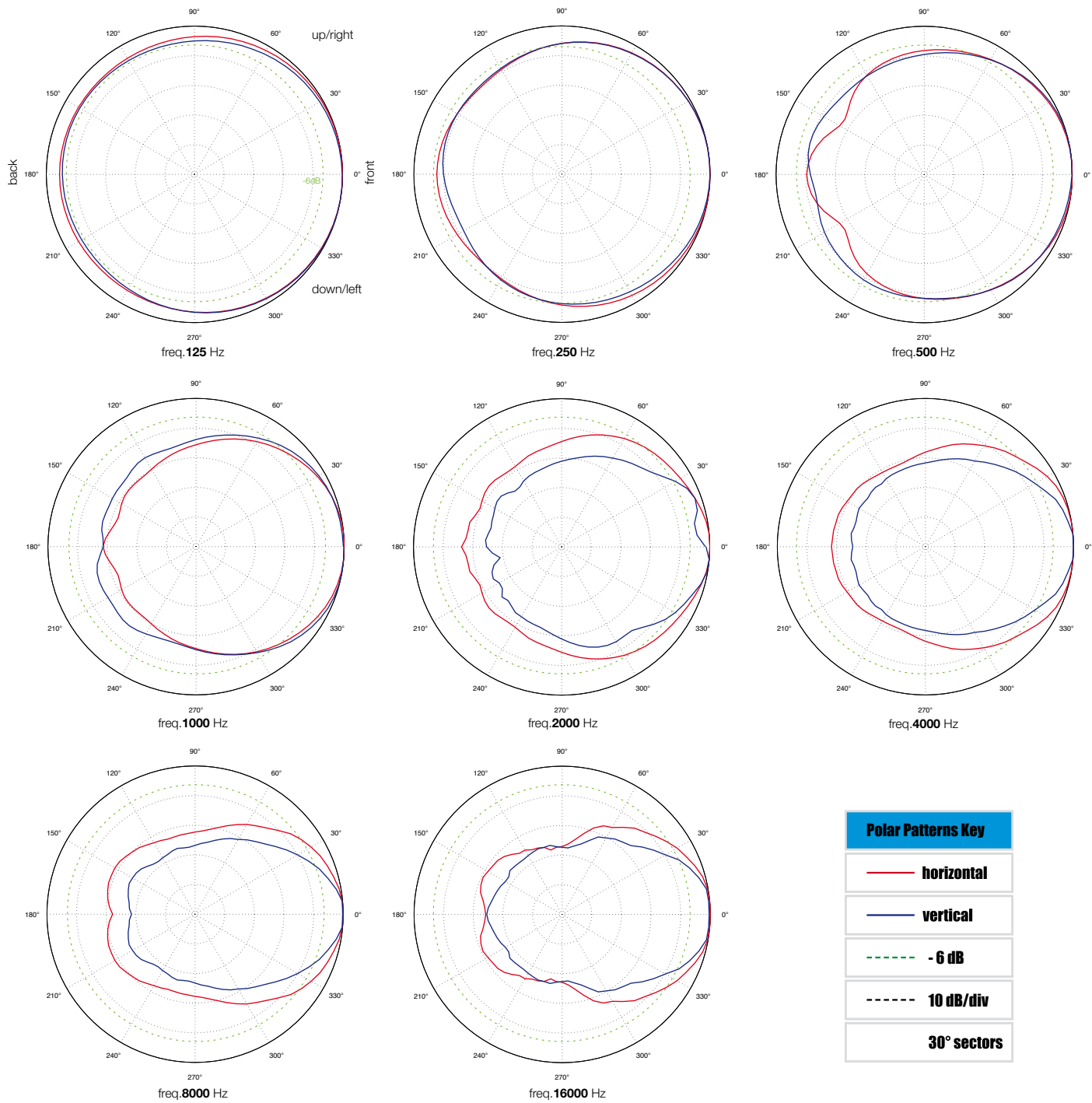
| | |
|--------------------------|--|
| Audio input | XLR with loop through - max +10 dBu |
| Panel indicators | LED: power, signal, limit |
| Panel controls | Mode A (full range)/Mode B (HPF) switch, level control |
| DSP processing | 24 bit/96 kHz (2 sel. presets) |
| Amplification power | 500 W - class D |
| Efficiency | > 90% typical |
| Protection systems | over current, temperature, brownout, soft start |
| Power supply | switching technology |
| AC power connector | Neutrik® powerCON |
| AC power operating range | automatic 115/230 VAC ± 10%, 45/65 Hz |

TRANSDUCERS

| | |
|------------------------------|--------------------------|
| LF sub system | 1x15" - neodymium magnet |
| Nominal impedance | 8 Ω |
| Nominal power handling (AES) | 500 W |
| Sensitivity (1W@1m) | 100 dB |
| HF sub system | 1x1" |
| Diaphragm | DOME, mylar |
| Voice coil | 1.4", aluminium |
| Throat diameter | 1" |
| Nominal impedance | 8 Ω |
| Nominal power handling (AES) | 50 W |
| Sensitivity (1W@1m) | 105 dB |
| Horn | AWSH™ |
| Material | aluminium |
| Manufacturing process | die casting |

All measurements have been taken in Sound Corporation R&D laboratories

4015MH POLAR PATTERNS (normalized, ref on axis, passive X-over)



Polar Patterns Key

horizontal

vertical

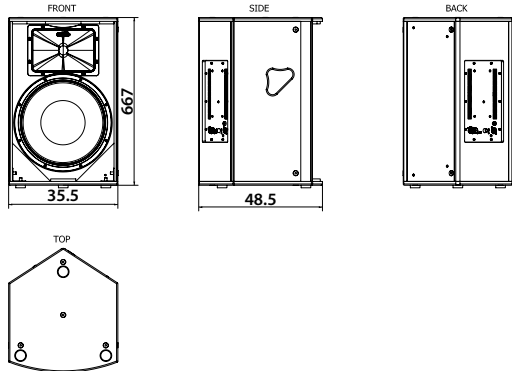
- 6 dB

10 dB/div

30° sectors

PHYSICAL

| | |
|---------------------------|---|
| Cabinet | birch plywood |
| Colour | black |
| Input connectors (4015MH) | 2 x NL4 Neutrik® speakON |
| Grille | perforated steel (Ø 6 mm, 7.2 mm step) with acoustically transparent foam |
| Suspension accessories | STD-4015, STD-WALL, PS-OC6 |
| Dimensions (WxHxD) | 43 x 67 x 48.5 cm |
| Net weight (4015MH) | 23.5 kg |
| Net weight (4015MH/A) | 24.5 kg |



SOUND REINFORCEMENT

CONTROLLED RADIATION

ACOUSTIC RESEARCH