

Royal Audio engineers have now incorporated significant improvements throughout the range to take the High Scale(HS) Series to a new level of performance. Drivers and crossover networks have been improved and all low frequency drivers used in two-way systems now benefit from the addition of aluminium demodulating rings to minimise the variation in voice coil inductance as the coil moves in the gap. The result is improved midrange clarity and reduced intermodulation distortion at high excursions, ensuring that the sound balance and quality is maintained even at high levels.

In the development of the HS Series, special attention has also been given to matching the directivity of the low frequency drivers to the HF horns in the crossover region. This has been achieved by careful choice of LF cone profiles, together with improvements in crossover design.

The high power HS Series is a high performance, wide-bandwidth system in a compact and efficient package. Extended frequency response is provided by a new LF driver and a new exit compression driver mounted on a rotatable constant directivity HF horn. The new LF driver features a tough, water resistant cone and a lightweight, high BL, neodymium motor system with inside/outside coil windings for improved heat transfer. An aluminium demodulating ring reduces distortion and improves midrange clarity at high levels and increased excursion is available via a triple roll surround and deep motor structure. The new HF driver utilises a titanium diaphragm with controlled break-up modes for improved sonic performance at high frequencies and the crossover design and LF cone profile have been optimized to match the directivity of the HF horn and LF section through the crossover region.

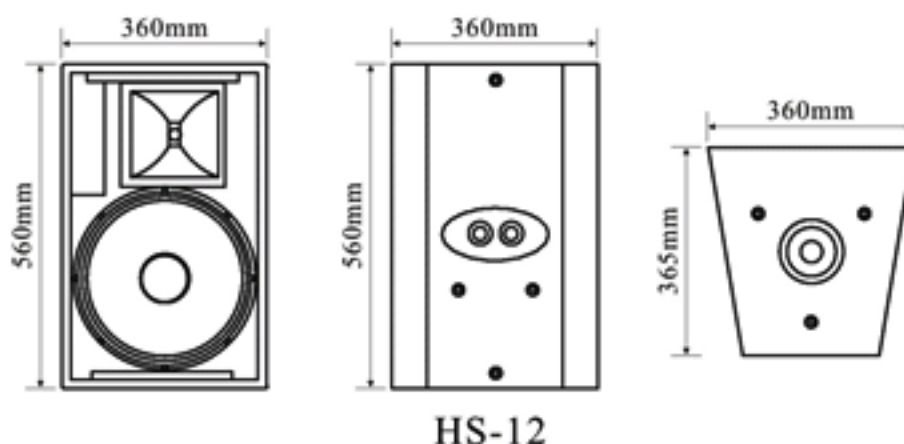
## HS-12

### Features

Compact two-way passive system  
 User rotatable 80 x 50 wide-angle horn  
 1.75 (44.5mm) polyimide diaphragm aluminum compression driver of B&C Speaker  
 12(320mm) with 3(76mm) aluminum voice coil die-cast aluminum basket cone driver of B&C Speaker  
 Top hat fitting for speaker stand mounting

### Applications

Live club performance  
 Club sound reinforcement  
 Club installs  
 Nightclub installs.  
 AV presentations

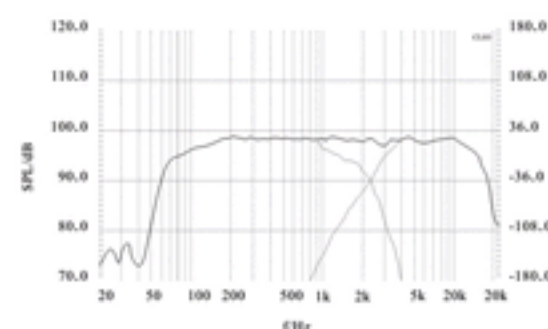


### HS-12 12寸2分频全频喇叭

喇叭单元均采用现今各大知名音响品牌使用的意大利B&C Speaker 出品的顶级单元。该系列单元拥有最宽的频响范围，均衡的频率响应和最大的灵敏度输出，加上专业的箱体设计和历经无数经验积累的分频器设计，创造出领先于众多知名音响厂家出品的顶级喇叭。适用于有高要求的扩声系统，主要用于小型扩声场所的主设备和大中型扩声场所的辅助设备。

## Parameter

Type	HS-12
Frequency Range	40-20KHz(-10dB)
Max.SPL/1m	131dB
Coverage	80x50(H° xV° )
Impedance	8 Ω
RMS Power	400W
Peak Power	1600W
HF Transducer	1.75" compression driver(horn-load)
LF Transducer	12" cone driver (base reflex)
Crossover	1.4KHz
Sensitivity	99dB
Connectors	2xNeutrik NL4MPR
Enclosure Material	15mm plywood
Dimension	360x560x365mm
Weight	23Kg



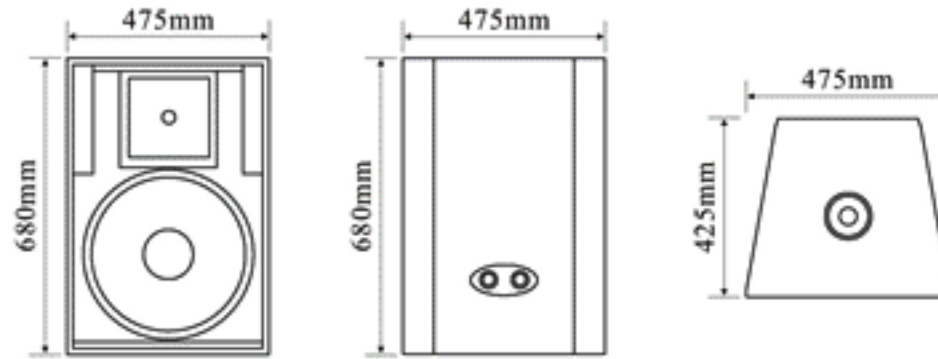
## HS-15

### Features

Compact two-way passive system  
 User rotatable 80 x 50 wide-angle horn  
 1.75 (44.5mm) polyimide diaphragm aluminum compression driver of B&C Speaker  
 15(380mm) with 3(76mm) aluminum voice coil die-cast aluminum basket cone driver of B&C Speaker  
 Top hat fitting for speaker stand mounting

### Applications

Live club performance  
 Club sound reinforcement  
 Club installs  
 Nightclub installs.  
 AV presentations



HS-15



## Parameter

Type	HS-15
Frequency Range	40-20KHz(-10dB)
Max.SPL/1m	132dB
Coverage	80x50(H° xV°)
Impedance	8 Ω
RMS Power	450W
Peak Power	1800W
HF Transducer	1.75" compression driver(horn-load)
LF Transducer	15" cone driver (base reflex)
Crossover	1.5KHz
Sensitivity	100dB
Connectors	2xNeutrik NL4MPR
Enclosure Material	15mm plywood
Dimension	475x680x425mm
Weight	33Kg

### HS-15 15寸2分频全频喇叭

喇叭单元均采用现今各大知名音响品牌使用的意大利B&C Speaker 出品的顶级单元。精心打造的设计的路与内部声场空间，创造出的顶级精品喇叭。适用于有高要求的扩声系统，主要用于大中型扩声场所的主扩音设备。

