

Twin6 Be

Professional analog
monitoring speaker



- **Beryllium inverted dome tweeter**

The inverted dome tweeter is a hallmark of Focal. As a result of more than twenty years of development into a tweeter that could produce a high output, but without requiring high energy input and without increasing directivity. The introduction of the pure Beryllium dome, capable of covering 5 full octaves from 1,000 to 40,000Hz constitutes a new decisive advance regarding new audio formats. This tweeter capacity to reproduce high frequencies with unmatched speed and transparency. At first the pure Beryllium tweeter was only available on the very high-end digital speakers of the Focal Professional lines (SM8 & SM11), but is now featured on the new SM6 series, allowing an unprecedented price/performance ratio.

- **The "W" cone**

Focal has been developing the technologies of composite sandwich cones for more than 15 years. The "W" process (Glass/Foam/Glass), used on the SM11, SM8 and SM6 lines, provides a true optimization of the frequency response by fine tuning of mass, rigidity and damping parameters. The balance between these 3 fundamental and often contradictory parameters is at the base of the outstanding sound neutrality of our speakers.

- **A custom designed amplification stage**

Designing an amp to be integrated inside a speaker requires a very different set of rules than for a traditional amp. Speaker size and cooling concerns are often in contradiction with the high quality and high power requirements of a sonically transparent speaker. Our engineers used the BASH® technology to develop the bass/medium amplification circuit for the SM6 professional line of speakers. This was the only way to exploit the best of class AB style circuits (for exceptional quality) with a class D type yield, which is crucial when housing a 150W RMS circuit in such a small space (300W RMS for the Twin 6 and 350W RMS for the Sub6). A pure class AB circuit is sufficient to power the -less energy demanding- high frequency tweeter, allowing for an extremely wide bandwidth and exceptional accuracy.



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Technical specifications

Performance

Frequency response	40Hz - 40kHz
Maximum SPL	115dB SPL (peak @ 1m)

Electronic section

Inputs	Type / Impedance Connector Sensitivity	Electronically balanced / 10 kOhms XLR Adjustable, +4dBu or -10dBV
Bass Bass - Midrange Treble		150W rms, BASH® technology 150W rms, BASH® technology 100W rms, class AB
Power supply	Local supply Connection	230V (2A fuse) 115V (4A fuse) IEC inlet and detachable power cord
User controls and indicators		Input sensitivity selector Midrange driver selector (right/left) Adjustable tweeter and woofer levels by potentiometers On/off switch, voltage selector
Light indicator		Power On LED

Transducers

Woofer	2 x 6W4370B, 6 ^{1/2} " (16.5cm) Focal "W" composite sandwich cone drivers
High frequency	TB871, Focal Beryllium inverted dome tweeter
Shielding	Integral through cancellation magnets / cans or by magnet design

Cabinetwork

Construction	7 ^{1/2} " (19mm) MDF panels
Finish	Dark red natural veneering side panels, black body
Dimensions (HxLxD)	9 ^{13/16} " x 19 ^{11/16} " x 13 ^{3/8} " (250mm x 500mm x 340mm)
Weight	30.8lb (14kg)

The technical specifications of these products may be modified.