

# 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

<b>Performance</b>		
Frequency response	40Hz - 40kHz	
Maximum SPL	115dB SPL (peak @ 1m)	
<b>Electronic section</b>		
Inputs	Type / Impedance	Electronically balanced / 10 kOhms
	Connector	XLR
	Sensitivity	Adjustable, +4dBu or -10dBV
Bass	150W rms, BASH® technology	
Bass - Midrange	150W rms, BASH® technology	
Treble	100W rms, class AB	
Power supply	Local supply	230V (2A fuse) 115V (4A fuse)
	Connection	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	
<b>Transducers</b>		
Woofer	2 x 6W4370B, 6 <sup>1/2</sup> " (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	
<b>Cabinetwork</b>		
Construction	7 <sup>1/2</sup> " (19mm) MDF panels	
Finish	Dark red natural veneering side panels, black body	
Dimensions (HxLxD)	9 <sup>13/16</sup> x 19 <sup>11/16</sup> x 13 <sup>3/8</sup> " (250mm x 500mm x 340mm)	
Weight	30.8lb (14kg)	

The technical specifications of these products may be modified.