

QUANTUM 1000

	QUANTUM 1009	QUANTUM 1005	QUANTUM 1003	QUANTUM CENTER 1000
Principle	3 way, double bass, bass reflex	2 way bass reflex, double bass	2 way bass reflex	2 way bass reflex, double bass
Equipment	25 mm tweeter 170 mm midrange 2 x 200 mm woofer	25 mm tweeter 2 x 6.5" Midrange-woofer	25 mm tweeter 170 mm woofer-midrange	25 mm tweeter 2 x 6.5" Midrange-woofer
Power Handling (RMS / Max.)	320 / 600 watts	200 / 500 watts	140 / 220 Watt	160 / 250 watts
Sensitivity (2.8V/1m)	93 dB	92 dB	90 dB	91 dB
Impedance	4 – 8 Ohm	4 – 8 Ohm	4 – 8 Ohm	4 – 8 Ohm
Frequency Response	18 – 75000 Hz	21 – 75.000 Hz	28 – 75000 Hz	28 – 75000 Hz
Crossover Frequencies	380 Hz / 2.600 Hz	380 Hz / 2.600 Hz	2.800 Hz	380 Hz / 2.600 Hz
Recommended Amplifier Output	> 35 Watt	> 35 Watt	> 30 Watt	> 35 Watt
Dimensions (WxHxD)	275 x 1250 x 390 mm	240 x 1100 x 330 mm	230 x 360 x 315 mm	586 x 205 x 315 mm
Weight	49 kg	49 kg	11.2 kg	49 kg
Cabinet surface	High glossy black/side reinforcement black-stained walnut with high gloss finish High glossy white/side reinforcement natural walnut with high glossy finish	High glossy black/side reinforcement black-stained walnut with high gloss finish High glossy white/side reinforcement natural walnut with high glossy finish	High glossy black/side reinforcement black-stained walnut with high gloss finish High glossy white/side reinforcement natural walnut with high glossy finish	High glossy black/side reinforcement black-stained walnut with high gloss finish High glossy white/side reinforcement natural walnut with high glossy finish

Loudspeaker:

Cabinet:

- Separate tweeter case
- Airflex ports with extremely large opening areas to guarantee best-possible bass coupling
- High-quality high-gloss varnish finish
- Double-walled side panels with varying material thickness to reduce case resonances
- Case cover in a double-walled sandwich design
- Generous bracing inside the case with chassis support
- Sturdy MDF case with low-resonance baffle and genuine-wood veneer
- Removable protective fabric grille with optimum sound transmissivity and concealed magnet fastenings
- Rubber spikes included (Quantum Center 1000)
- Low-resonance spikes made from solid aluminium (Quantum 1005, Quantum 1009)

Tweeter:

- f-max Signature tweeter with a particularly wide surround for optimised dispersion characteristics at frequencies above 20 kHz
- Solid aluminium front panel with short horn and improved case coupling to reduce unwanted case vibrations
- Dome made from precision fabric hand-coated with ceramic particles
- Copper cap in the magnet system for harmonic distortion optimisation
- Generous magnet ventilation with low natural resonance
- Double front ventilation to avoid desymmetrisation of the voice coils` zero position at high levels

Woofer / midrange:

- Generously vented die-cast basket for preventing turbulence and compression effects
- Distortion-optimised magnet with double induction rings and stray-field optimisation
- Controlled Flexing Cone: New type of cone geometry for controlled dispersion of bending waves in the mid-range and consequently better bandwidth

- Particularly flat cone shape with adapted dome with dust cap on the woofer for improved time synchronisation with the tweeter and optimised omnidirectional characteristics (Quantum 1003, Quantum 1005, Quantum 1009)
- Sophisticated voice coil ventilation for a particularly high degree of resilience

Crossover:

- 24 dB LKR topology with transformer core coils and audiophile PP capacitors
- Crossover on two separate circuit-boards to optimise use with bi-wiring (Quantum 1005, Quantum 1009)
- Crossover mechanically isolated from the case
- High-quality internal Oehlbach® wiring

Connections:

- Large bi-wiring terminal with solid screw connections
- Matt gold-plated loudspeaker terminals sealed with acrylic
- Bi-wiring/Bi-amping option