

# Product Detail Page



## SPH-220HQ

Number: 10.1580

High-quality hi-fi speakers for highest sound requirements. The well-known and successful speakers of the SPH series and MSH series are now available with innovative diecast aluminium baskets, rear-ventilated centering spiders and optimised parameters.

High-quality hi-fi bass speaker, 180 W<sub>MAX</sub>, 100 W<sub>RMS</sub>, 8 Ω

- 200 mm (8") bass speaker
- Further development of the classic speaker SPH-212
- Diecast basket
- Rear-ventilated centering spider and drilled pole core for minimum mechanical loss
- High-quality coated paper cone of low resonance
- Low-loss rubber surround
- Wide and linear radiation range
- Ideally suited in 3-way systems and also suitable in classic 2-way systems for an application range of up to 2,000 Hz and beyond

### HOBBY HIFI 04/2013

"Excellent sound, powerful bass reproduction and good level stability. It features an outstanding frequency response with perfect linearity. The SPH-220HQ allows for an exceptionally efficient radiation and even the use of a first-order crossover network for an ideal sound."

## Technical Facts

Impedance (Z)	8 Ω
Resonant frequency (fs)	30 Hz
Max. frequency range	f3-4,000 Hz
Music power	180 W <sub>MAX</sub>
Power rating (P)	100 W <sub>RMS</sub>
SPL (1 W/m)	90 dB
Suspension compl. (Cms)	1.06 mm/N
Moving mass (Mms)	24.7 g
Mech. Q factor (Qms)	3.06
Electr. Q factor (Qes)	0.46
Total Q factor (Qts)	0.40
Equivalent volume (Vas)	80 l
DC resistance (Re)	6.1 Ω
Force factor (BxL)	7.63 Tm
Voice coil induct. (Le)	0.9 mH
Voice coil diameter	Ø 37 mm
Voice coil former	aluminium
Linear excursion (XMAX)	± 5.5 mm



---

Eff. cone area (Sd)	232 cm <sup>2</sup>
Magnet weight	550 g
Weight	1.83 kg

---

