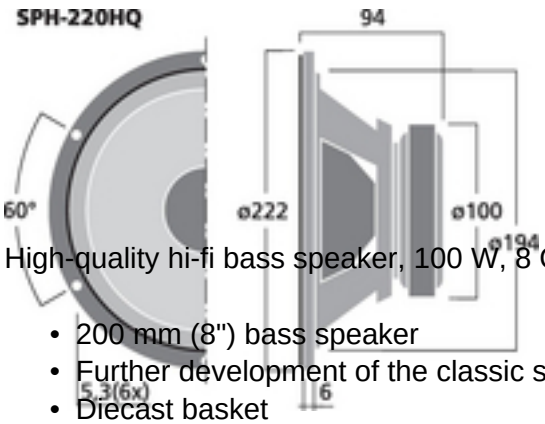
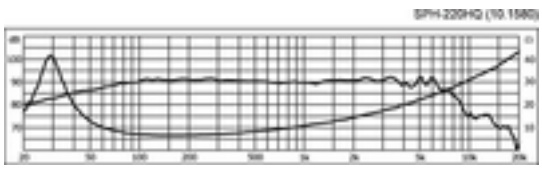
SPH-220HQ - HiFi Woofer







High-quality hi-fi bass speaker, 100 W, 8 Ohm

- 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 for 3-way systems and also suitable for traditional 2-way systems in 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 data:

Impedance (Z)	: 8 Ohm
Transmission technology	: -
Frequency range	: f3-4,000 Hz
Resonant frequency (fs)	: 30 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 100 W
Peak music power output (MAX)	: 180 W
SPL	: 90 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
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 Ohm
Force factor (BxL)	: 7.63 Tm
Voice coil induct. (Le)	: 0.9 mH
Voice coil diameter	: Ã˜ 37 mm
Voice coil former	: aluminium
Linear excursion (X_{MAX})	: ± 5.5 mm
Eff. cone area (Sd)	: 232 cm^2
Magnet weight	: 550 g
Magnet diameter	: Ã˜ 100 mm
Mounting cutout	: Ã˜ 194 mm
Mounting depth	: 88 mm
Mounting hole diameter	: Ã˜ 212 mm
Hole spacing X-axis	: -
Hole spacing Y-axis	: -
Dimensions	: Ã˜ 222 mm x 94 mm
Outside diameter	: Ã˜ 222 mm

Width	: Ã˜ 222 mm
Height	: -
Depth	: 94 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 1.83 kg
Packing unit	: 1
Type of speaker	: 8"
Packing dimensions (W x H x L)	: 0.25 x 0.18 x 0.25 m
Gross weight	: 2.25 kg
Net weight	: 1.834 kg
Low-impedance	: 1