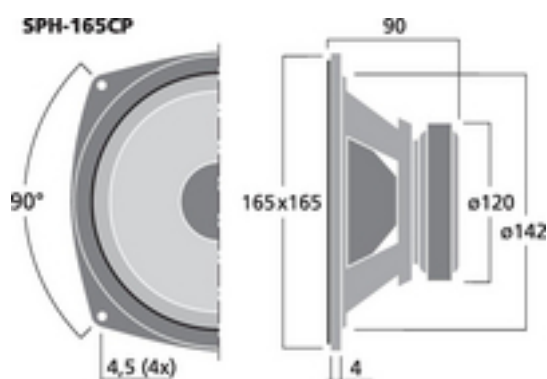
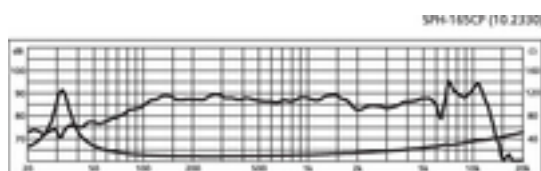


## SPH-165CP - HiFi Woofer



High-performance hi-fi bass-midrange speaker, 80 W, 8 Ohm

- Extra large voice coil (Ø 50 mm)
- Parameters for a deep bass reproduction
- Extra long excursion
- Bass speaker for interesting dual arrangements in very slim 3-way high-performance speaker systems and for 2-way bookshelf speakers of high power capability

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“Requires 13 to 18 litres only. However, still provides an incredibly deep bass reproduction down to almost 30 Hz.”

## Technical data:

Impedance (Z)	: 8 Ohm
Transmission technology	: -
Frequency range	: f3-6,000 Hz
Resonant frequency (fs)	: 30 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 80 W
Peak music power output (MAX)	: 120 W
SPL	: 89 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 1.71 mm/N
Moving mass (Mms)	: 17 g
Mech. Q factor (Qms)	: 4.85
Electr. Q factor (Qes)	: 0.33
Total Q factor (Qts)	: 0.31
Equivalent volume (Vas)	: 38 l
DC resistance (Re)	: 6 Ohm
Force factor (BxL)	: 7.60 Tm
Voice coil induct. (Le)	: 0.7 mH
Voice coil diameter	: $\varnothing$ 50 mm
Voice coil former	: glass fibre
Linear excursion (X <sub>MAX</sub> )	: $\pm$ 4.75 mm
Eff. cone area (Sd)	: 127 cm <sup>2</sup>
Magnet weight	: 840 g + 50 g
Magnet diameter	: $\varnothing$ 120 mm
Mounting cutout	: $\varnothing$ 142 mm
Mounting depth	: 86 mm
Mounting hole diameter	: -
Hole spacing X-axis	: -
Hole spacing Y-axis	: -
Dimensions	: 165 x 165 x 90 mm
Outside diameter	: -

Width	: 165 mm
Height	: 165 mm
Depth	: 90 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 2.57 kg
Packing unit	: 1
Type of speaker	: 6.5"
Packing dimensions (W x H x L)	: 0.17 x 0.11 x 0.17 m
Gross weight	: 2.68 kg
Net weight	: 2.57 kg
Low-impedance	: 1