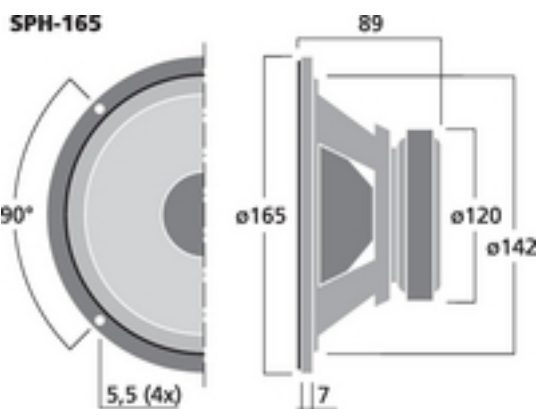
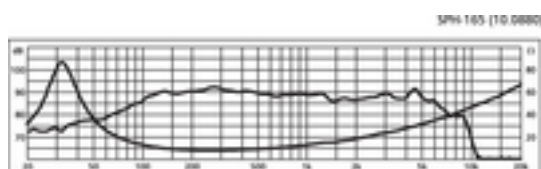


## SPH-165 - HiFi Woofer



Hi-fi bass-midrange speaker, 50 W, 8 Ohm

- Extra strong drive and high power capability
- For general hi-fi applications of high requirements
- Very well-suited for bass-reflex and band-pass cabinets up to horn speaker designs

## Technical data:

Impedance (Z)	: 8 Ohm
Transmission technology	: -
Frequency range	: f3-5,000 Hz
Resonant frequency (fs)	: 33 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 50 W
Peak music power output (MAX)	: 100 W
SPL	: 89 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 1.22 mm/N
Moving mass (Mms)	: 16 g
Mech. Q factor (Qms)	: 2.02
Electr. Q factor (Qes)	: 0.23
Total Q factor (Qts)	: 0.21
Equivalent volume (Vas)	: 36 l
DC resistance (Re)	: 6.5 Ohm
Force factor (BxL)	: 9.70 Tm
Voice coil induct. (Le)	: 1.1 mH
Voice coil diameter	: $\tilde{\text{A}} \sim 35.5 \text{ mm}$
Voice coil former	: aluminium
Linear excursion (X <sub>MAX</sub> )	: $\pm 3.5 \text{ mm}$
Eff. cone area (Sd)	: 137 cm <sup>2</sup>
Magnet weight	: 640 g
Magnet diameter	: $\tilde{\text{A}} \sim 120 \text{ mm}$
Mounting cutout	: $\tilde{\text{A}} \sim 142 \text{ mm}$
Mounting depth	: 82 mm
Mounting hole diameter	: -
Hole spacing X-axis	: -
Hole spacing Y-axis	: -
Dimensions	: $\tilde{\text{A}} \sim 165 \times 89 \text{ mm}$
Outside diameter	: $\tilde{\text{A}} \sim 165 \text{ mm}$

Width	: Å~ 165 mm
Height	: -
Depth	: 89 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 2.235 kg
Packing unit	: 1
Type of speaker	: 6.5"
Packing dimensions (W x H x L)	: 0.175 x 0.11 x 0.175 m
Gross weight	: 2.415 kg
Net weight	: 2.235 kg
Low-impedance	: 1