

Components Speaker Technology

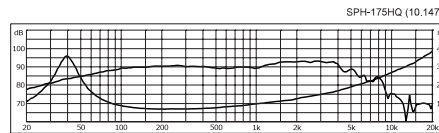
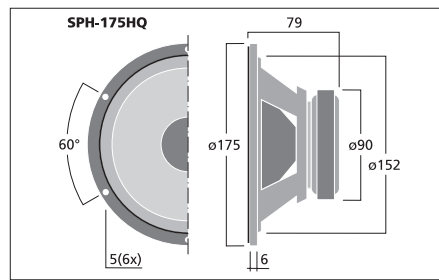
SPH-175HQ

Order No. 10.1470



High-quality hi-fi bass-midrange speaker, 70 W, 8 Ω

- 175 mm (6 3/4") bass-midrange speaker
- Further development of the classic speaker SPH-176
- Diecast basket
- Rear-ventilated centering spider for minimum mechanical loss
- Scooped, air-dried, low-resonance paper cone
- Low-loss rubber surround
- Wide and linear radiation range
- Ideal parameters for bass-reflex systems



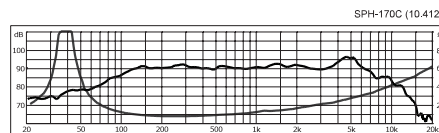
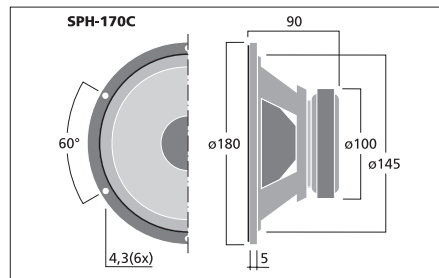
SPH-170C

Order No. 10.4120



High-end bass-midrange speaker, 60 W, 8 Ω

- Cone with excellent damping
- Extra long excursion
- Low distortion
- Particularly natural reproduction
- Very low limit frequency
- Ideally suited as a bass-midrange speaker in 2-way combinations but only requires small volumes



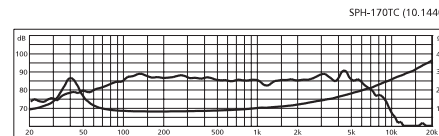
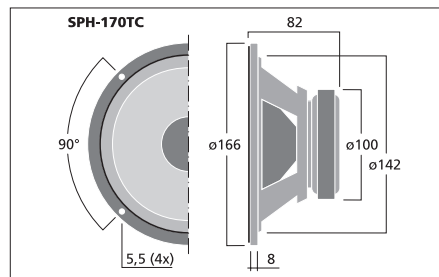
SPH-170TC

Order No. 10.1440



Hi-fi bass-midrange speaker, 2 x 40 W, 2 x 8 Ω

- Dual voice coil
- Polypropylene cone with a good midrange attenuation
- Suitable for both very small subwoofers and high-performance 2-way speaker systems



Model	SPH-175HQ	SPH-170C	SPH-170TC
Impedance (Z)	8 Ω	8 Ω	2 x 8 Ω
Frequency range	f3-4,000 Hz	f3-3,500 Hz	f3-5,000 Hz
Resonant frequency (fs)	39 Hz	38 Hz	33 Hz
Power rating (RMS)	70 W	60 W	2 x 40 W
Peak music power output (MAX)	120 W	120 W	2 x 60 W
Sensitivity	89 dB/W/m	88 dB/W/m	88 dB/W/m
Suspension compl. (Cms)	1.2 mm/N	1.06 mm/N	1.38 mm/N
Moving mass (Mms)	13.9 g	16.43 g	16 g
Mech. Q factor (Qms)	2.57	7.22	2.98
Electr. Q factor (Qes)	0.5	0.27	0.48
Total Q factor (Qts)	0.42	0.26	0.41
Equivalent volume (Vas)	32,95 l	24 l	31 l
DC resistance (Re)	6.5 Ω	6 Ω	2 x 7.5 Ω/ 3.8 Ω
Voice coil diameter	Ø 25 mm	Ø 37 mm	Ø 25.5 mm
Voice coil former	aluminium	Kapton	Kapton
Linear excursion (X _{MAX})	± 5.5 mm	± 4 mm	± 2.25 mm
Eff. cone area (Sd)	140 cm ²	127 cm ²	127 cm ²
Mounting cutout	Ø 152 mm	Ø 145 mm	Ø 142 mm
Dimensions	Ø 175 mm x 79 mm	Ø 180 mm x 90 mm	Ø 166 mm x 82 mm
Weight	1.31 kg	1.99 kg	1.155 kg