

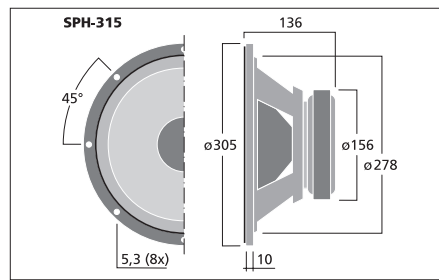
SPH-315

Order No. 10.0910

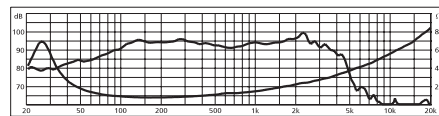


Hi-fi bass speaker, 100 W, 8 Ω

- Multi-purpose speaker of high power capability
- 8-hole screw connection
- Long-term stable rubber surround
- Powerful bass reproduction from medium-sized bass-reflex cabinets



SPH-315 (10.0910)



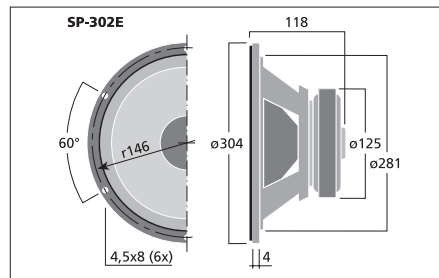
SP-302E

Order No. 10.4000

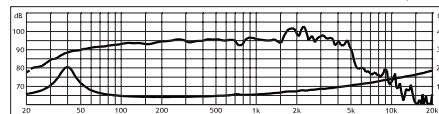


Hi-fi bass-midrange speaker, 100 W, 4 Ω

- Multi-purpose speaker
- Foam surround
- Replacement speaker for closed cabinets



SP-302E (10.4000)



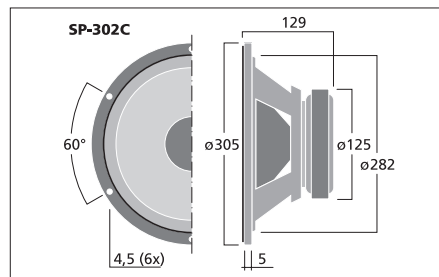
SP-302C

Order No. 10.2820

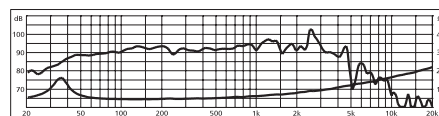


Car hi-fi subwoofer, 150 W, 4 Ω

- 30 cm (12") subwoofer
- Coated cone
- Also suitable as a bass addition for free air applications
- Protruding lower pole plate for an even longer excursion
- Low resonance up to midrange



SP-302C (10.2820)



Model	SPH-315	SP-302E	SP-302C
Impedance (Z)	8 Ω	4 Ω	4 Ω
Frequency range	f3-2,000 Hz	f3-5,500 Hz	f3-3,000 Hz
Resonant frequency (fs)	22 Hz	39 Hz	33 Hz
Power rating (RMS)	100 W	100 W	150 W
Peak music power output (MAX)	200 W	200 W	300 W
Sensitivity	92 dB/W/m	95 dB/W/m	93 dB/W/m
Suspension compl. (Cms)	0.95 mm/N	0.39 mm/N	0.39 mm/N
Moving mass (Mms)	55 g	40 g	62 g
Mech. Q factor (Qms)	2.40	4.24	4.19
Electr. Q factor (Qes)	0.26	0.87	0.71
Total Q factor (Qts)	0.24	0.72	0.61
Equivalent volume (Vas)	330 l	141 l	155 l
DC resistance (Re)	6.1 Ω	3.6 Ω	3.7 Ω
Voice coil diameter	± 50 mm	Ø 50 mm	39 mm
Voice coil former	aluminium	aluminium	aluminium
Linear excursion (X _{MAX})	± 4.5 mm	± 4 mm	± 5 mm
Eff. cone area (Sd)	510 cm ²	518 cm ²	531 cm ²
Mounting cutout	Ø 278 mm	Ø 281 mm	Ø 282 mm
Dimensions	Ø 305 mm x 136 mm	Ø 304 mm x 118 mm	Ø 305 mm x 129 mm
Weight	4.18 kg	2.58 kg	2.535 kg