

SP-312CX

Order No.: 0102240

PRODUCTINFOS

2-way coaxial PA speaker,

with integrated horn tweeter.

- 30 cm (12") PA bass speaker of high power capability and high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 44 mm) high-frequency driver
- Excellent sound characteristics
- Robust diecast basket with rear-ventilated centering spider
- 75 mm (3") heat-resistant voice coil on a polyamide voice coil former (TIL)
- Excellent and consistent radiation pattern
- Ideally suited for stage monitors or very compact full range speaker systems
- Operation only allowed with crossover network (recommended crossover frequency: 1,800 Hz)

Klang+Ton 08,09/2016

“Even at high volume levels which are anything but neighbour-friendly, you can still lean back and enjoy the sound - that's exactly how PA speakers should be. The Stage 12 is a well-balanced speaker system of high efficiency ...”

Klang+Ton 01/2015

“Excellent coaxial speaker.”

TECHNICAL SPECIFICATIONS

SP-312CX	
Impedance (Z)	8 Ω
Frequency range	f3-3,000 Hz
Resonant frequency (fs)	55 Hz (bass), 700 Hz (tweeter)
Power rating (RMS)	250 W (bass) / 50 W (tweeter)
Peak music power output (MAX)	500 W (bass) / 100 W (tweeter)
SPL	97 dB (bass) / 106 dB (tweeter)
Suspension compl. (Cms)	0.16 mm/N
Moving mass (Mms)	56 g
Mech. Q factor (Qms)	3.74
Electr. Q factor (Qes)	0.36
Total Q factor (Qts)	0.33
Equivalent volume (Vas)	64 l
DC resistance (Re)	5.6 Ω
Force factor (BxL)	16.90 Tm
Voice coil induct. (Le)	1.1 mH
Voice coil diameter	Ø 75 mm (bass) / Ø 44 mm (tweeter)
Voice coil former	polyamide (TIL)
Linear excursion (X_{MAX})	± 3.0 mm
Eff. cone area (Sd)	540 cm^2
Magnet weight	1.8 kg
Magnet diameter	Ø 169 mm/Ø 110 mm
Mounting cutout	Ø 280 mm
Mounting depth	195.5 mm
Dimensions	312 x 312 x 210 mm
Width	312 mm
Height	312 mm
Depth	210 mm
Colour	black
Admiss. ambient temp.	0-40 °C
Weight	8.06 kg
Packing unit	1

SP-312CX

Type of speaker	12"
Packing dimensions (W x H x L)	0.395 x 0.27 x 0.395 m
Gross weight	9.31 kg
Net weight	8.06 kg