



FTX-0617

Order No.: 10.5880

Price upon request

PRODUCTINFOS

Professional 2-way coaxial PA speaker, 150 W, 8 Ω

- 165 mm (6½") high-performance PA bass speaker of high efficiency
- Coaxially arranged horn tweeter with 25 mm (1", voice coil = 34 mm) high-frequency driver
- FEA-optimised drive with one common magnet only for high-frequency driver and bass driver. Thus, very low mounting depth for a coaxial speaker
- Integrated demodulation rings for reducing electromagnetic distortions
- Robust diecast basket with rear-ventilated centering spider
- 50 mm (2") heat-resistant voice coil on a glass fibre voice coil former
- High-frequency driver with 34 mm voice coil and polyamide cone
- Nominal radiation angle of horn tweeter: 100°
- Ideally suited for compact PA satellite speakers, studio monitor speakers and hi-fi in combination with subwoofer systems
- Operation only allowed with crossover network (recommended crossover frequency: > 2,200 Hz)

TECHNICAL SPECIFICATIONS

FTX-0617

Impedance (Z)	8 Ω (bass), 8 Ω (tweeter)
Frequency range	110-3,000 Hz (bass) 1,500-22,000 Hz (tweeter)
Resonant frequency (fs)	105 Hz (bass) / 1,200 Hz (tweeter)
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	1,200 Hz
Power rating	150 W (bass) / 40 W (tweeter)
Peak music power output	300 W (bass) / 80 W (tweeter)
Sensitivity	92 dB (bass) / 103 dB (tweeter)
Max. rated SPL	114 dB
Radiation angle, horizontal	100°
Radiation angle, vertical	100°
Suspension compl. (Cms)	0.21 mm/N
Moving mass (Mms)	11 g
Mech. Q factor (Qms)	3.85
Electr. Q factor (Qes)	1.02
Total Q factor (Qts)	0.807
Equivalent volume (Vas)	7 l
DC resistance (Re)	5.57 Ω
Force factor (BxL)	6.28 Tm
Voice coil induct. (Le)	0.23 mH
Voice coil diameter	\varnothing 50 mm (bass) / \varnothing 34 mm (tweeter)
Voice coil former	glass fibre
Linear excursion (X_{MAX})	\pm 2.0 mm
Eff. cone area (Sd)	143 cm ²
Magnet weight	0.88 kg
Magnet diameter	\varnothing 136 mm
Mounting cutout	\varnothing 150 mm
Mounting depth	93 mm
Mounting hole diameter	173-175 mm
Hole spacing X-axis	121-123 mm
Hole spacing Y-axis	121-123 mm
Dimensions	162 x 162 x 93 mm
Outside diameter	\varnothing 188 mm
Width	162 mm
Height	162 mm

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Depth	93 mm
Admiss. ambient temp.	0-40 °C
Weight	2.28 kg
Sales unit	1
Type of speaker	6.5"