

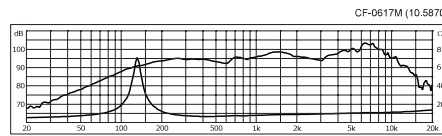
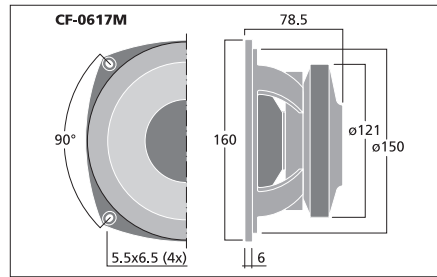
CF-0617M

Order No. 10.5870



PA midrange speaker, 200 W, 8 Ω

- 16.5 cm (6½") PA midrange speaker with an excellent sound, especially suitable for the midrange from 300 Hz on
- High-quality Kevlar fibre-reinforced cellulose cone
- 45 mm heat-resistant voice coil on a Kapton voice coil former
- FEA-optimised drive with copper cap on the pole core for lowest harmonic distortions
- Flat foam surround for minimum mechanical loss
- Robust diecast aluminium basket



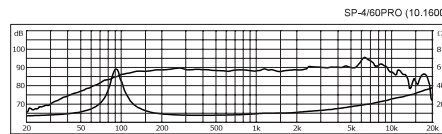
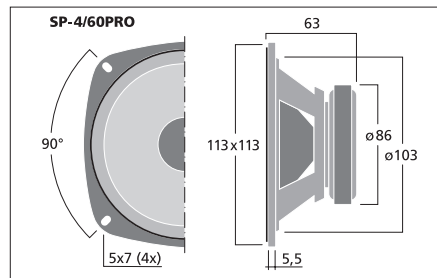
SP-4/60PRO

Order No. 10.1600



PA midrange speaker, 30 W, 8 Ω

- 10 cm (4") PA midrange speaker
- Midrange speaker from the L-RAY/1000
- Very linear and wide frequency range
- Excellent sound and dynamic characteristics
- Very low crossover frequency at subwoofer systems possible due to the great linear excursion for a midrange system
- Ideally suited for small PA systems, column speakers and also as a hi-fi midrange speaker



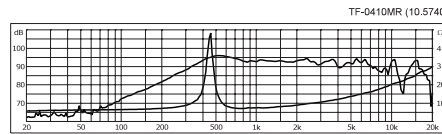
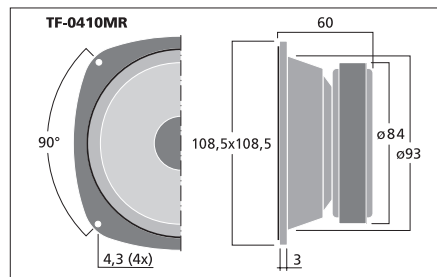
TF-0410MR

Order No. 10.5740



PA midrange speaker, 30 W, 8 Ω

- 10 cm (4") compact PA midrange speaker with closed sheet steel basket
- High efficiency, extended frequency response
- Easy installation, no extra cabinet volume required
- High-quality Kevlar fibre-reinforced cellulose cone
- 25 mm (1") heat-resistant voice coil on a Kapton voice coil former
- With impedance linearisation, can be used from approx. 500 Hz on, otherwise 800-4,000 Hz



Model	CF-0617M	SP-4/60PRO	TF-0410MR
Impedance (Z)	8 Ω	8 Ω	8 Ω
Frequency range	300-7,000 Hz	f3-10,000 Hz	400-5,000 Hz
Resonant frequency (fs)	135 Hz	92 Hz	400 Hz
Power rating (RMS)	200 W	30 W	30 W
Peak music power output (MAX)	350 W	60 W	60 W
Sensitivity	96 dB/W/m	90 dB/W/m	90 dB/W/m
Suspension compl. (Cms)	0.118 mm/N	0.47 mm/N	-
Moving mass (Mms)	11.65 g	6.3 g	-
Mech. Q factor (Qms)	7.49	5.35	-
Electr. Q factor (Qes)	0.6	0.67	-
Total Q factor (Qts)	0.55	0.60	-
Equivalent volume (Vas)	3,95 l	3,04 l	-
DC resistance (Re)	4.98 Ω	6.76 Ω	5.65 Ω
Voice coil diameter	Ø 45 mm	Ø 25 mm	Ø 25 mm
Voice coil former	Kapton	Kapton	Kapton
Linear excursion (X _{MAX})	± 1.2 mm	± 2.3 mm	± 1 mm
Eff. cone area (Sd)	145 cm ²	68 cm ²	58 cm ²
Mounting cutout	Ø 150 mm	Ø 103 mm	Ø 93 mm
Dimensions	160 x 160 x 78.5 mm	113 x 113 x 63 mm	108.5 x 108.5 x 60 mm
Weight	1.79 kg	0.9 kg	0.88 kg