

TANNOY®

INSTALLATION SERIES

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i7

The Tannoy i7 slim cabinet column loudspeaker is designed for acoustically difficult applications where wide yet controlled coverage is required for high quality music and speech reinforcement.

The i7, available in Charcoal or White, consists of four 100mm (4") low frequency direct radiating drive units and one 25mm (1") titanium tweeter positioned as a line source. The coupling effects in the vertical plane result in a narrow (70°) and controlled coverage pattern, with extremely wide horizontal coverage (110°). The complex frequency shading and integration techniques employed in the internal passive crossover network result in a smooth and uniform frequency response from 100Hz to 20kHz.

The controlled dispersion characteristics of the i7 direct sound into the desired space while minimizing reflections from the ceiling, making it ideal for use in highly reverberant environments.

The i7 can operate as a low impedance (8Ω), or 100 Volt / 70.7 Volt distributed line system with the switches located on the rear termination panel. The Tannoy THP 60 Watt transformer, included in the i7, can be selected for 60, 30, 15, 7.5 Watts, providing high system sensitivity with low insertion loss.

The shallow cabinet profile ensures discreet installations close to a wall or ceiling without sacrificing vertical coverage.

The i7's versatile mounting brackets - i7 yoke and i7 MAB (multiple angle bracket) - permit easy vertical, horizontal and tilt adjustments for mounting and flying applications.

FRONT DETAIL



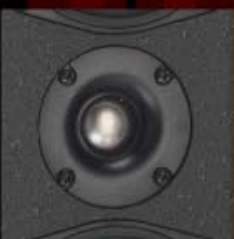
BRACKET DETAIL



CONNECTOR PLATE



TWEETER DETAIL



INSTALLATION SERIES

i7

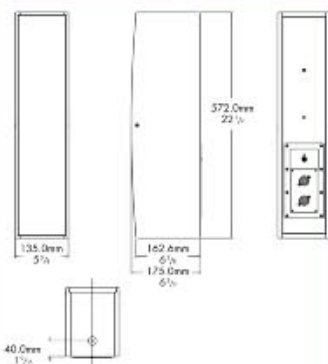
SYSTEM

System Type	Column Loudspeaker
Frequency Response +/- 3dB (1)	90Hz - 20kHz
	-10dB 88Hz
Recommended Amplifier Power	Up to 180 Watt / 8Ω
Power Handling (2)	Average 90 Watt Programme 180 Watt Peak 360 Watt
Sensitivity 2.83 Volts @ 1 metre (3)	Anechoic 89dB Half Space 92dB
Maximum SPL	Average 108dB Peak 114dB
Wattage Tap Selections	60, 30, 15, 7.5 Watts
Switchable Transformer Options	70 Volt / 100 Volt or 8Ω
Impedance	8Ω
Crossover Frequencies	Passive 1.8kHz, 2.5kHz
Dispersion	See Beamwidth Plot 110° x 70° (H x V)
Driver Complement	4 x 100mm (4") bass unit 1 x 25mm (1") Neodymium tweeter

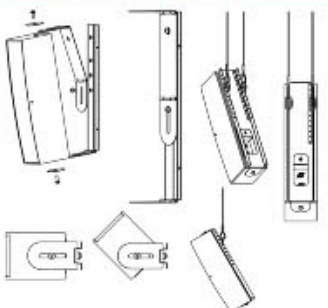
CONSTRUCTION

Enclosure	7.88 litre MDF infinite baffle, with perforated steel grille
Finish	Textured Black or White - paintable
Connectors	2 x Speakon NL4MP IN / OUT
Fittings	2 x M10 threaded inserts for i7Y & i7 MAB brackets
Mounting Options	i7 MAB Multiple angle bracket i7Y i7 Yoke
Dimensions	572 x 135 x 175mm (22 1/2 x 5 3/8 x 6 3/4")
Weight (each)	9kg (19lbs 13oz)
Shipping	Quantity 1 Weight 632 x 200 x 235 mm Pack Dimensions (24 7/8 x 7 7/8 x 9 1/4")

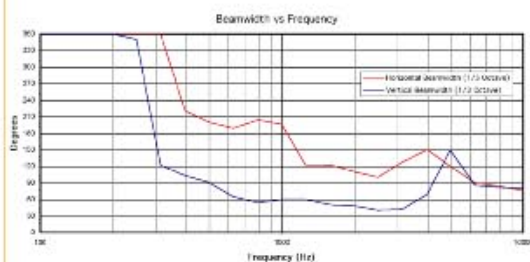
SIDE & FRONT ELEVATION



MOUNTING BRACKET



BEAMWIDTH PLOT



NOTES (1) Average over stated bandwidth. Measured at 1 metre on axis. (2) Long term power handling capacity as defined in IEC standard BS-426A. (3) Unweighted pink noise input, measured at 1 metre in an anechoic chamber.

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

APPLICATIONS

- Reverberant spaces
- Foreground public address systems
- Aerobics and sports facilities
- Houses of worship
- Theme bars
- Retail environments
- Boardrooms and offices
- Airports, convention centres and hotels

FEATURES

- Slim line profile, allowing discreet installation
- Switchable 70 Volt / 100 Volt or 8Ω
- Multi tap voltage and wattage
- THP 60 line transformer providing low insertion loss resulting in a more dynamic performance with extended bandwidth
- Wide controlled dispersion (110° x 70°)
- Multiple angle bracket (i7 MAB) and i7 yoke
- Five year loudspeaker warranty

ARCHITECTURAL SPECIFICATIONS

The column loudspeaker system shall consist of four 100mm (4") low frequency drivers and one 25mm (1") high frequency driver. All five sources (LF and HF) shall be positioned vertically as a line source.

The i7 shall be used in both low impedance 8Ω and 70 / 100 Volt distributed audio systems utilizing the THP 60 high performance transformer with 60, 30, 15, & 7.5* Watt taps available. An easily accessible switch on the rear panel shall be available for selecting transformer and low impedance settings. Performance of the i7 shall meet or exceed the following criteria: The system shall have a nominal coverage pattern of 110° horizontal by 70° vertical. Frequency response measured at 1m on axis with swept sine wave shall be 90Hz to 20kHz (+/- 3dB). Sensitivity shall be at least 89dB [anechoic] for 2.83 Volt @ 1 metre. The system shall have a nominal impedance of 8Ω, maximum power handling shall be 180 Watts (programme).

The enclosure shall be rectangular in shape. The MDF enclosure shall be of an infinite baffle design, finished in textured black or white paint, the front of the cabinet shall be covered by a perforated steel grille. The enclosure shall not exceed the following dimensions: 572 x 135 x 175mm or 22 1/2 x 5 3/8 x 6 3/4" (H x W x D).

The loudspeaker system shall be the Tannoy...i7.

*On 70 Volt systems only

TANNOY

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