



Product Description

The high power handling Tannoy i9 is a tall and slim loudspeaker cabinet equipped with four 130mm (5.00") low frequency direct radiating drive units and three 25mm (1.00") titanium dome tweeter arranged as a line source.

Designed for use in acoustically difficult applications where controlled coverage is required, the dispersion characteristics of the i9 direct sound into the desired space while minimizing reflections from the ceiling. This makes it ideal for high quality music and speech reinforcement in highly reverberant environments ranging from houses of worship to retail environments and airports to conventions centres.

Available in either a charcoal or white painted finish, the shallow cabinet profile ensures discreet installations close to a wall or ceiling are possible without sacrificing vertical coverage.

The coupling effects in the vertical plane result in a narrow and controlled 40 degrees coverage pattern while the horizontal coverage is an extremely wide 120 degrees. The complex frequency shading and integration techniques employed in the internal passive crossover network result in a smooth and uniform frequency response from 80Hz to 30kHz.

A selector switch is located on the rear termination panel to allow the i9 to be installed as either a low impedance (8 Ohm) or 100V / 70.7V distributed line system. A rotary control adjusts the integral low insertion loss 60W transformer for 60, 30, 15, 7.5W operation.

Two versatile mounting brackets are available as optional accessories; the i9Y (yoke) and the i9 MAB (multiple angle bracket). These enable easy vertical, horizontal and tilt adjustment for fixed mount and flying applications.

Features

- Slim line profile, allowing discreet installation
- Switchable 70 Volt / 100 Volt or 8 Ohms
- 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 (120 degrees x 40 degrees)
- Mounting yoke (i9Y) and multiple angle bracket (i9 MAB)
- Five year loudspeaker warranty

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

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 Tannoy Deutschland
 Tannoy France

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i9

TANNOY®

TECHNICAL SPECIFICATIONS

System	i9
Frequency Response (-3dB) ⁽¹⁾	80Hz - 30kHz
Frequency Range (-10dB) ⁽¹⁾	60Hz -40kHz
System Sensitivity (1W @1m) ⁽²⁾	93dB (1W = 2.83V for 8 Ohms)
Dispersion (-6dB)	120 deg (H) x 40 deg (V)
Driver Complement	
Low Frequency	4 x 130mm (5.00") bass unit,
High Frequency	3 x 25mm (1.00") titanium tweeter, partially horn loaded
Crossover	Passive, 200Hz, 3.3 kHz, 11.5 kHz
Directivity Factor (Q)	7.5 averaged 1kHz to 10kHz
Directivity Index (DI)	8.4 averaged 1kHz to 10kHz
Rated Maximum SPL ⁽²⁾	
Average	115dB
Average	111dB - 60W tapping on transformer
Peak	121dB
Power Handling	
Average	150W
Programme	300W
Peak	600W
Recommended Amplifier Power	300W @ 8 Ohms
Nominal Impedance	8 Ohms
Transformer Taps (rear rotary switch)	
70V	60W / 30W / 15W / 7.5W / OFF & Low impedance operation
100V	60W / 30W / 15W / OFF & Low impedance operation

Distortion		
10% Full Power (10.95V)	2nd Harmonic	3rd Harmonic
250Hz	0.42%	0.05%
1kHz	0.52%	0.32%
10kHz	1.02%	0.22%
1% Full Power (3.46V)	2nd Harmonic	3rd Harmonic
250Hz	0.127%	0.06%
1kHz	0.18%	0.18%
10kHz	0.37%	0.15%

Construction	
Enclosure	14.5 litre MDF infinite baffle
Grille	Perforated steel, powder coated
Finish	Textured black or white paint - paintable, with custom colours on request
Connectors	2 x Speakon NL4MP IN / OUT
Fittings	2 x M10 threaded inserts for i9Y & i9 MAB brackets
Mounting Options	(i9 MAB) Multiple angle bracket (i9Y) Yoke
Dimensions	779 x 170 x 200mm (H x W x D) (30.67 x 6.69 x 7.87") (H x W x D)
NET Weight	12.5kg (27.5lbs)

Notes
 (1) Average over stated bandwidth. Measured at 1 metre on axis.
 (2) Unweighted pink noise input, measured at 1 metre in an anechoic chamber.

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

Full independent verification of published specifications carried out by NWA Labs, California can also be obtained from the downloads section of 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.

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8001 2920	i9	Black	1
8001 2930	i9	White	1

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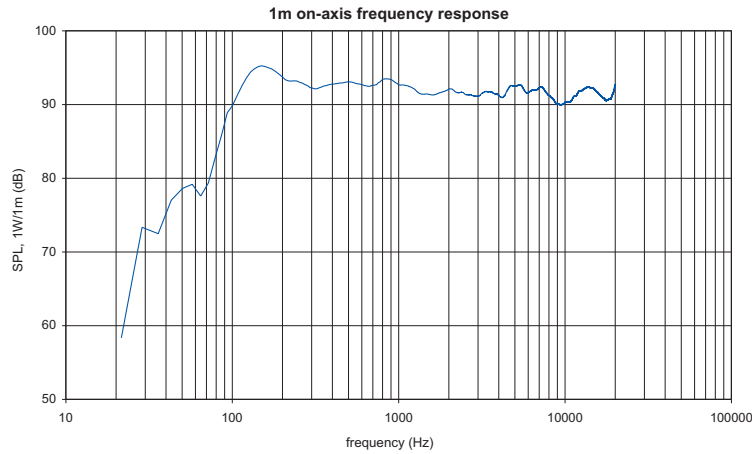
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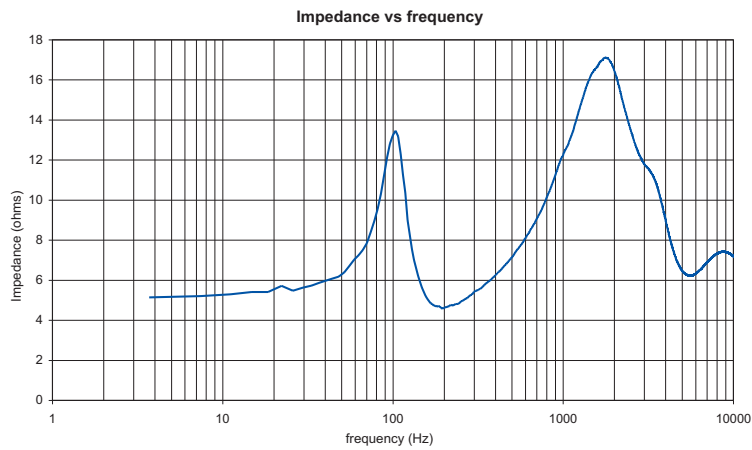
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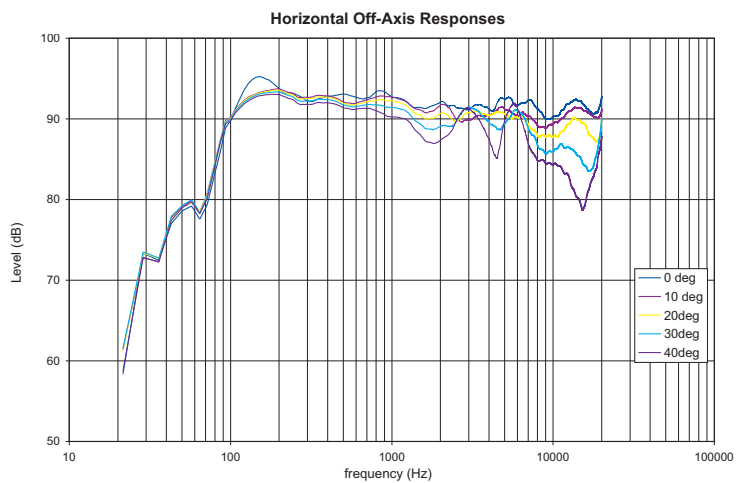
PERFORMANCE MEASUREMENTS



ANECHOIC FREQUENCY RESPONSE



IMPEDANCE



OFF AXIS RESPONSE

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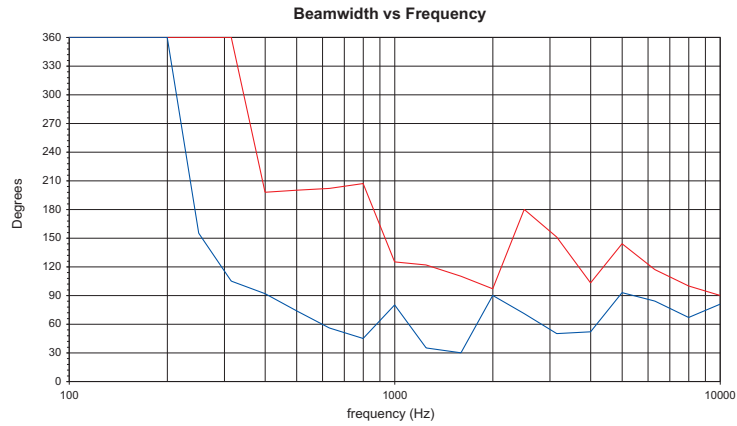
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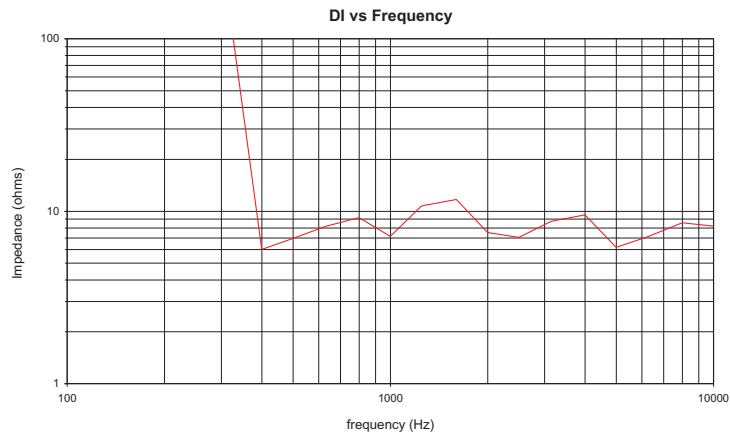
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PERFORMANCE MEASUREMENTS



BEAMWIDTH



DIRECTIVITY INDEX

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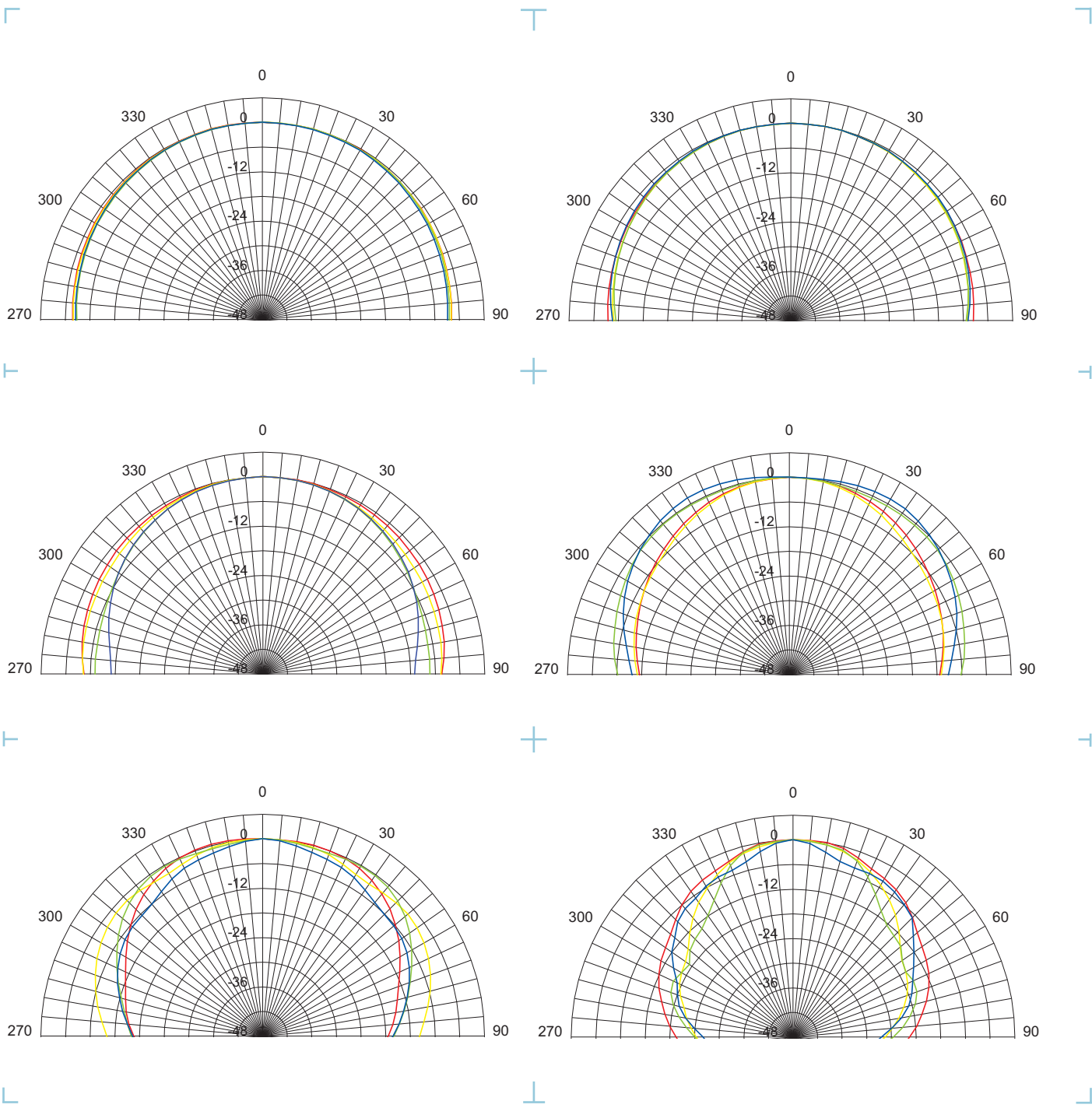
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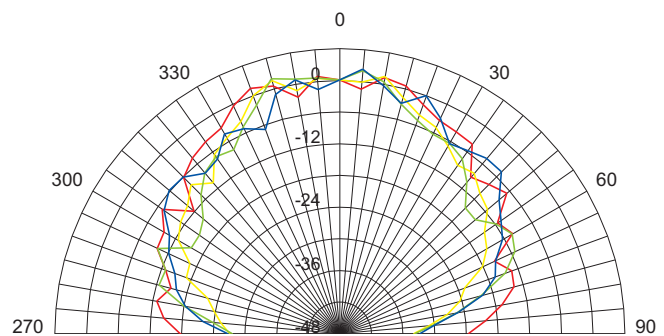
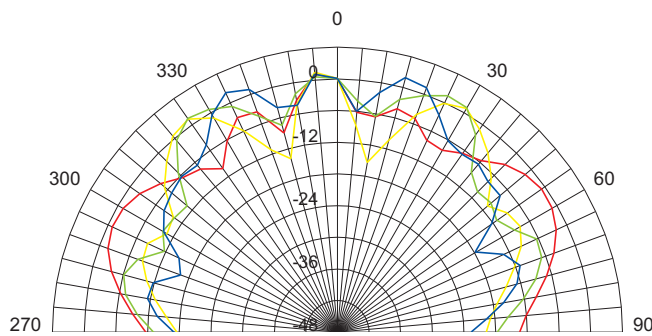
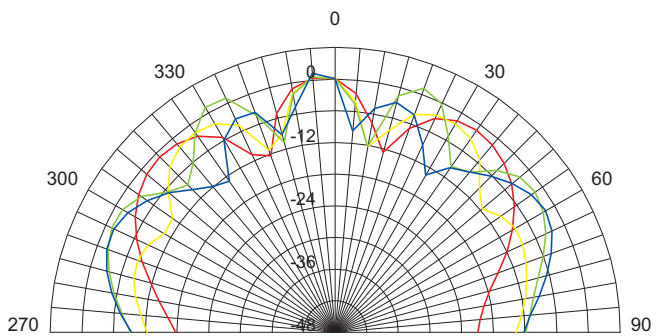
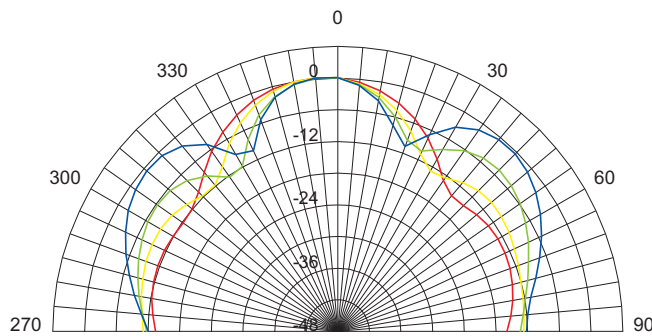
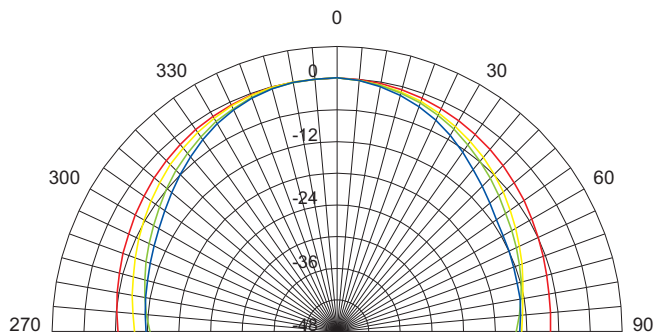
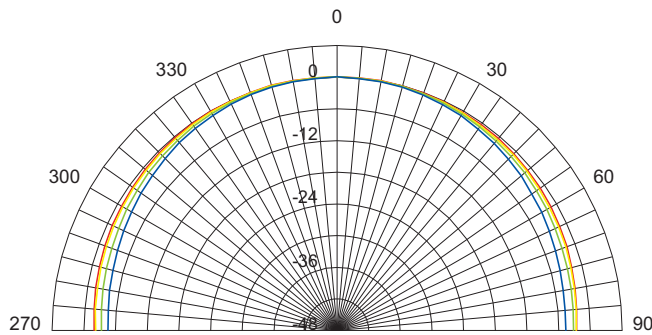
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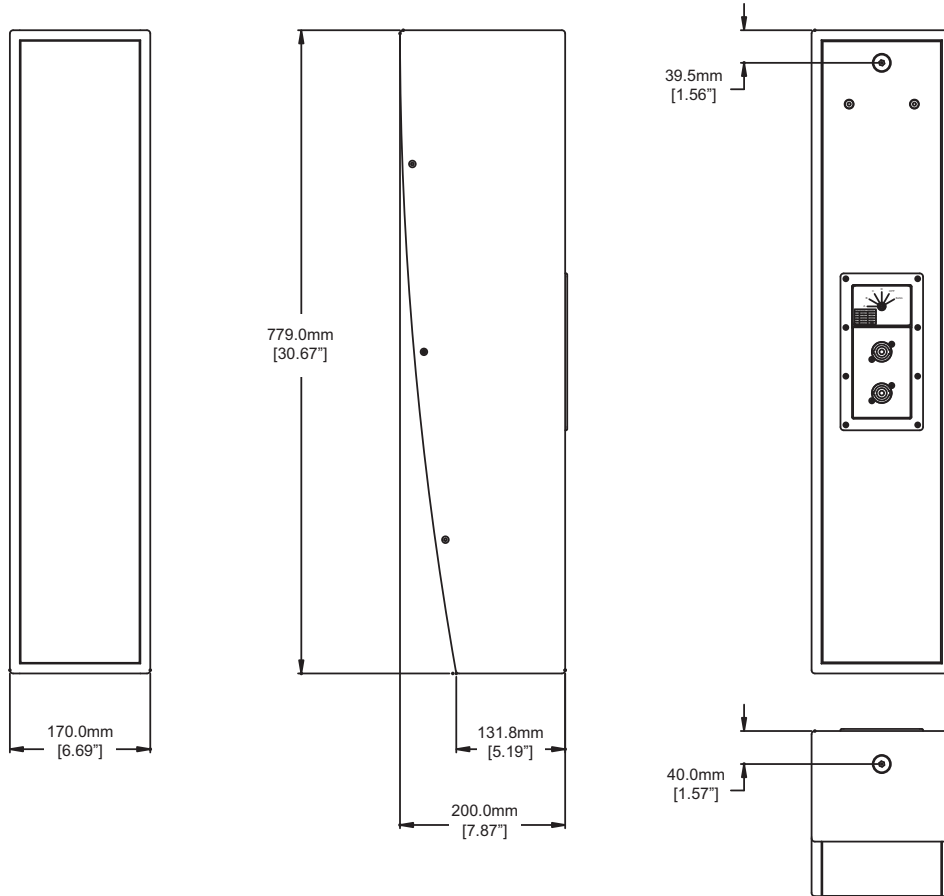
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DIMENSIONAL SKETCHES



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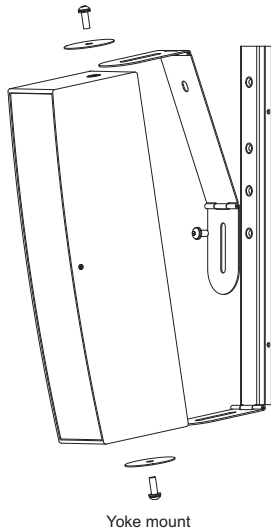
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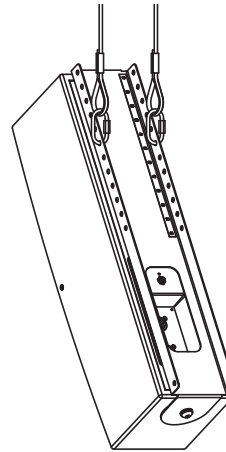
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TANNOY®

MOUNTING OPTIONS & HARDWARE



Yoke mount



Multi Angle bracket

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8001 3020	i9 Y	Black	1
8001 3030	i9 Y	White	1
8001 3070	i9 MAB	Black	1
8001 3080	i9 MAB	White	1

Architectural specifications

The column source loudspeaker system shall consist of four 130mm (5.00") low frequency drivers and three 25mm (1.00") high frequency drivers. All seven sources (LF and HF) shall be positioned vertically as a line source.

The i9 shall be used in both low impedance 8 Ohm 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 i9 shall meet or exceed the following criteria: The system shall have a nominal coverage pattern of 120 degrees horizontal by 40 Degrees vertical. Frequency response measured at 1m on axis with swept sine wave shall be 80Hz to 30kHz (- 3dB). Sensitivity shall be at least 93dB (anechoic) for 2.83 Volt @ 1 meter. The system shall have a nominal impedance of 8 Ohms, maximum power handling shall be 300 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. 779 x 170 x 200mm (30.67 x 6.69 x 7.87") (H x W x D).

The loudspeaker system shall be the Tannoy...i9.

*On 70 Volt systems only

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