

Install

AMS 5DC

5" Dual Concentric Surface-Mount
Loudspeaker for Installation Applications

- Full range surface-mount loudspeaker for indoor and outdoor installation applications
- 60 Watts continuous, 240 Watts peak power
- 5" next generation Dual Concentric driver featuring Omnimagnet technology
- Torus Ogive waveguide for improved high frequency response and directivity
- Multiple transformer taps for 70 V and 100 V line systems or 16 Ohm direct input
- Low insertion loss 30 W line transformer with easily accessible tapping switch
- Optimised for LAB GRUPPEN low impedance LUCIA amplifiers with up to 8 AMS series loudspeakers per channel
- All components weather resistant to IP65 for outdoor use
- High temperature resistant ABS enclosure rated at 120°C
- Semi matt black paint finish fits unobtrusively in any environment
- Yoke bracket included for ease of installation
- Optional VARIBALL multi-angle bracket with secure clamp mechanism for accurate audience coverage

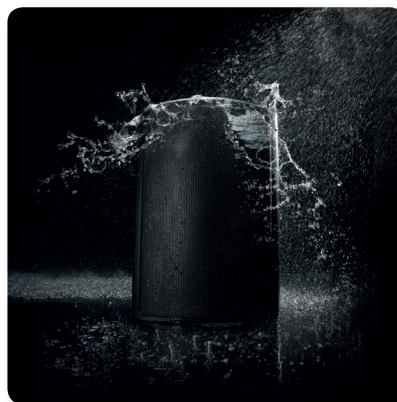


The AMS 5DC is a full bandwidth 240-Watt high sensitivity loudspeaker that utilises our all-new proprietary 5" Dual Concentric point-source driver with Omnimagnet technology on a Torus Ogive Waveguide to deliver wide and consistent broadband directivity with enhanced intelligibility – plus the linear response of our legendary studio monitors. The AMS 5DC is ideally suited for stereo or mono background/foreground music applications in theme parks, hotels, restaurants and bars, retail stores, as well as corporate AV, residential developments, and houses of worship. AMS 5DC loudspeakers provide a seamless sound signature within a multi-zoned environment that benefits from both ceiling and wall mounted **TANNOY** loudspeakers.



Weather-Resistant Enclosure

The elegantly styled semi matt black moulded enclosure blends beautifully into any décor. Additionally the AMS 5DC's design and performance has achieving an IP65 rating, making it an exceptional choice for both indoor and outdoor environments such as indoor swimming pools, saunas, or work areas with unusually high levels of dust or moisture, and outdoor applications where weather conditions are moderate.



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- Weatherproof cable gland cover to protect Phoenix* connectors and tap selector switch
- 10-Year Warranty Program*
- Designed and engineered in the U.K.

Attractive and Easy to Install

The highly durable and heat resistant ABS enclosure features a black painted finish and comes with an aesthetically pleasing grille. Installation is quick and easy thanks to the included colour-matched yoke mounting bracket – and an optional VARIBALL multi-angle bracket is available separately. An included weatherproof cable gland protects the Phoenix* input and link output connectors, as well as the integral low-insertion loss 30 W transformer with convenient tap switching.



LAB GRUPPEN Ready

The AMS 5DC is optimised for use with LAB GRUPPEN LUCIA amplifiers, which accommodate up to 8 AMS Series loudspeakers per channel.



*All third-party trademarks are the property of their respective owners. Their use neither constitutes a claim of the trademark nor affiliation of the trademark owners with MUSIC Tribe. Product names are mentioned solely as a reference for compatibility, effects and/or components. Warranty details can be found at musictribe.

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You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Tribe](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [Warranty program](#).

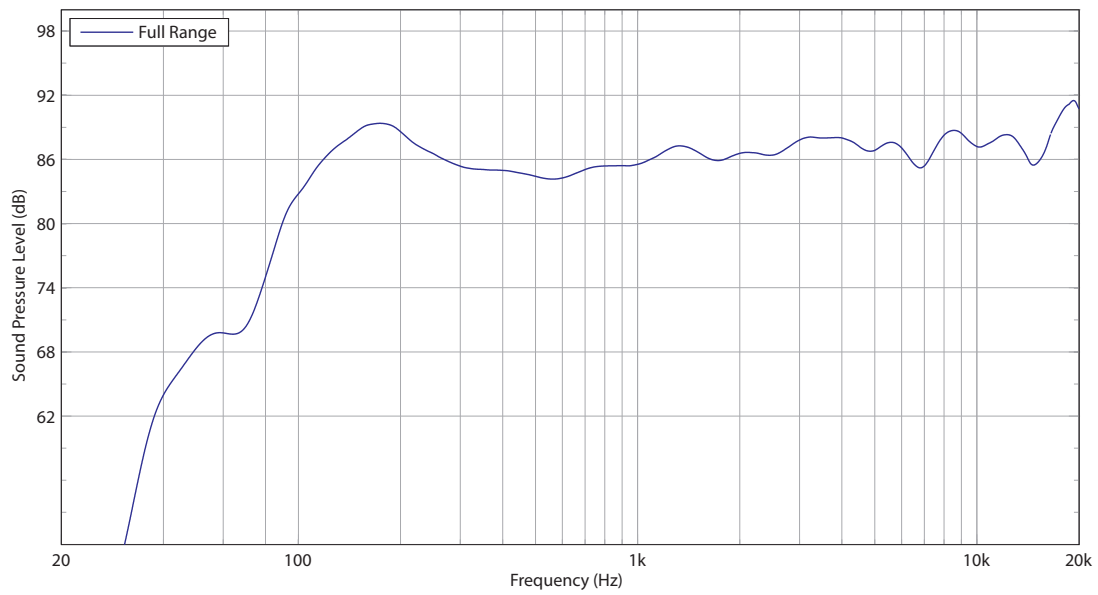


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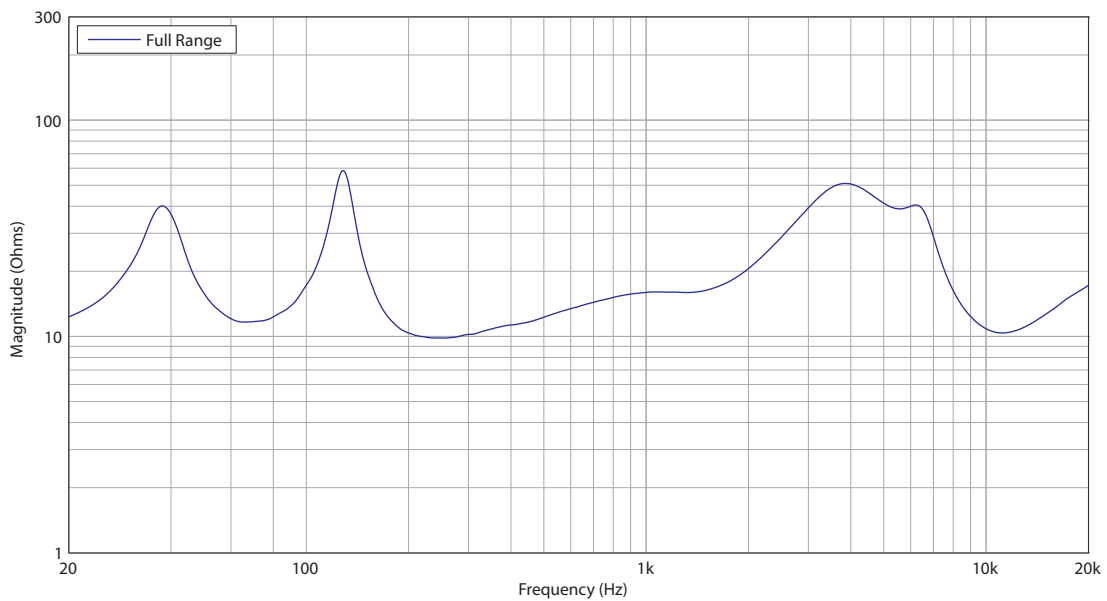
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Frequency Response Sensitivity 1 W / 1 m



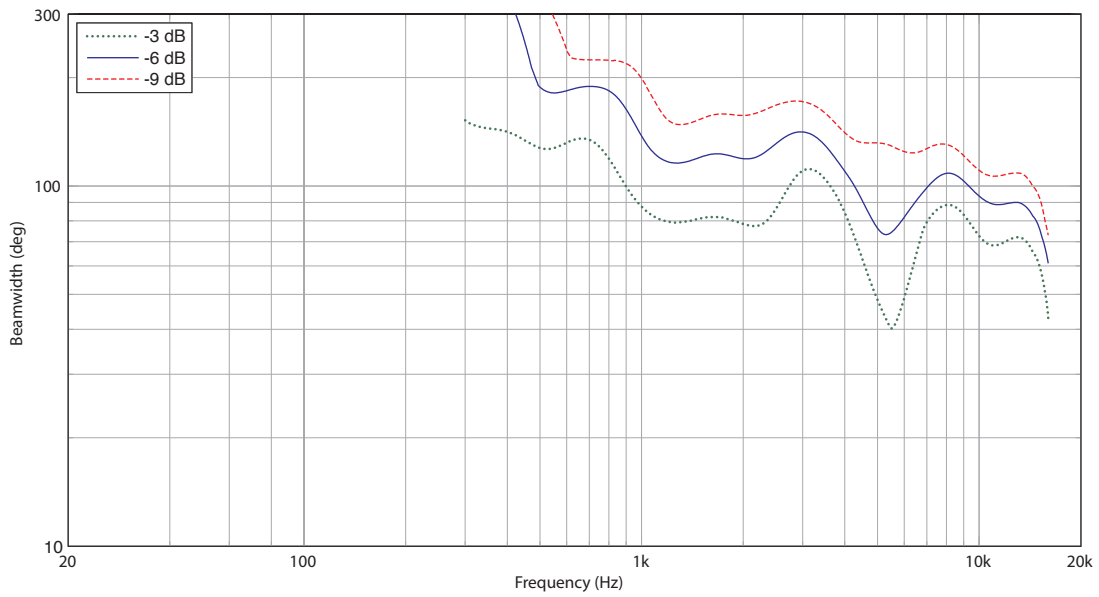
Impedance



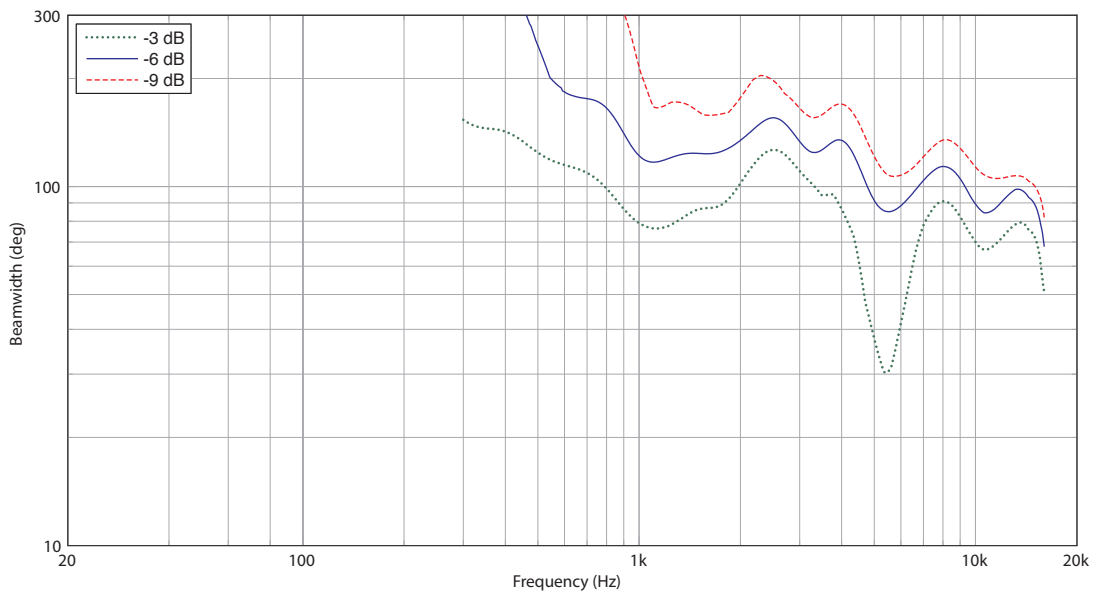
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Horizontal Beamwidth



Vertical Beamwidth

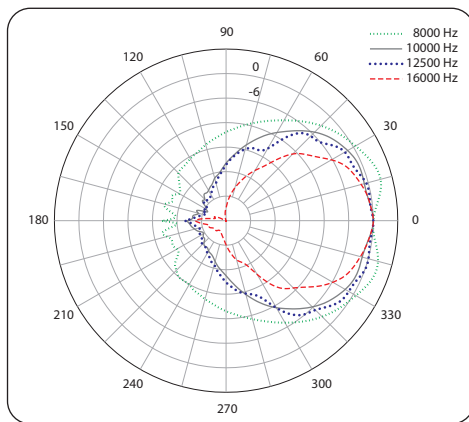
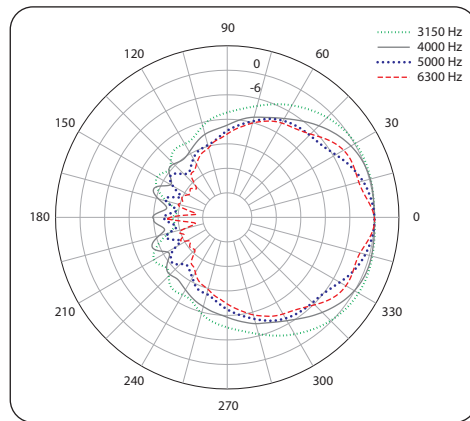
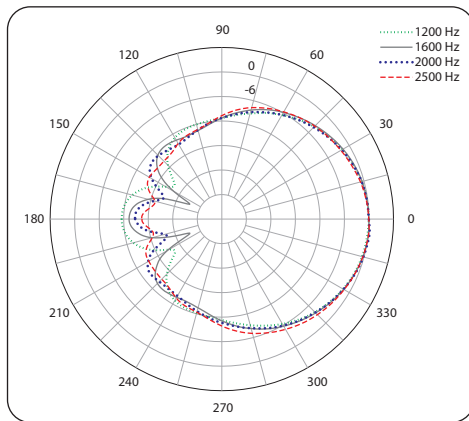
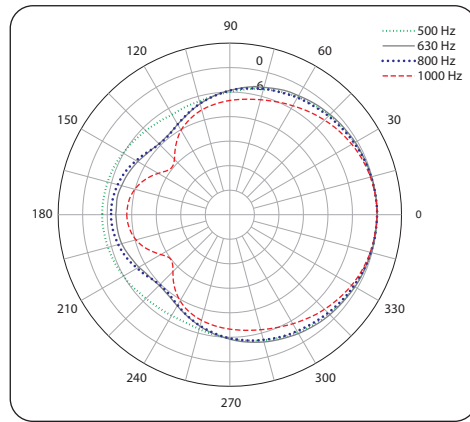
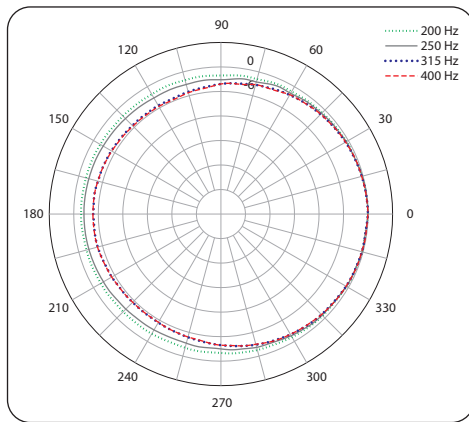


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Horizontal Polar Plots

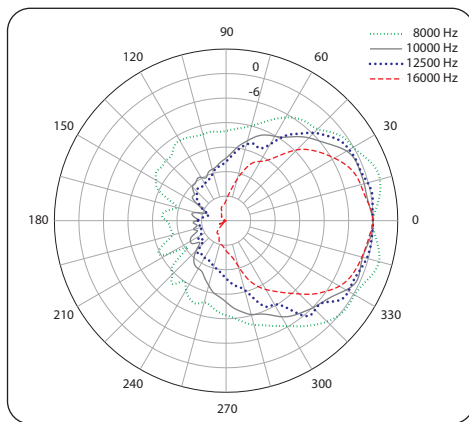
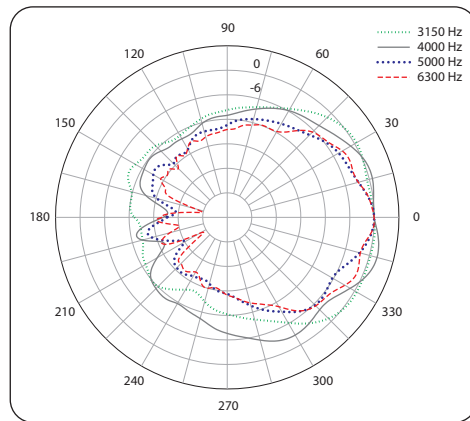
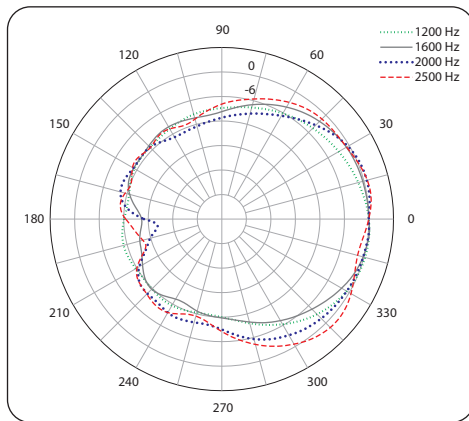
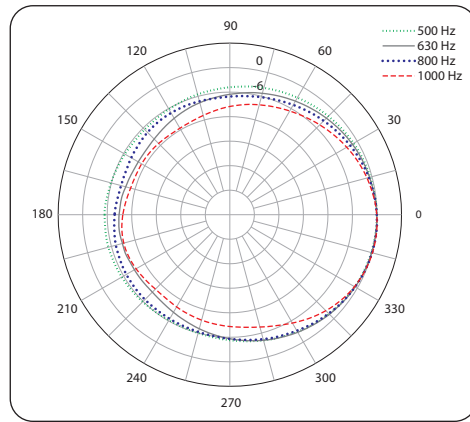
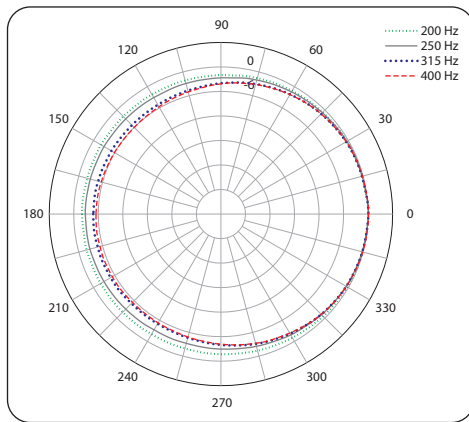


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Vertical Polar Plots

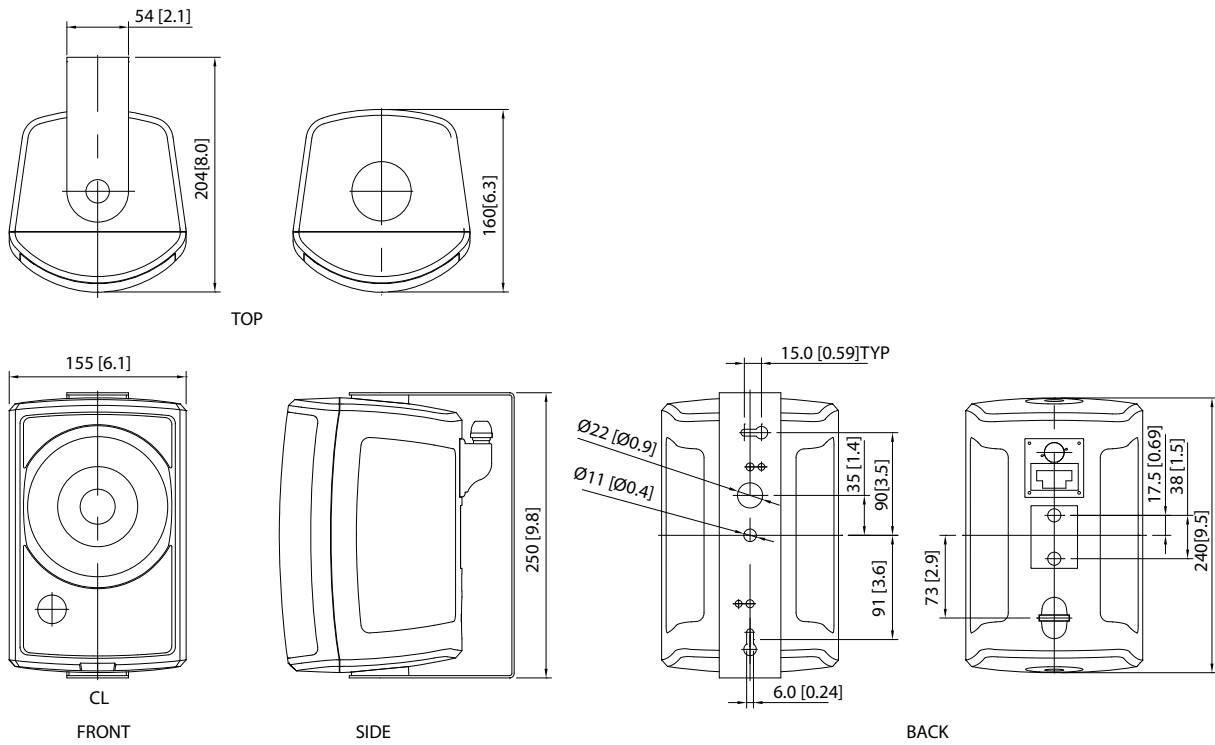


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Dimensions



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Technical Specifications

Performance

Frequency response (-3 dB) ⁽¹⁾	90 Hz - 30 kHz
Frequency range (-10 dB) ⁽¹⁾	80 Hz - 40 kHz
System sensitivity (1 W @ 1m) ⁽²⁾	87 dB (1 W = 4 V for 16 Ω)
Nominal Coverage Angle	90 degrees conical
Power Handling ⁽³⁾	
Average	60 W
Programme	120 W
Peak	240 W
Recommended Amplifier Power	120 W @ 16 Ω
Nominal Impedance (Lo, Z)	16 Ω
Rated maximum SPL	
Average	105 dB
Peak	111 dB
Transformer Taps (via front rotary switch)	
70 V	30 W / 15 W / 7.5 W / 3.75 W / OFF & Low impedance operation
100 V	30 W / 15 W / 7.5 W / OFF & Low impedance operation

Transducers

Dual Concentric point source driver	1x 130 mm (5") Dual Concentric driver, using Omnimagnet technology
Low Frequency	35 mm (1.38") voice coil, treated multifibre paper pulp cone
High Frequency	20 mm (0.79") PEI dome

Physical

Enclosure	ABS
Grille	Steel, plated and painted
Connectors	Removable locking connector with screw terminals
Transformer setting	Rotary switch
Dimensions (H x W x D)	248.0 x 155.0 x 203.9 mm (9.77 x 6.10 x 8.03")
Net Weight (ea)	3.6 kg (7.9 lbs)
Shipped weight	4.15 kg (9.15 lbs)
Included Accessories	Yoke bracket
Packed Quantity	2

Notes:

1. Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
2. Unweighted pink noise input, measured at 1 metre on axis
3. Long term power handling capacity as defined in EIA - 426B test

A full range of measurements, performance data, CLF and Ease Data for AMS 5DC can be downloaded from www.tannoypro.com.

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

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WIRING	PASSIVE
1+ / 2-	INPUT
3- / 4+	LINK
INPUT	POWER
70V LINE	3.75, 7.5, 15, 30W
100V LINE	7.5, 15, 30W
16Ω	120W PROGRAM

TANNOY
DESIGNED AND ENGINEERED
IN ENGLAND



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