

# TTL33 WP

## PASSIVE LINE ARRAY MODULE



## DESCRIPTION

The TTL33 WP is a full range, ultracompact, wide dispersion, line array module that sets a new standard in the touring and theatre sound reinforcement, offering substantial power and efficiency for a variety of professional indoor or outdoor applications. TTL33 WP is a 3-way passive system featuring with 2 x 8" neo woofer 64 mm voice coil in a bandpass low frequency configuration, 1 x 8" neo midrange 64 mm voice coil in horn loaded configuration, 3 x 1" neo compression driver 37 mm voice coil, titanium dome, in horn-array configuration. Each transducer has been specifically designed for the application. The 2 woofer provides large excursion and very light weight, the midrange has an incredibly high BL for best vocal presence, the unique compression driver design offer the minimum spacing between throats to avoid HF cancellation.

Thanks to the extensive use of neodymium and new basket designs, the total weight of the 6 transducers is less than 8 Kg!

The internal passive filter provides crossover and equalization between the midrange and the compression driver. The Crossover network offers Compression Driver Protection thanks to a unique design Active MOSFET Circuit. The system is driven in bi-amped mode, is able of producing a Max SPL of 134 dB and handles 400 Watts AES (LF) + 350 Watt AES (MF/HF) TTL33 WP includes the LICC-Low Impedance Compensated Crossover that features markedly lower induction values in series with the woofer. The benefit is delay reduction, reduced phase shift and superior transient response. For a superior power handling high power, aluminium case, resistors are used in the crossover network. Dynamic high-frequency driver protection is accomplished with the RCF exclusive – Active Mosfet Compression Driver Protection System, chosen to complement the power curve of the driver Connections to the amplifier are made through a watertight multi-pole connector IP67. The grille is in custom perforated aluminum with open-cell fibers and water repellent woven fabric backing.

The cabinet is constructed of multi-ply baltic birch plywood and finished in a very resistant, textured, polyurea black paint. The mechanical suspension and orientation system is in high quality steel, very precise and easy to use. The suspension system is directly connected to the aluminum sides of the cabinet. The suspension system is designed to have a safety factor 7 up to 16 speakers per side.

## MAIN APPLICATIONS

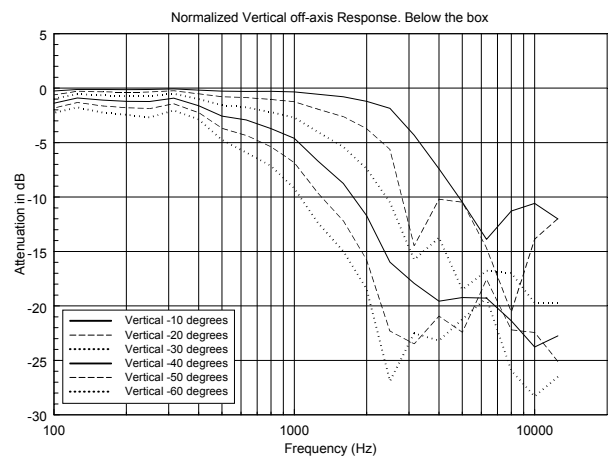
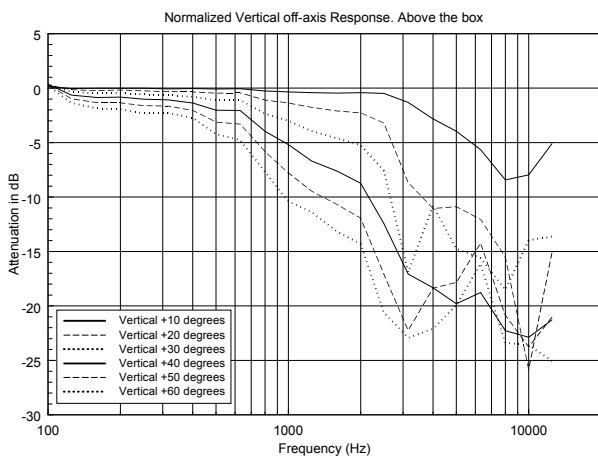
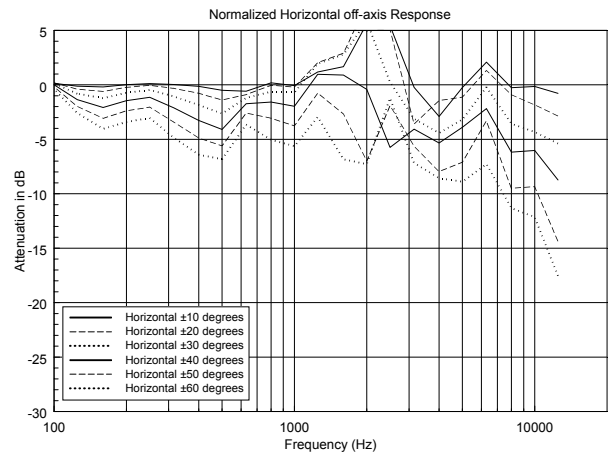
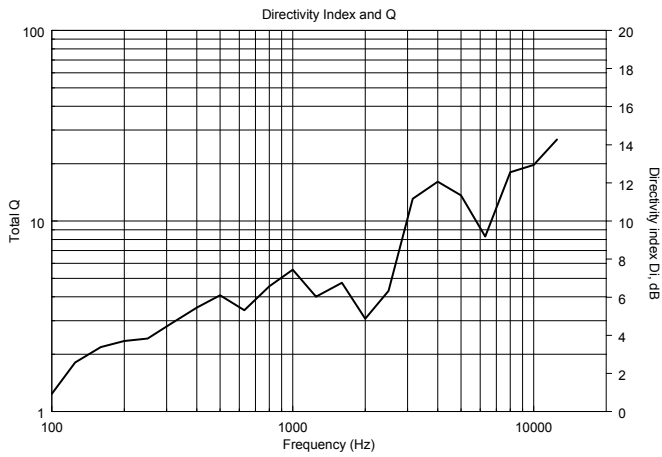
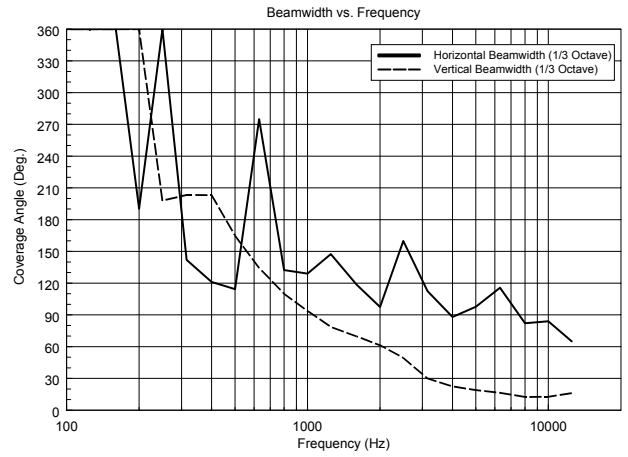
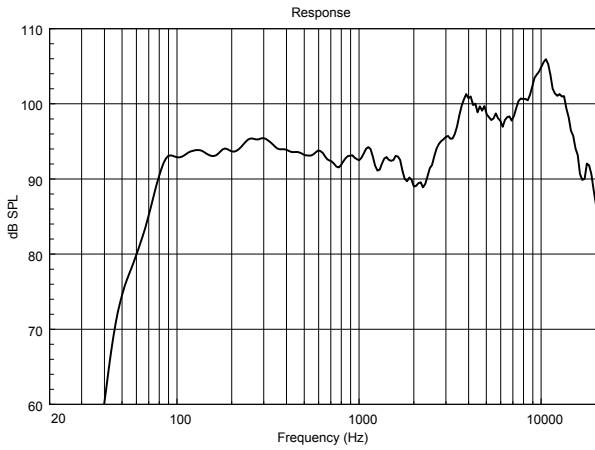
- Outdoor sound reinforcement
- Touring sound reinforcement for mid-sized venues
- High quality reinforcement of music and speech
- Medium to large theatres and night clubs
- Stadiums, arenas, concert halls and other fixed venue installations
- Corporate A/V presentation

## MAIN FEATURES

- Very compact size ( 760 x 300 x 450 mm / 29.92" x 11,81" x 17,71")
- Maximum output per size available on market
- Wide, constant directivity, horizontal coverage angle
- 6 high power neodymium transducers
- Minimum weight
- Watertight multi-pole connector IP67
- LICC (Low Impedance Compensated Crossover Network)
- Baltic birch cabinet

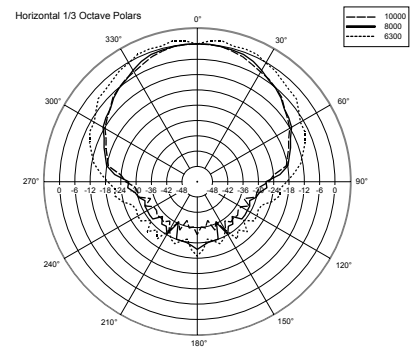
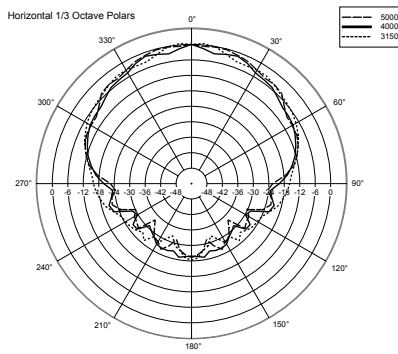
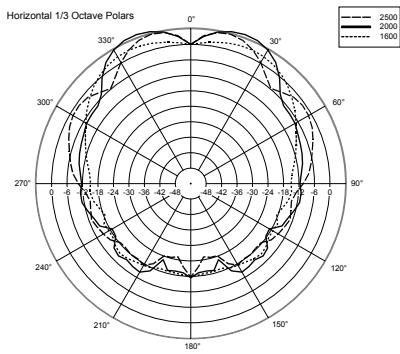
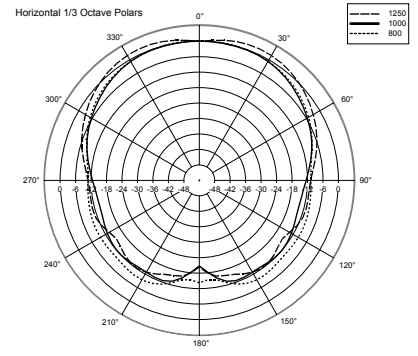
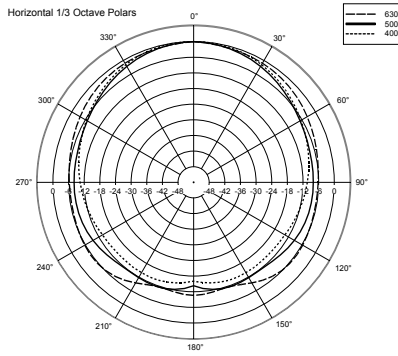
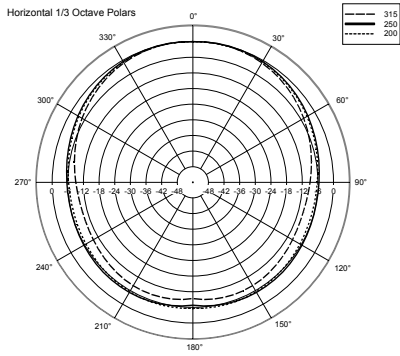


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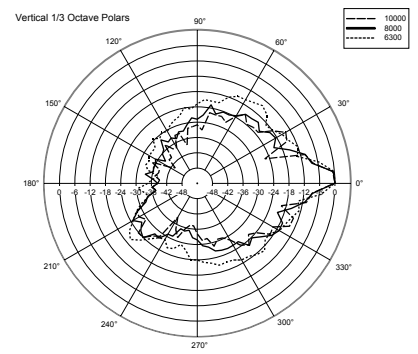
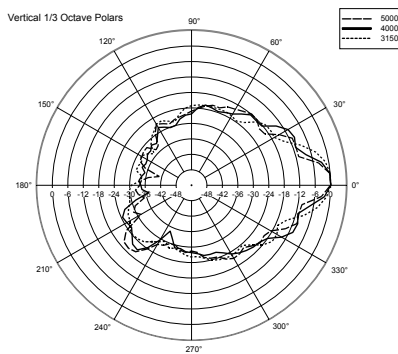
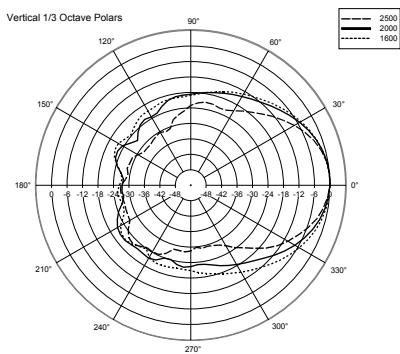
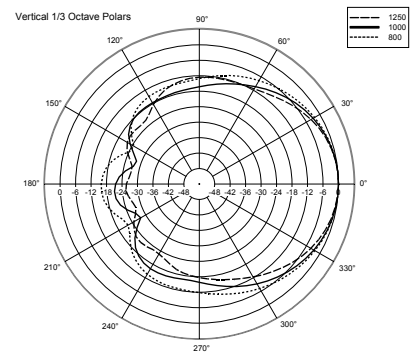
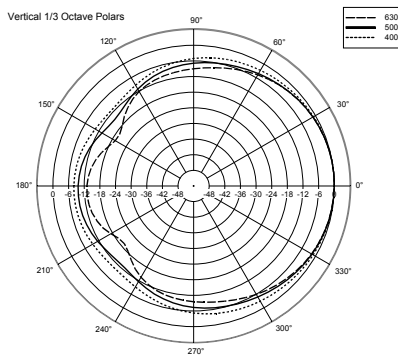
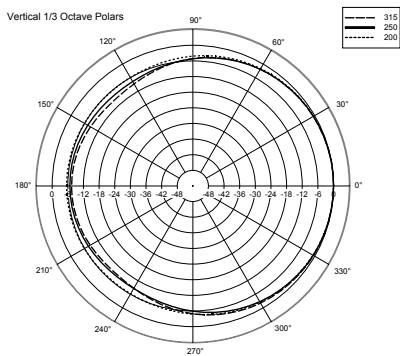


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## HORIZONTAL 1/3 POLAR PLOT



## VERTICAL 1/3 POLAR PLOT

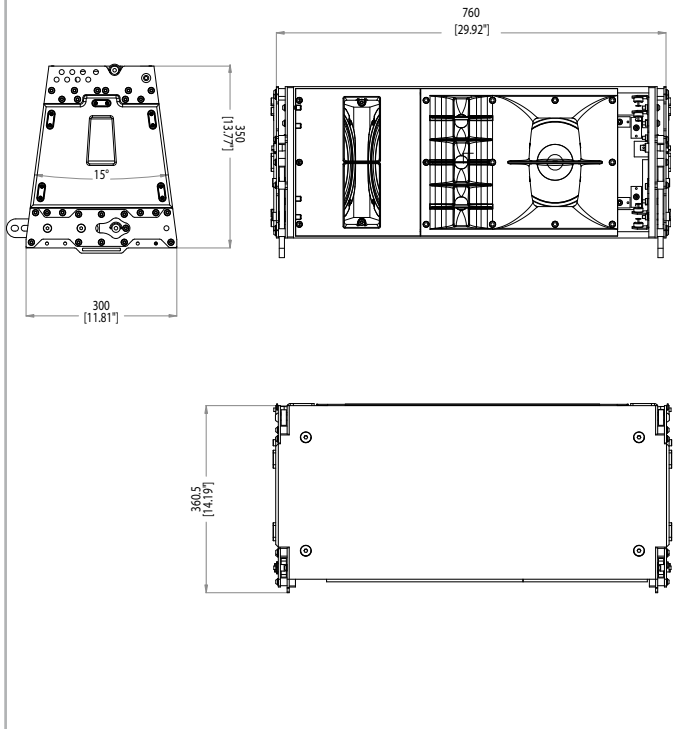


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## PART NUMBERS

13000248

## DIMENSIONS (All data are in mm)



## ACOUSTICAL SPECIFICATIONS

Frequency response:	55 Hz ÷ 20 kHz
Max SPL:	133 dB
Sensitivity 1W/1m:	100 dB
Coverage angle:	H 100° x V 15°
Compression driver:	3x1.0" neo, 1.45" voice coil
Midrange:	8" neo, 2.5" voice coil
Woofer:	2x8" neo, 2.5" voice coil
Power handling:	700W

## INPUT SECTION

Input signal (Impedance):	8 Ω
Input connector:	Amphenol eco/mat IP67
Output signal connector:	Amphenol eco/mat IP67

## PROCESSOR SECTION

Crossover frequencies:	2400 Hz
Protections:	Active Mosfet

## ACCESSORIES

AC RAIN COVER TTL	Protezione in gomma antipioggia per amplificatori TTL33-A.
FLY BAR TTL33	Barra di sospensione per il sistema array TTL33-A.
FLY BAR SHORT TTL33	Barra di sospensione per il sistema array TTL33-A.
STCK BAR TTL33	Accessorio da aggiungere al Fly bar TTL33, per il montaggio in stacking su subwoofer. Pin di aggancio rapido escluse.
AC 4PIN TTL33	Kit di 4 pin aggancio rapido per moduli TTL33-A.
SHACKLE TTL33-TTL31	3,25 Tons for TTL33-A and TTL31-A array system.
LINK BAR TTL55-33-31	Barra per l'aggancio di un massimo di 8 moduli TTL33-A o TTL31-A ad un cluster di TTL55-A.
KART TTL33	Carrello con ruote per 4 moduli line array TTL33-A.

## PHYSICAL

Cabinet:	baltic birch
Dimensions (HxWxD):	300x 760x 450mm (11,8"x 30"x 18,2")
Weight:	29.2 kg (64.2 lbs)
Hardware:	side fly fittings
Handles:	2 on side
Pole Mount / Cap:	ready
Colour:	Black