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 133 dB and handles 600 Watts AES (LF) + 400 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.

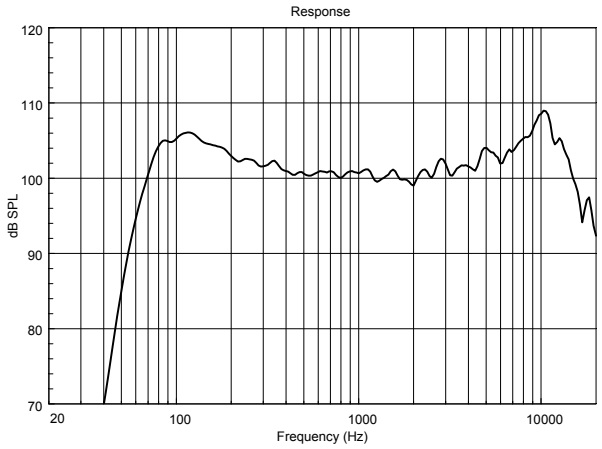
MAIN APPLICATIONS

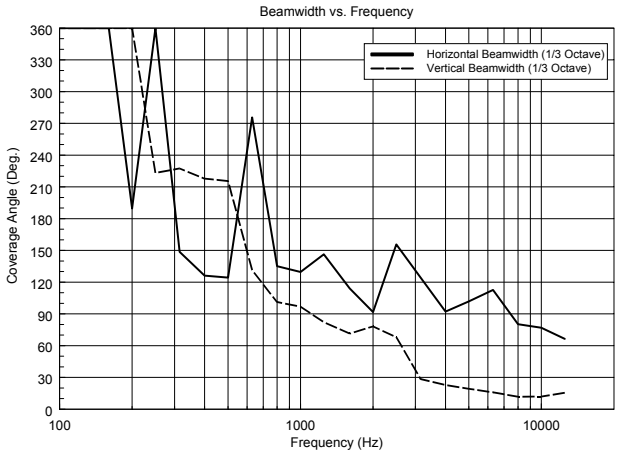
- Outdoor sound reinforcement
- Touring sound reinforcement for mid-sized venues
- High quality reinforcement of music and speech
- Medium to large theatres and night clubs
- Stadiums, arenas, concert halls and other fixed venue installations
- Corporate A/V presentation

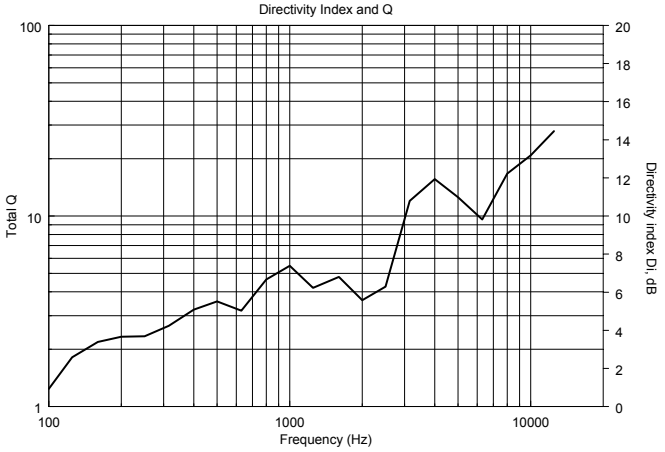
MAIN FEATURES

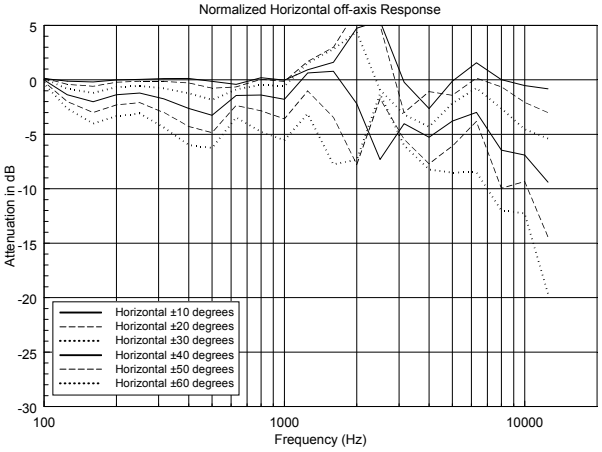
- Very compact size (760 x 300 x 450 mm / 29.92" x 11,81" x 17,71")
- Maximum output per size available on market
- Wide, constant directivity, horizontal coverage angle
- 6 high power neodymium transducers
- Minimum weight
- Watertight multi-pole connector IP67
- LICC (Low Impedance Compensated Crossover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

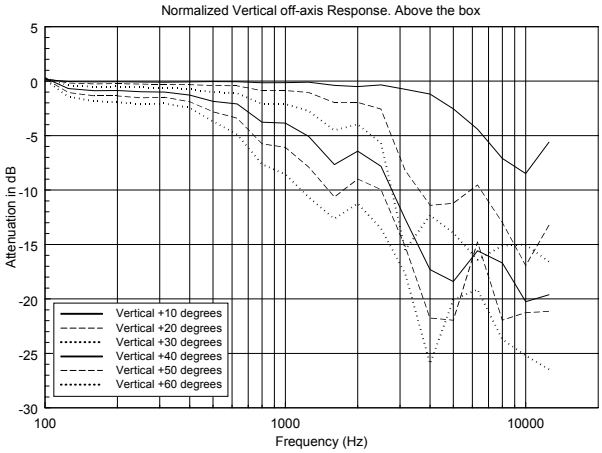
TTL33 WP

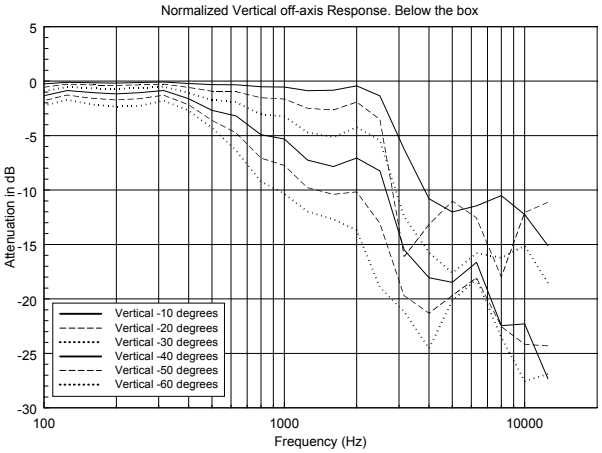








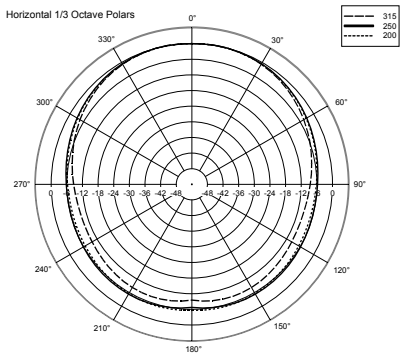


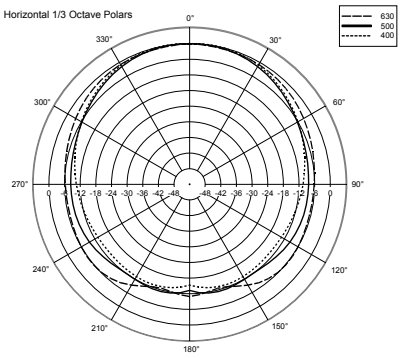


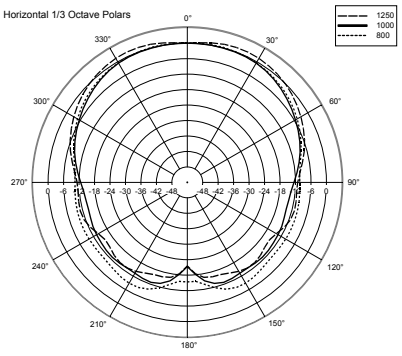
Measurement achieved using DX 4008 processor (preset TTL33WP_2-3)

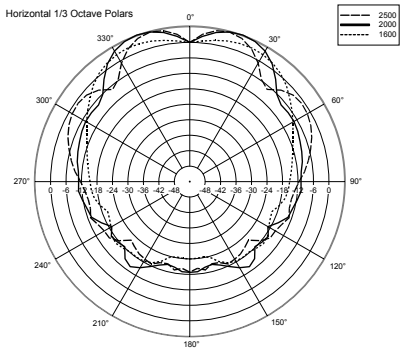
TTL33 WP

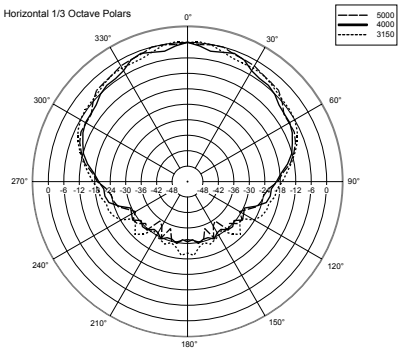
VERTICAL 1/3 POLAR PLOT

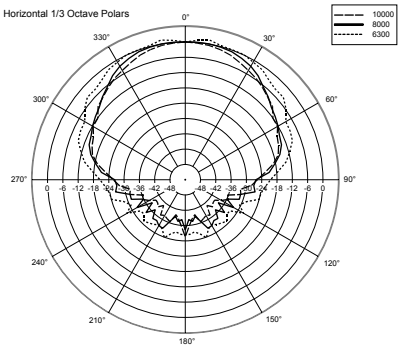




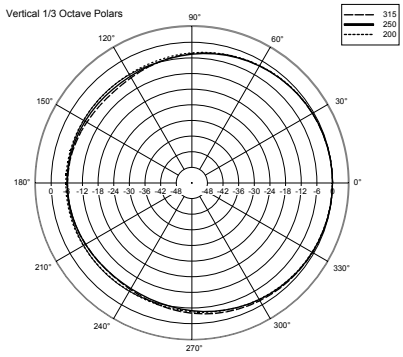


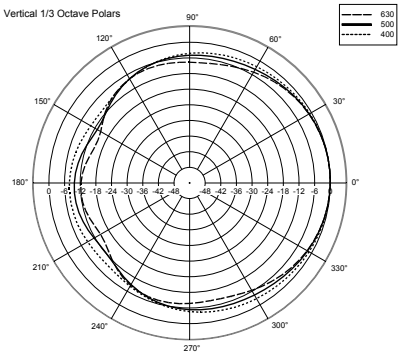


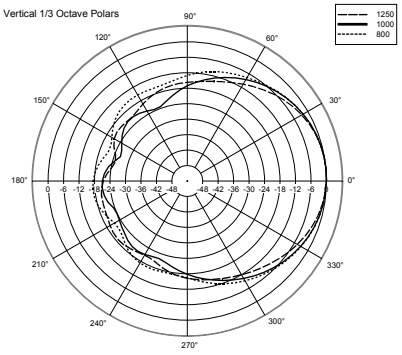


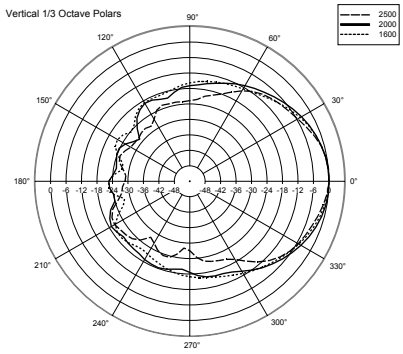


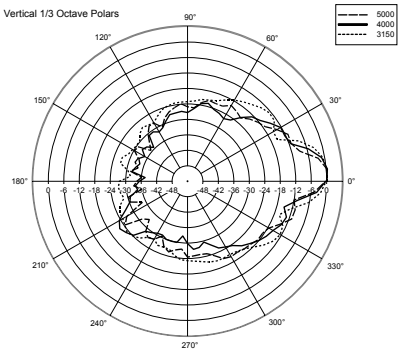
HORIZONTAL 1/3 POLAR PLOT

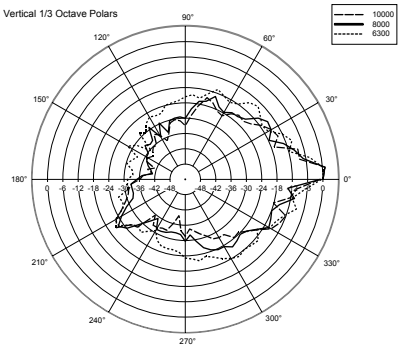












Measurement achieved using DX 4008 processor (preset TTL33WP_2-3)

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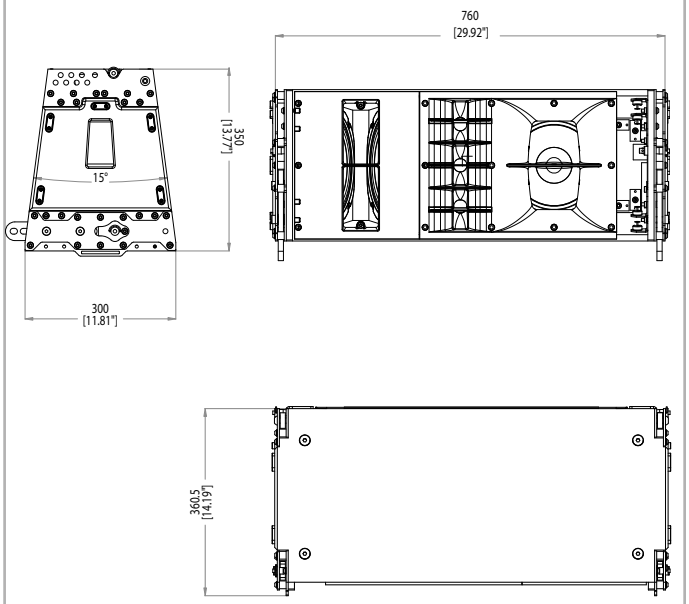
PART NUMBERS

13000248

DIMENSIONS (All data are in mm)



ACCESSORIES

FLY BAR TTL33	Suspending bar for TTLL33-A array system
FLY BAR SHORT TTL33	Suspending short bar for TTLL33-A array system
STCK BAR TTL33	Accessory to add to Fly bar TTL33 for stacking option on sub. Quick lock pins to be added.
AC 4PIN TTL33	4 quick lock pins kit for TTL33-A array system.
SHACKLE TTL33-TTL31	To be added to the flybar accessory in case the pick up is made with 2 motors.
LINK BAR TTL55-33-31	Transition Frame to connect up to 8 TTL33-A or TTL31-A under a TTL55-A line array system
KART TTL33	The heavy duty RCF TTL33-A Kart can be use to easily transport up to 4 TTL33-A cabinets. The cabinets and Kart are fully compatible and it is possible to easily transport TTL33-A cabinets in straight or splayed configurations. It is possible to transport 4 TTL33-A modules with the fly-bar connected, making sure that the total system centre of gravity is properly in centre of the kart.

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ACOUSTICAL SPECIFICATIONS

Frequency response:	55 - 20000 Hz (TTL33WP_2-3 PRESET DX4008)
Max SPL:	133 dB
Sensitivity 1W/1m:	100 dB
Coverage angle:	H 100° x V 15°
Compression driver:	3 x 1.0" neo, 1.4" voice coil
Midrange:	8" neo, 2.5" voice coil
Woofer:	2 x 8" neo, 2.5" voice coil
Power handling LF*:	600 W
Power handling MF/HF*:	400 W

INPUT SECTION

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

DX 4008 FOR EXTERNAL PROCESSING AND FILTERING IS REQUIRED

Passive crossover frequency:	500 Hz
Protections:	Active mosfet compression driver protection

PHYSICAL

Cabinet:	Baltic birch
Dimensions (HxWxD):	300x 760x 450mm (11,8"x 30"x 18,2")
Weight:	29.2 kg (64.2 lbs)
Hardware:	Array side fittings
Handles:	2 side
Colour:	Black

* Using 20 Hz to 20 kHz, Pink Noise Spectrum, 2 hours, + 6 dB crest factor, with RMS voltage calculated on speaker minimum impedance. Signal processed by RCF DX 4008 preset "TTL33WP_2-3"

RCF products are continually improved. All specifications are therefore subject to change without notice.