

TB Series

Very high power subwoofer

2 x 18" Neodymium with 4" ventilated voice coil.
Dual K-Horn™ Load

Features

Exceptional SPL Max / Dimension ratio
Exceptional sound pressure, warmth & precision
Unique internal convection cooling

Applications

Touring concert
High power low frequency extension
Large stacking application

Specifications

25 Hz - 80 Hz @ -10dB
150 dB SPL Max @ 1m
1600 W AES - 4 ohms

Single channel amplification

The APG TB218S is a low frequency subwoofer designed to complement high power sound systems. It is equipped with two Neodymium 18" cone speakers, mounted in a new generation dual interactive K-Horn™ chamber.

This specific arrangement allows reducing load volume and creating a horn effect that increase efficiency by 4 dB and allows controlling cone excursion.

The TB218S boasts a very high {efficiency X bandwidth} product, making it one of the most efficient on the market.

Extensive study of ergonomics has been conducted to ensure the highest level of comfort in handling, transportation and storage. The optional KR100 and KR125 offers the possibility to the TB218S to receive four large rotating casters, allowing "convoy" style haulage, or "wheelbarrow" style handling.

A total of eight handles for all types of manipulation associated to its limited weight (163 lb) makes it easy to handle in any environment. Optimization of the shapes and internal bracings has allowed 20% weight reduction whilst offering increased rigidity.

The TB218S must be used with an APG digital processor DMS48F.

The TB218S is ideally used for low frequency reinforcement with Matrix Array systems, Uniline series and loudspeakers from Dispersion series such as the DX15 or SMX15.

TB218S



Subwoofer TB218S

The TB218S is a new generation high-power subwoofer, combining the latest technological breakthroughs with user-oriented ergonomic design.

It is capable of producing exceptionally high sound pressure level, whilst offering punch, warmth and precision. The structural design of the cabinet, in conjunction with the use of neodymium magnets account for a significant weight reduction in comparison with traditional designs, to the point where all handling and shifting, except straight lifting, can be done handily.

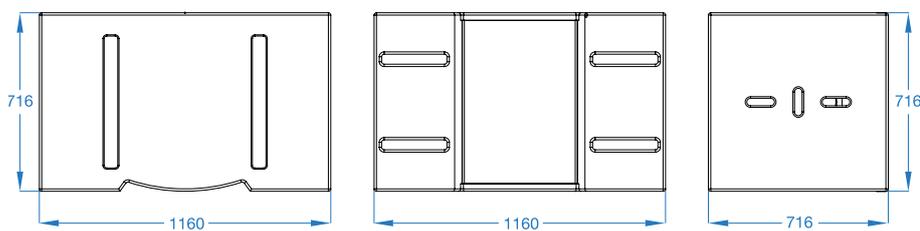
The TB218S is ideal for applications requiring high sound pressure at low frequencies. The frequency response, low distortion level and absence of thermal compression are up to the requirements of actual audio quality.

The TB218S is the complement of choice for Matrix Array systems, for Isoline Series, for Beam Series and large-scale systems based on DX15 or SMX15. The TB218S must be used with a suitable APG dynamic processor.

APG

TB218S

Technical Specifications



Features

TB218S

Description	Very high power subwoofer
Usable bandwidth (± 10 dB)	25 Hz - 80 Hz
SPL max @ 1m	150 dB SPL (1)
Nominal directivity ($H^\circ \times V^\circ$)	Omnidirectionnal (2)
Nominal impedance	4 ohm

Components

Transducers	2 x 18" ND
Topology	K-Horn
Type of load	Bandpass dual chamber - Bass Reflex - Laminar
Way and amplification section	1 way, mono amplified

Power

AES	1600 W (3)
Maximum power handling	6400 W (4)

Construction

Cabinet / Painting	15 mm Finnish Birch plywood / Black impact resistant aquarethane
Dimensions H, L, P (mm)	28,1" x 45,6" x 28,1" (716 x 1160 x 716 mm)
Weight (kg)	163,1 lb (74 kg)
Connectors	2 x Speakon NL4MP (5)
Handles	10 integral cut-out handle
Front face	2,5mm acoustically transparent perforated steel
Fittings	M20 insert, pole mount socket
Color	Black RAL 9005
IP	43

Options & Accessories

KR100	100 mm rotating wheels (x 4) (6)
KR125	125 mm rotating wheels (x 4) (6)
SCTB218S	Soft cover for 1 x TB218S
FAERO4	4 Aeroquip™ flying rings (7)
INOX03	Stainless steel screws and waterproof treated cone driver (8)
TROPIC04	Full treatment : wooden cabinet, screws and HP (9)
COL	Specific RAL color option

Electronics

Processors	DMS48F, DMS48F_D*
Amplifiers	DA8, DA12 / QUATTROCANALI

D* : Dante Option

- (1) Peak level @ 1m AES2-2012 2msr using 12dB crest factor pink noise with APG preset
- (2) Nominal directivity @-6dB
- (3) Continuous power according to AES2-2012 in DCR
- (4) Peak power according to AES2-2012 in DCR
- (5) SPEAKON connectors are wired hot pin 1+, cold pin1- (2+ and 2- are not connected)
- (6) The KR100 & KR125 options are respectively 100mm and 125mm rotating casters with brakes.
- (7) AEROQUIP™ system to allow speaker installation with safety slings.
- (8) Stainless steel screws and waterproofing of speaker cones.
- (9) Tropicalisation includes fiber-glass reinforced polyester coating of the cabinet, stainless steel screws and waterproofing of speaker cones.

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APG has a comprehensive research and development policy for the continual improvement of its products and service.

Due to this, new materials, manufacturing methods and technological changes may be introduced without prior notice. As a result, an APG product can differ from its published description in certain areas. However, unless otherwise indicated, its characteristics will always equal or better the published specifications.

5 YEARS WARRANTY
 *A five years warranty covers passive filters, transducers and compression drivers. The warranty does not cover cosmetic damages and damages due to misuse, improper installation, or damages caused by alterations.

APG

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