

# Car Sound 2009



**The bass makes the music;** you'll really feel it. The Blaupunkt sound systems put rich sound into any vehicle. All the components are matched with one another – designed to deliver maximum performance. The amplifiers operate like turbochargers, the subwoofers like racing engines, and you are the sound pilot sitting in the cockpit. So, just sit back and enjoy bass power at its best.

# Big bass in any case.

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# Sound that will let you take off – the Velocity speakers.

Perfect sound quality has a name: Velocity. The subwoofer, component and coaxial systems with the triangular emblem guarantee music enjoyment of the highest quality. Made for anyone who is unwilling to compromise and always looking for perfection. If you want a concert stage on wheels, the Velocity speaker systems will get you where you want to go.

- Optimized to highest power handling capacity and maximum sound quality
- Solid aluminum die-cast baskets for all VPw and VPc systems
- 2 x 2-ohm voice coils in all subwoofers
- 3-ohm impedance in all coaxial and component systems – coaxes up to 30% more power out of the amp
- Separate steep frequency crossovers for all VPc, Vc and Vx systems



## VPw 1200 Pro



That's a 12 on the Richter scale – this subwoofer not only gets any vehicle rocking, it also makes the deep bass sound a thing that all your senses will enjoy.

Voice coils  
wired in parallel  
= 1 ohm



Voice coils  
wired in series  
= 4 ohms



One voice coil  
per amplifier  
= 2 x 2 ohms



Optimal flexibility – all Velocity subwoofers have an impedance of 2 x 2 ohms to offer a wide range of connection configurations.



Vw 800

Vw 1000

## Vw Vantage subwoofers

Something for everyone – the Velocity subwoofers in the Vantage Series are available in four different sizes from 200 mm to 380 mm in diameter. All of them have been optimized for use in sealed or bass-reflex enclosures.



Vw 1200



Vw 1500

Cutting the corners off the box –  
the Vb 1000 subwoofer.

### Vb 1000



Enclosed subwoofers in a new dimension – the Velocity Vb subwoofers are proof positive of the fact that a box doesn't always have to have four corners.



The protective rods of the subwoofers and the logo can be illuminated.

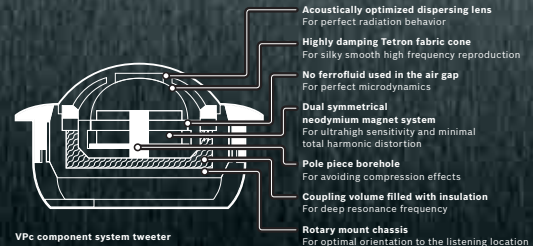
## VPc 662 Pro



The reference of sound: High-end reproduction is the result of years of experience, best materials and excellent workmanship. Velocity Pro makes all your sound dreams come true. All of the components of these speakers were optimized to create a unique listening experience.



Heavy metal – the complex frequency crossover in the VPc systems is built into a solid aluminum enclosure. Nice to look at and impossible to destroy.



A legend in their own time – experts rate VPc tweeters among the best in the world.

## Vx 662



No room in your car for separate tweeters and woofers? No problem – the Velocity coaxial systems offer everything for optimal sound quality that you would otherwise only expect of component systems.

A separate, particularly compact 12 dB frequency crossover provides for precise separation between tweeters and woofers in all the coaxial systems.



## Vc 542



Superior sound, elegance and acoustics that will blow you away: The best thing about the components systems in the Vc Series is not their black carbon look. They also shine with a multitude of other elaborate details. And anyone who thinks that top-quality sound has to cost a lot will be pleasantly surprised by this series.



It's all about the impedance. All the Velocity coaxial and component systems have an impedance of 3 ohms. The advantage: You can get up to 30% more power out of your amplifier compared to conventional 4-ohm systems. And don't worry – there won't be any problems, even if the system is connected directly to the car radio!

3-ohm speakers

130%

4-ohm speakers

100%

Amp ifier power in %

# Power that knows no limits: the Velocity amplifiers.

Listening to music is good, feeling it is a lot better. The ideal pre-requisites are provided by amplifiers with great power reserves that don't give up even when the going gets tough. The amplifiers in the Velocity series are able to meet even the most demanding requirements. With no compromises. Excellent sound and top-ate workmanship were combined to create a unique work of art with a rich feature package.

- Uncompromising design for highest sound quality
- VPA 1500 Pro 1-ohm stable, all other output stages 2-ohm stable
- Cable remote control for BassBoost included with all VPA 2140 Pro and VPA 1500 Pro
- Direct Aux-In (except VPA 1500 Pro)
- High-level input for VA 275 and VA 475



### VPA 1500 Pro

3000 W   Linkable   1 Ω stable   Remote Control   Reference Sound

This giant will drive any subwoofer to its limits. Thanks to its uncompromising 1-ohm stability, it delivers up to 1.5 kW of continuous power or 3 kW of maximum power. And if that's not enough, you can also connect two of these amps to virtually quadruple your power.

The Velocity-Pro amplifiers are available in three different versions: 1-channel, 2/1-channel and 4/3/2-channel systems. The Velocity-Vantage amplifiers come in two different versions: 2/1-channel and 4/3/2-channel systems.

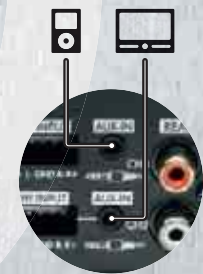
Technical specifications, see Page 44.



### VA 475

850 W   4/3/2-Channel Amplifier   2 Ω stable   Aux-In   High Level Input

First-class sound doesn't have to be expensive – the VA amplifiers offer outstanding performance and a unique range of features at an affordable price. Coupled with elegant looks in titanium silver and stylish black.



The direct line – the Velocity amp ifiers are also equipped with Blaupunkt's unique "Direct Aux input". Which means that you can connect such portable devices as MP3 players, iPods or navigation systems to the audio systems you have without an Aux input.



Perfect sound doesn't come f om nothing – a look into the interior of the VPA amplifier shows you where brilliance begins.



Would you care for a second helping of power? The "link function" lets you have it, connecting two VPA 1500 Pro amp ifiers to create one powe house. The result: up to 5000 watts at 1 ohm!



Great sound with no trouble: The drive concept of the TH Series impressively displays how compact high-quality vehicle speaker systems can be today. Don't waste any more time on thinking about how your factory-installed speakers can be replaced by a better system. And certainly don't worry about the installation – because the TH Series fits just about anywhere.

- Extremely flat design – easiest installation
- Low-resonance membranes made of injected polyp opylene (IPP) in an elegant "black brushed metal look"
- Rear-ventilated voice coils for optimized heat dissipation and higher electrical power handling
- Woofer magnets integrated in the steel basket for optimum stability (Integrated Magnet System)
- Designer covers with metal application included
- Two particularly compact active subwoofers and a passive version for the spare-wheel well



# Top-rate sound made so simple – the TH Series.

## THc 662

240 W



Elegant and extremely easy to install – the THc 662 pursues this philosophy right to the end. Whether it's the low installation depth of the woofer of just 46 mm, the compact tweeter with its swivel mounting or the extremely small 12 dB frequency crossover – everything is optimized for the best sound with the smallest footprint.



**Perfect climate:**  
The many vents in the basket do not only ensure optimal cooling for the voice coil, they also prevent any compression effects.

**Flat intelligence:**  
The special geometry of the low-resonance membrane made of injected polyp opylene (IPP) makes for the particularly flat design of all the TH speakers.

### THb 210 A

- 240 W
- 200 mm
- Variable Crossover
- Automatic on/off
- Easy Installation

This is how small great performance can be: The THb 210 A is particularly compact (only about 9 liters of net volume), but still has all the power of a big, fat subwoofer. Saving space is one of its specialties. No need for a separate amplifier, because a powerful output stage is already integrated into an extremely robust enclosure made of die-cast aluminum. With automatic power-on and speaker inputs, the THb 210 A is an ideal addition to any existing original car audio system.



The electronics on the inside of the THb 210 A with the powerful 240 W amplifier gives the right drive to the woofer.



### THb 200 A

- 140 W
- 200 mm
- 71 mm
- Automatic on/off
- Easy Installation

Flat, but packs a powerful punch: with only 71 mm of installation height, the subwoofer is so compact that it fits under the front seat in many different vehicles. Still, the THb 200 A delivers its best sound performance when it's installed directly under the dashboard in the front-seat passenger footwell.



An ideal couple – the THA 1250 PnP (not included) fits perfectly into the recess in the THs 6902.



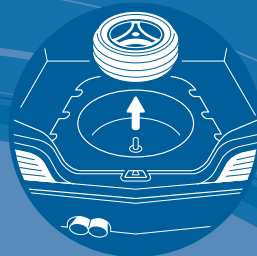
## THs 6902

1000 W

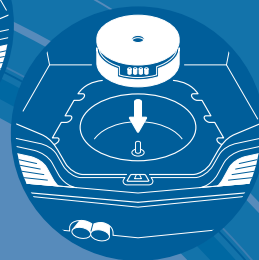
6" x 9"

Easy Installation

Get your head "round" this! Now you can tuck your subwoofer away in a space that is usually left unused in many vehicles – in the spare-wheel well. And thanks to the hole in the center of the subwoofer enclosure, it doesn't matter if you can't remove the central bolt that holds the spare wheel in place. With its two oval 6" x 9" woofers, the THs 6902 delivers rich, full-bodied bass sound from a flat bass-reflex box. Pairing this subwoofer up with the THA 1250 PnP amplifier makes for an ideal combination: there's a recess designed to accommodate the amp integrated right into the subwoofer enclosure.



It doesn't get any easier than this: out with the spare wheel – in with the THs 6902 subwoofer!



TH coaxial system sizes:  
100 mm, 130 mm, 165 mm and 4" x 6".  
TH triaxial system sizes:  
6" x 9".  
TH component system sizes:  
130 mm and 165 mm.  
TH subwoofer sizes:  
200 mm ult a-flat, 200 mm, 2 x 6" x 9".

Technical specifications, see Page 45.

# Plug'n'Play for Rock'n'Roll – the THA-PnP amplifiers.

More and more vehicles are now equipped with radios from the factory that can be upgraded with other systems some time down the line. And then there are leasing vehicles that you can't alter, making retrofitting with new sound systems virtually impossible. Now there's a solution for more power – thanks to Blaupunkt's new THA Plug 'n' Play amplifier series, almost any vehicle can be fitted with powerful amplifiers without having to cut a single original cable. The installation is child's play in the truest sense of

the word and can usually be finished in less than 30 minutes. The only thing that can be faster is you making your decision.

- Plug 'n' Play connection option
- Ultra-compact
- Minimal power consumption
- Direct Aux-In (except THA 1250)
- Cable remote control for BassBoost included (THA 1250 and THA 555 only)

## THA 475 PnP



Simply strong – despite its particularly compact enclosure, the THA 475 PnP is a real powerhouse. Intelligent circuitry has made it possible to reduce its dimensions by about 65 percent compared to conventional amplifiers in its class. And its innovative Plug 'n' Play connection technology makes installation incredibly easy.



Our motto is: Save space. Thanks to their extremely compact dimensions, the THAs can be easily installed virtually anywhere. Gone are the days when amplifiers almost always had to be installed in the trunk because of their size. Center console, glove compartment, under the front seats or behind the dashboard are the convenient installation locations of the future.

# Six steps to more power:



1 Remove the radio.



2 Plug the correct PnP adapter into the radio.



3 Connect the original wiring harness to the PnP adapter.



4 Connect the PnP extension cord to the PnP adapter.



5 Connect the PnP extension cord to the amplifier.



6 Mount the amplifier and return the radio to its original position.

Say goodbye to bulky tool kits: Up to now, anyone wanting to install an amplifier needed a whole range of different pliers, screwdrivers, special wrenches and often even a soldering iron at the ready. Nowadays,

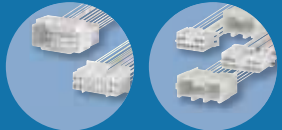
sometimes all you need are the mounting brackets to remove the original radio. And thanks to the vehicle-specific adapters, you don't need to be an electronics engineer.



VW adapter

BMW adapter

Ford adapter

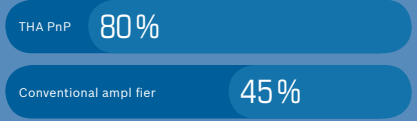


Suzuki adapter

Volvo adapter

A connection for any car: There are 40 different adapters to choose from, which means that you can easily connect a THA PnP amplifier to factory-installed radios in close to 1500 vehicle models built by European, Asian and American manufacturers.

### Efficiency



Heat Music

Lots of power – low on “thirst”. In order to supply the THA PnP amps with power through the original wires, their power consumption has to be minimal. Thanks to the enormous efficiency of the PnP amplifiers, almost all of the input power is transformed into music – and not into heat. Don’t worry: the PnPs won’t get the wires smoking – but your ears might.

The THA-PnP amplifier is available in four different versions: 1-channel, 2/1-channel, 4/3/2-channel and 5/4/3-channel systems.

Technical specifications, see Page 46.



THA 555 PnP

THA 1250 PnP

THA 275 PnP

The sound pipeline: Wherever you install the amplifier – in the rear of the vehicle or in the trunk – you’ll always find a connection cable in the right length. Two different lengths are available (2.5 m and 5.5 m).



Hardly another speaker series currently on the market has been as successful over the past few years as the GT Series made by Blaupunkt. Thanks to regular model updates, these masters of sound have been able to consistently provide optimized performance year after year. As a result, the 2009 generation with its 17 different models and sizes is now more uncompromising and elegant than ever before. The acoustic properties, which have been enhanced yet again with new cones and gold-plated connectors for maximum service life, are unique, not only in this price segment.

- Low-resonance membranes (Injected PP) in all GTx, GTc and GTw speakers
- Rear-ventilated voice coils for optimized heat dissipation and higher electrical power handling
- Gold plated connectors
- Designer covers included (except the GTx 352 Mystic Series)

# Black is beautiful – the GT Series.



## GTx 693 Mystic Series



Black magic – the combination of black covers, cones in the “black brushed metal look” and tweeter bridges in “black chrome” give the GT Series a unique and particularly elegant appearance. Sound and workmanship are also in a class of their own, and not only in this price segment.

What glistens here really is gold – the connector contacts on the GT speakers have been covered with a layer of the precious metal to provide for optimal resistance to corrosion.



## GTc 662 Mystic Series

240 W

56 mm

165 mm

Going separate ways for perfect sound harmony – the component systems in the GT series make it possible to separately install the tweeters at the acoustically most suitable location. And if that is not enough, their swivel mounting even allows you to tweak the positioning to provide for impeccable sound.

## GTw 1000 Mystic Series

900 W

126 mm

250 mm

The ideal solution for individualists. The parameters of the GTw subwoofer systems were chosen so that they provide for impressive deep bass sound in sealed as well as in bass-reflex enclosures.

## GTb 1200 Mystic Series

850 W

300 mm

91 dB/SPL

DIY installation is not for you? The GTb 1200 Mystic Series already comes complete with an optimally dimensioned enclosure.



The sizes of the GT coaxial systems:  
87 mm, 100 mm, 130 mm, 158 mm, 165 mm,  
4" x 6" and 5" x 7".

The sizes of the GT triaxial systems  
165 mm, 200 mm und 6" x 9".

The sizes of the GT component systems:  
130 mm, 158 mm und 165 mm.

The sizes of the GT subwoofers:  
250 mm, 300 mm, 300 mm tube and 300 mm box.

Technical specifications, see Pages 46 to 48.

Perfect connections – the GTC1 set contains all the wiring and cables you need to connect the GTA amplifiers. Power cords, speaker wiring and the four-channel cinch cable – it's all there.





# More powerful than ever – the GTA Series.

Even really successful models can still be tweaked and optimized. That's why the new GTA amplifiers were treated to a full power makeover. Both versions now deliver more power under all kinds of conditions to provide for greater sound enjoyment. What has stayed the same, of course, are the outstanding workmanship and legendary reliability. The new amplifiers are real GTAs, there's no doubt about it – they're built for success!

- 2-ohm stable (4-ohm stable in bridged mode)
- Variable high and low pass filters
- Variable BassBoost for deeper bass reproduction
- Enhanced performance



Everything you need for rich sound – the connector panel of the GTA 470 offers different setting options for input sensitivity, the crossover frequency and BassBoost.



A real Blaupunkt – even in the entry-level category. The embossed aluminum logo is the trademark and guarantee for highest reliability and quality at the same time.



## GTA 470 Mystic Series



The dark side of power – with their elegant, black surfaces, the GTA Mystic Series amplifiers pack a real visual punch. And anyone who has listened to them knows that their sound performance compares in every way to their stylish appearance.

## GTA 270 Mystic Series



A size smaller – the GTA 270 offers the same sound features as its big brother, but just has two channels.

Technical specifications, see Page 48.

# Your start into the Blaupunkt world of sound – the EM Series.

If your budget is low, but your expectations are high, it's time to take a look at the new EM Series. Many of the elements and ideas that have made the GT Series so successful have been incorporated into this new concept. Because the series concentrates on the most popular sizes, these speakers deliver the right sound for many vehicles. The small, active EMB 800 A sub-

woofer is the highlight of the series; it can be added to the system quickly and inexpensively to provide a richer bass foundation.

- Low-resonance polypropylene cones
- High power-handling capacity
- Designer covers included with the coaxial and triaxial systems



## EMx 663



Three ways to good sound – even in the entry-level segment, the EMx 663 has been equipped with all the prerequisites to afford lots of music quality. The only cheap thing about this speaker is the price – with no compromises made in terms of reliability or sound.



The right settings make the critical acoustic difference. Parameter level, cut-off frequency and phase – only when all three are infinitely variable is it possible to perfectly integrate an active subwoofer into an existing speaker system. And that's why we have made no exception with the EMb 800 A.

## EMb 800 A

150 W

200 mm

Variable Crossover

The small bass sensation – the compact EMb 800 A is the ideal way to dramatically upgrade sound systems that are a little weak on the bass in smaller vehicles. Its active electronics deliver a lot of power to the wide-excursion 200-mm chassis, which is built into a solid bass-reflex enclosure.



## EMb 1200

600 W

300 mm

91 dB/SPL

30 – 27 – 35 – the EMb 1200 has the “ideal figure” for a powerful bass blizzard. Its 30-cm woofer works in a 27-liter wood enclosure, supported by a bass-reflex aperture tuned to 35 Hz. So that you not only hear the music, you can feel it, too.

The tunnels for more pressure – both EMb subwoofers are supported in the deep bass range by precisely tuned bass-reflex channels on the top side of the enclosure. The generously dimensioned cross sections minimize unwanted noise.

The EM coaxial system is available in the following sizes: 100 mm, 130 mm and 165 mm.

The EM triaxial system is available in the following sizes: 165 mm and 6" x 9".

The EM subwoofer is available in the following sizes: 200 mm and 300 mm.

Technical specifications, see Page 49.

# Solid basis – the EMA Series.

Are you looking for reliable amplifiers at particularly affordable prices? In that case, the new EMA Series is exactly the right choice. By concentrating on the most important functions and ample power reserves, the amplifiers prove once again that genuine Blaupunkt quality is available in every price segment. Rich sound and the legendary reliability are just as much a part of the package as the high-quality appearance in elegant titanium silver.

- 2-ohm stable (4-ohm stable in bridged mode)
- Variable high and low pass filters
- Variable BassBoost for expanded bass reproduction

Everything you need for good sound. Gain control, high-pass and low pass filters and variable BassBoost – the EMA amplifiers are equipped with all the important features.



## EMA 460



The EMA amplifiers are convincing proof, visually as well as technically, that cutting corners is absolutely taboo, even in the entry-level segment. Solid heat sinks with a brushed, anodized surface on the outside guarantee long product service life with great sound properties.

## EMA 260



A half pint? No way! Compared to its bigger colleague, the EMA 260 is equipped with only two channels and half the total power, but has all the same features.

Technical specifications, see Page 49.



1000W

**Max. power:** Maximum load handling capability of the speaker or maximum output power of the amplifier.



**2-ohm stable:** The amplifier can handle speaker impedances down to a minimum of 2 ohms.



**db/SPL:** Sensitivity of the speaker at a distance of one meter with 2.83 volts input voltage.



**Ultra compact:** Highest integration and highly efficient Class D technology reduces amplifier dimensions to a minimum without having to cut back on performance quality.



**Installation depth:** Installation depth of the speaker in millimeters.



**1-ohm stable:** The amplifier can handle speaker impedances down to a minimum of 1 ohms.



**Reference sound:** This product utilizes only the finest materials for optimal sound quality.



**2 x 2 ohms:** More flexibility for the connection configuration – the voice coils can be connected in parallel (= 1 ohm) or in series (= 4 ohms) or driven by separate amplifiers.



**Diameter:** Exterior diameter of the speaker in millimeters.



**High-level input:** The amplifier can be connected directly to the speaker outputs of a car radio if there are no Preamp output connections available.



**Remote control:** Cable remote control for controlling the amplifier bass level.



**Number of channels:** Specifies the amp's operating modes. A 4-channel amplifier, for example, can be operated in 3- or 2-channel mode when bridged.



**Direct AUX input:** Additional direct input for portable players and navigation systems. Ideal if the radio does not have additional inputs for external signal sources.



**Automatic on/off:** The device switches on automatically when a music signal is received. The device switches itself off again automatically sixty seconds after the last signal is received.



**Linkable:** two amplifiers can be interconnected to achieve quadruple the output power.



**Variable crossover:** Infinitely variable crossover with high and low pass filters for flexible, precise driving of the connected speakers.



**Plug 'n' Play connectivity:** Prepared for easiest connection to the car stereo via an optionally available, vehicle-specific adapter cables.



**Easy installation:** Products with this feature were developed so that they can be installed in the vehicle with minimal effort.



Vb 800



Vb 1000



Vw 800



Vw 1000



Vw 1200



Vw 1500

System	Subwoofer box	Subwoofer box	Subwoofer	Subwoofer	Subwoofer	Subwoofer
Diameter (mm)	2 x 200	2 x 250	200	250	300	380
Rated power handling	2 x 150 watts	2 x 200 watts	200 watts	250 watts	300 watts	350 watts
Peak power handling	2 x 600 watts	2 x 800 watts	800 watts	1 000 watts	1 200 watts	1 400 watts
Sensitivity 2 83 V/m	93 dB	94 dB	89 dB	90 dB	91 dB	92 dB
Frequency response Hz	30 500 Hz	25 500 Hz	40 1 000 Hz	35 500 Hz	30 500 Hz	25 500 Hz
Impedance	2 x 2 ohms	2 x 2 ohms	2 x 2 ohms	2 x 2 ohms	2 x 2 ohms	2 x 2 ohms
Cone material	IPP	IPP	IPP	IPP	PP	IPP
Installation depth (mm)	591 x 276 x 360 mm	738 x 348 x 394 mm	92	111.5	130.5	165



VPw 1200 Pro



VPw 1500 Pro

System	Subwoofer	Subwoofer
Diameter (mm)	300	380
Rated power handling	1 000 watts	1 200 watts
Peak power handling	4 000 watts	4 800 watts
Sensitivity 2 83 V/m	91 dB	92 dB
Frequency response Hz	20 250 Hz	15 250 Hz
Impedance	2 x 2 ohms	2 x 2 ohms
Cone material	PP	PP
Installation depth (mm)	182 mm	205 mm



Vc 542



Vc 652



Vc 662

System	2 way component	2 way component	2 way component
Diameter (mm)	130	158	165
Rated power handling	70 watts	80 watts	80 watts
Peak power handling	280 watts	320 watts	320 watts
Sensitivity 2 83 V/m	91 dB	92 dB	92 dB
Frequency response Hz	45 25 000 Hz	35 25 000 Hz	35 25 000 Hz
Impedance	3 ohms	3 ohms	3 ohms
Cone material	PP/silk	IPP/silk	IPP/silk
Installation depth (mm)	50/54	50/54	56/60



VPc 542 Pro



VPc 652 Pro



VPc 662 Pro

System	2 way component	2 way component	2 way component
Diameter (mm)	130	158	165
Rated power handling	100 watts	120 watts	120 watts
Peak power handling	400 watts	480 watts	480 watts
Sensitivity 2 83 V/m	91 dB	92 dB	92 dB
Frequency response Hz	45 25 000 Hz	35 25 000 Hz	35 25 000 Hz
Impedance	3 ohms	3 ohms	3 ohms
Cone material	CFG/silk	CFG/silk	CFG/silk
Installation depth (mm)	62/65	66/70	71/67



Vx 402



Vx 542



Vx 652



Vx 662



Vx 692

System	2 way coaxial	2 way coaxial	2 way coaxial	2 way coaxial	2 way coaxial
Diameter (mm)	100	130	158	165	6" x 9"
Rated power handling	50 watts	60 watts	70 watts	70 watts	80 watts
Peak power handling	200 watts	240 watts	280 watts	280 watts	320 watts
Sensitivity 2.83 V/m	90 dB	90 dB	91 dB	91 dB	92 dB
Frequency response Hz	70 - 25 000 Hz	50 - 25 000 Hz	40 - 25 000 Hz	40 - 25 000 Hz	30 - 25 000 Hz
Impedance	3 ohms	3 ohms	3 ohms	3 ohms	3 ohms
Cone material	IPP/silk	IPP/silk	IPP/silk	PP/silk	IPP/silk
Installation depth (mm)	43.5/47	53/57	52.5/56	60/63	76/80



VPA 1500 Pro



VPA 2140 Pro



VPA 4130 Pro

Max. total power	3 000 watts (1 ohms)	1 000 watts (1 channel mode)	1 600 watts (2 channel mode)
RMS power 4 ohms	1 x 550 watts	2 x 150 watts / 1 x 500 watts	4 x 130 watts / 2 x 400 watts
RMS power 2 ohms	1 x 950 watts	2 x 250 watts	4 x 200 watts
Max. power 4 ohms	1 x 1 100 watts	2 x 300 / 1 x 1 000 watts	4 x 260 / 2 x 800 watts
Number of channels	1	2/1	4/3/2
Speaker outputs	2	2	4
Inputs	Cinch	Cinch Direct Aux input	Cinch 2 x Direct Aux input
Frequency range Hz	10 - 300 Hz	10 - 40 000 Hz	10 - 40 000 Hz
Stability	1 ohms	2 ohms	2 ohms
Signal/noise ratio	> 100 dBA	> 100 dBA	> 100 dBA
Gain adjust	0.3 - 8 volts	0.3 - 8 volts	0.3 - 8 volts
Low pass	40 - 300 Hz	65 - 4 000 Hz	65 - 4 000 Hz
High pass	20 - 55 Hz	40 - 450 Hz	40 - 450 Hz
Accessories included	Cable remote control	Cable remote control	
Dimensions W x H x D (mm)	526 x 54 x 260 mm	476 x 54 x 260 mm	616 x 54 x 260 mm



THx 402



THx 542



THx 662



THx 462



THx 693

System	2 way coaxial	2 way coaxial	2 way coaxial	2 way coaxial	3 way triaxial
Diameter (mm)	100	130	165	4" x 6"	6" x 9"
Rated power handling	40 watts	40 watts	50 watts	40 watts	70 watts
Peak power handling	160 watts	160 watts	200 watts	160 watts	280 watts
Sensitivity 2.83 V/m	91 dB	91 dB	92 dB	91 dB	93 dB
Frequency response Hz	80 - 22 000 Hz	70 - 22 000 Hz	60 - 22 000 Hz	60 - 22 000 Hz	40 - 22 000 Hz
Impedance	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Cone material	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI
Installation depth (mm)	36	43	46	41	57



THc 542



THc 662



THs 6902



THb 200 A



THb 210 A

System	2 way component	2 way component	Passive subwoofer box	Active subwoofer box	Active subwoofer box
Diameter (mm)	130	165	2 x 6 x 9"	200	200
Rated power handling	50 watts	60 watts	2 x 150 watts	70 watts	120 watts
Peak power handling	200 watts	240 watts	2 x 500 watts	140 watts	240 watts
Sensitivity 2.83 V/m	92 dB	92 dB	93 dB	Active system	Active system
Frequency response Hz	60 - 22 000 Hz	50 - 22 000 Hz	40 - 500 Hz	30 - 120 Hz	20 - 120 Hz
Impedance	4 ohms	4 ohms	2 x 4 ohms		
Cone material	Injected PP/PEI	Injected PP/PEI	Injected PP	Aluminium compound	Cardboard
Installation depth (mm)	43	46	165 mm x 570 mm Ø	340 x 225 x 71/79 mm	340 x 225 x 161/169 mm



THA 1250 PnP



THA 275 PnP



THA 475 PnP



THA 555 PnP

Max. total power	600 watts (2 ohms)	400 watts	600 watts	1 000 watts
RMS power 4 ohms	1 x 250 watts	2 x 75 / 1 x 190 watts	4 x 75 / 2 x 150 watts	4 x 55 + 1 x 200 watts
RMS power 2 ohms	1 x 300 watts	2 x 90 watts	4 x 85 watts	4 x 75 watts + 1 x 250 watts
Max. power (4 ohms)	1 x 500 watts	2 x 150 / 1 x 400 watts	4 x 150 / 2 x 300 watts	4 x 110 + 1 x 400 watts
Number of channels	1	2/1	4/3/2	5/4/3
Speaker outputs	1	2	4	5
Inputs	Cinch PnP input	Cinch PnP input Direct Aux input	Cinch PnP input 2 x Direct Aux input	Cinch PnP input 2 x Direct Aux input
Frequency range Hz	10 - 30 000 Hz	10 - 30 000 Hz	10 - 30 000 Hz	10 - 30 000 Hz
Stability	2 ohms	2 ohms	2 ohms	2 ohms
Signal/noise ratio	> 95 dBA	> 95 dBA	> 95 dBA	> 95 dBA
Gain adjust	0.3 - 8 volts	0.3 - 8 volts	0.3 - 8 volts	0.3 - 8 volts
Low pass	50 - 250 Hz	50 - 250 Hz	50 - 250 Hz	50 - 250 Hz
High pass/Subsonic	10 - 250 Hz	10 - 250 Hz	10 - 250 Hz	10 - 250 Hz
Accessories included	Cable remote control			Cable remote control
Dimensions W x H x D (mm)	159 x 41 x 260 mm	159 x 41 x 170 mm	159 x 41 x 285 mm	159 x 41 x 355 mm



GTx 352 Mystic Series



GTx 402 Mystic Series



GTx 542 Mystic Series



GTx 652 Mystic Series



GTx 662 Mystic Series



GTx 663 Mystic Series

System	2 way coaxial	2 way coaxial	2 way coaxial	2 way coaxial	2 way coaxial	3 way triaxial
Diameter (mm)	87	100	130	158	165	165
Rated power handling	25 watts	30 watts	40 watts	45 watts	45 watts	50 watts
Peak power handling	120 watts	140 watts	180 watts	200 watts	200 watts	220 watts
Sensitivity 2.83 V/m	90 dB	90 dB	91 dB	92 dB	92 dB	93 dB
Frequency response Hz	90 - 20 000 Hz	90 - 20 000 Hz	70 - 20 000 Hz	60 - 22 000 Hz	60 - 22 000 Hz	40 - 22 000 Hz
Impedance	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Cone material	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI
Installation depth (mm)	37.0	39.4	48	53	56	56



GTx 803 Mystic Series



GTx 462 Mystic Series



GTx 572 Mystic Series



GTx 693 Mystic Series

System	3 way triaxial	2 way coaxial	2 way coaxial	3 way triaxial
Diameter (mm)	200	4" x 6"	5" x 7"	6" x 9"
Rated power handling	55 watts	35 watts	40 watts	55 watts
Peak power handling	260 watts	160 watts	180 watts	260 watts
Sensitivity 2.83 V/m	92 dB	91 dB	91 dB	92 dB
Frequency response Hz	40 - 22 000 Hz	80 - 20 000 Hz	60 - 22 000 Hz	40 - 22 000 Hz
Impedance	4 ohms	4 ohms	4 ohms	4 ohms
Cone material	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI
Installation depth (mm)	76	45	55.0	74.5



GTc 542 Mystic Series



GTc 652 Mystic Series



GTc 662 Mystic Series

System	2 way component	2 way component	2 way component
Diameter (mm)	130	158	165
Rated power handling	45 watts	50 watts	50 watts
Peak power handling	200 watts	220 watts	220 watts
Sensitivity 2.83 V/m	91 dB	91 dB	91 dB
Frequency response Hz	60 - 22 000 Hz	50 - 22 000 Hz	50 - 22 000 Hz
Impedance	4 ohms	4 ohms	4 ohms
Cone material	Injected PP/PEI	Injected PP/PEI	Injected PP/PEI
Installation depth (mm)	48	53	56



**GTW 1000 Mystic Series****GTW 1200 Mystic Series****GTt 1200 Mystic Series****GTb 1200 Mystic Series**

System	Subwoofer	Subwoofer	Subwoofer tube	Subwoofer box
Diameter (mm)	250	300	300	300
Rated power handling	200 watts	220 watts	200 watts	250 watts
Peak power handling	900 watts	1 000 watts	700 watts	850 watts
Sensitivity 2.83 V/m	91 dB	92 dB	91 dB	91 dB
Frequency response Hz	35 - 1 000 Hz	30 - 1 000 Hz	35 - 500 Hz	35 - 500 Hz
Impedance	4 ohms	4 ohms	4 ohms	4 ohms
Cone material	Injected PP	Injected PP	Spun Paper	Spun Paper
Installation depth (mm)	125	139	484 mm x 328 mm Ø	432 x 387 x 378 mm

**VA 275****VA 475****GTA 270 Mystic Series****GTA 470 Mystic Series**

Max. total power	425 watts (1 channel mode)	850 watts (2 channel mode)	420 watts (1 channel mode)	840 watts (2 channel mode)
RMS power 4 ohms	2 x 75 watts / 1 x 210 watts	4 x 75 watts / 2 x 210 watts	2 x 70 watts / 1 x 200 watts	4 x 70 watts / 2 x 200 watts
RMS power 2 ohms	2 x 105 watts	4 x 105 watts	4 x 100 watts	4 x 100 watts
Max. power (4 ohms)	2 x 160 / 1 x 425 watts	4 x 160 / 2 x 425 watts	2 x 140 / 1 x 420 watts	4 x 140 / 2 x 420 watts
Number of channels	2/1	4/3/2	2/1	4/3/2
Speaker outputs	2	4	2	4
Inputs	Cinch High level Direct Aux input	Cinch High level 2 x Direct Aux input	Cinch	Cinch
Frequency range Hz	10 - 35 000 Hz	10 - 35 000 Hz	10 - 30 000 Hz	10 - 30 000 Hz
Stability	2 ohms	2 ohms	2 ohms	2 ohms
Signal/noise ratio	> 95 dBA	> 95 dBA	> 92 dBA	> 92 dBA
Gain adjust	0.3 - 8 volts	0.3 - 8 volts	0.3 - 8 volts	0.3 - 8 volts
Low pass	50 - 250 Hz	50 - 250 Hz	50 - 250 Hz	50 - 250 Hz
High pass	50 - 250 Hz	50 - 250 Hz	80 Hz	80 Hz
Dimensions W x H x D (mm)	240 x 54 x 258 mm	330 x 54 x 258 mm	197 x 52 x 296 mm	197 x 52 x 426 mm

**EMx 402****EMx 542****EMx 662****EMx 663****EMx 693****EMb 1200****EMb 800 A**

48149

System	2 way coaxial	2 way coaxial	2 way coaxial	3 way triaxial	3 way triaxial	Passive subwoofer box	Active subwoofer box
Diameter (mm)	100	130	165	165	6" x 9"	300	200
Rated power handling	20 watts	30 watts	35 watts	35 watts	40 watts	150 watts	75 watts
Peak power handling	100 watts	140 watts	160 watts	160 watts	200 watts	600 watts	150 watts
Sensitivity 2.83 V/m	90 dB	90 dB	91 dB	91 dB	92 dB	90 dB	Active system
Frequency response Hz	90 - 20 000 Hz	70 - 20 000 Hz	60 - 20 000 Hz	60 - 22 000 Hz	40 - 20 000 Hz	35 - 500 Hz	30 - 120 Hz
Impedance	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	
Cone material	PP/PEI	PP/PEI	PP/PEI	PP/PEI	PP/PEI	Spun Paper (SPC)	Spun Paper (SPC)
Installation depth/Dimensions (mm)	47	43.8	58	58	77.5	360 x 400 x 330	250 x 250 x 270 mm

**EMA 260****EMA 460**

Max. total power	350 watts (1 channel mode)	700 watts (2 channel mode)
RMS power 4 ohms	2 x 55 watts / 1 x 160 watts	4 x 55 watts / 2 x 160 watts
RMS power 2 ohms	2 x 80 watts	4 x 80 watts
Max. power 4 ohms	2 x 110 / 1 x 350 watts	4 x 110 / 2 x 350 watts
Number of channels	2/1	4/3/2
Speaker outputs	2	4
Inputs	Cinch	Cinch
Frequency range Hz	10 - 25 000 Hz	10 - 25 000 Hz
Stability	2 ohms	2 ohms
Signal/noise ratio	> 90 dBA	> 90 dBA
Gain adjust	0.3 - 8 volts	0.3 - 8 volts
Low pass	50 - 250 Hz	50 - 250 Hz
High pass	50 - 250 Hz	50 - 250 Hz
Dimensions W x H x D (mm)	230 x 56 x 220 mm	230 x 56 x 300 mm

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