



STATE OF THE ART DRIVERS  
 CUTTING EDGE TECHNOLOGY  
 AUDIOPHILE MEASURE  
 DANISH DESIGN EXCELLENCE  
 FAITHFUL REPRODUCTION  
 DVD & DIGITAL READY  
 INDEPENDENTLY TESTED (SSS)

**XLS**  
 EXTRA Long Stroke



**PEERLESS SPEAKERS MADE IN DENMARK**

Peerless of Denmark are one of the oldest and best speaker manufacturers in the world. Peerless have been producing quality audio products in Denmark for more than 75 years and are suppliers to leading exotic electronic Hi-Fi manufacturers. Peerless is a company with tradition and extensive experience. They and are known leaders in the pursuit of audio excellence. Using both human and computer technologies, modern in-house resources for R&D, testing and manufacture, their drivers are at the forefront of audio for the demands of the digital age. Others can only follow. The Peerless philosophy and the companies standing in the industry is recognized world-wide. WES Components is proud to be associated with this product and we look forward to future development of this range.

**HDS**  
 High Definition Series



**HDS**



**HDS**  
 High Definition Series



**Peerless**

Made In Denmark



*Independently tested by:*

**STONES SOUND STUDIO**

**AUDIO & ACOUSTIC ENGINEERING CONSULTANTS**

**SPEAKER ENCLOSURE DESIGN**

Active & Passive Crossover Design

Commercial Speaker Driver Design

LEAP design - LMS measurements

Developments Upgrades Assesments

Russell Storey

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www.wescomponents.com/SSS



**SSS PARAMETERS INCLUDED**

Several samples from each driver were sent to Stones Sound Studio (SSS) for independent testing. These parameters are given in high resolution to facilitate better box and port calculations. Power ratings are very subjective, these are as given by Peerless. Data sheets for each driver are available. Please enquire.

### TWEETER NEODYMIUM 1"/50mmØ

New compact design based on the original soft dome fabric which so far has only been used to produce Peerless high end tweeters. The small yet powerful Neodymium magnet has been designed with emphasis on high temperature performance. Ferrofluid cooled.

Excellent solution for compact enclosures.

SSS "Recommend Xover 3.8KHz with 12dB/Octave"

P/No. 53 NDT 26 25 SF FF

Pwr 80Wmax

Coil 26mmØ

Mag 10g (1T) 25mmØ

Zo 8.42W (5.58Wdc)

Fs 1424Hz

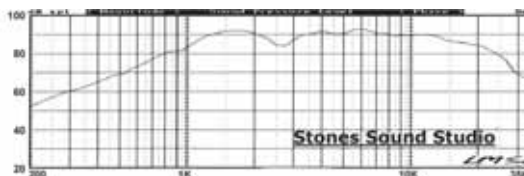
Sens' 90.5dBm

Qms 3.66

Qes 2.70

Qts 1.55

P811435



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 0.5%) It is recommended that you double check stock before drilling any holes.

### TWEETER 1"/80mmØ

Same high end fabric dome material as the other Peerless tweeters.

Non ferrofluid model giving a slightly brighter response, improves detail and micro dynamics.

Recommended for use with smaller low power designs.

Requires a high order crossover filter.

SSS "Recommend for 2 way bookshelf."

P/No. 80 DT 25 55 SF

Pwr 90Wmax (2K-20KHz)

Coil 26mmØ

Mag 150g 55mmØ

Zo 22.4Ω (6.90Ωdc)

Fs 1070.01Hz

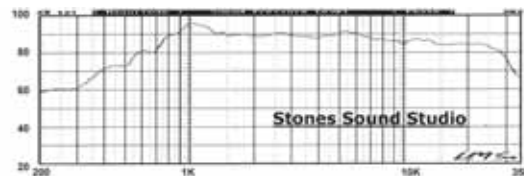
Sens' 89.0dBm

Qms 5.5387

Qes 2.4653

Qts 1.7056

P811582



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 0.5%) It is recommended that you double check stock before drilling any holes.

### TWEETER 1"/100mmØ

Wide angle front dispersion plate plastic face textile dome tweeter. Ferro fluid cooled giving extra damping for a smooth frequency response and impedance curve with a high power capacity to meet most high end applications. Excellent off-axis response. A popular replacement driver from Peerless for many years offering exceptional value and reliability.

SSS "2 or 3way, excellent wide dispersion and high bandwidth"

P/No. 100 DT 26 72 SF FF WA

Pwr 130Wmax (3K-20KHz)

Coil 26mmØ

Mag 72mmØ

Zo 16.01Ω (5.23Ωdc)

Fs 1102.65Hz

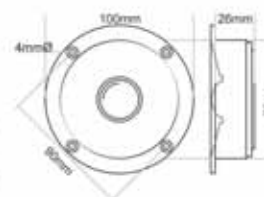
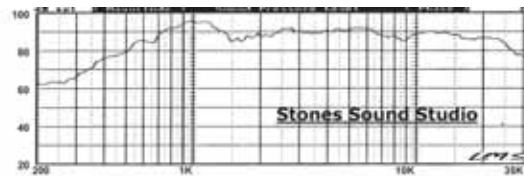
Sens' 90.5dBm

Qms 2.0114

Qes 0.9760

Qts 0.6571

P811827



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 0.5%) It is recommended that you double check stock before drilling any holes.

### TWEETER 1"/100mmØ MAGNETICALLY SHIELDED

Same speaker as the popular 811827 unit with wide angle face and smooth high power ferro fluid, but with the addition of shielding. Low stray flux makes this high end tweeter ideal for surround sound applications where the driver is located near the television, etc.

Truly a high quality tweeter for use in demanding systems.

SSS "Excellent value Audiophile & home theater."

P/No. 100 DT 26 60 SF WA TV

Pwr 100Wmax (2K-20KHz)

Coil 26mmØ

Mag 60mmØ

Zo 24.08Ω (5.19Ωdc)

Fs 907.0029Hz

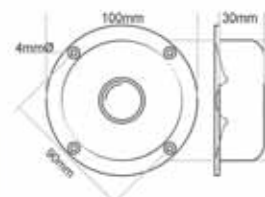
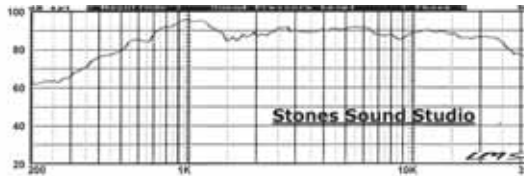
Sens' 91.2dBm

Qms 4.1497

Qes 1.1402

Qts 0.8944

P812978



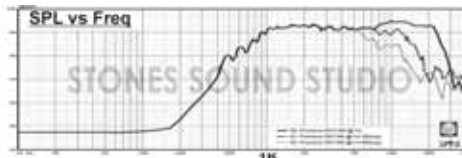
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## TWEETER 1"/105mmØ HDS HIGH DEFINITION SERIES

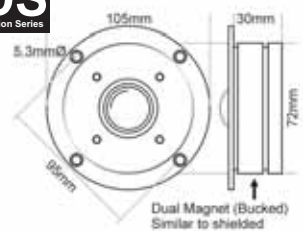
Developed & made by Peerless to Stones Sound Studios' specifications. Compliments & enhances the XLS/HDS driver range. Improved power handling, sensitivity and definition. Twin bucking magnet reduces stray fields (use near tv) and focuses BL flux. Inbuilt pole dampening with contoured pure fibre felt. Special, extremely low viscosity ferro fluid, ventilated alloy former, for faster speed and a better controlled motor assembly. Cast alloy flat fascia. Exposed treated soft dome. Off axis optimized.

- P/No. 105 DK 26 72 SF FF DM (SO1160)  
 Pwr 130Wrms (3K-20KHz)  
 Coil 26mmØ  
 Mag 72mmØ  
 Zevc 5.1Ω  
 Fs 1066Hz  
 Sd 7.2cm<sup>2</sup>  
 Vas 7.1mL  
 Sens' 92.951dBm  
 P810653

Exceptional  
**\$ VALUE \$**  
 Exceptional  
**QUALITY!**



**HDS**  
 High Definition Series

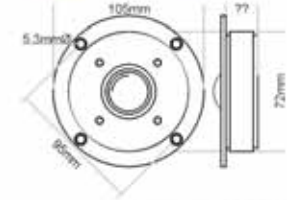
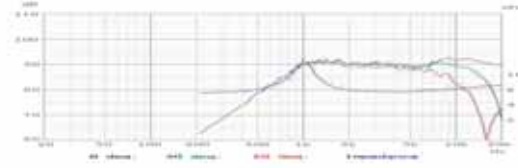


Physical measurements taken from actual stock. Please allow for measurement tolerances. It is recommended that you acquire actual stock before drilling any holes.

## TWEETER 1"/105mmØ METAL FACE PLATE

High-end dome tweeter with exposed fabric dome designed to give maximum dispersion and openness in the sound. It has an aluminium flange which gives maximum stiffness. This is a tweeter with a smooth and clean sound and we recommend this unit for use in any demanding hi-fi system where shielding is not required. Excellent power handling and specifications.

- P/No. 105 DT 26 72 SF 8 ohm (DT105H)  
 Pwr 130Wrms (3K-20KHz)  
 Coil 26mmØ  
 Mag 72mmØ  
 Zmin 7.2Ω (4K1Hz)  
 Zo 31.0Ω (max)  
 Re 6.8Ω (dc)  
 Le 0.1mH  
 Fs 1010Hz  
 Sd 6.2cm<sup>2</sup>  
 Sens' 90.5dBm  
 P812687

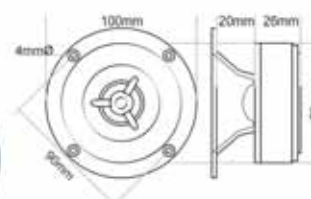
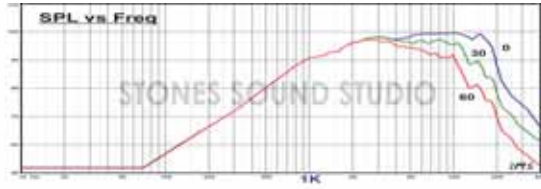


Physical measurements taken from actual stock. Please allow for measurement tolerances. It is recommended that you acquire actual stock before drilling any holes.

## TWEETER 1"/100mmØ HORN LOADED

Gaining a resurgence in popularity. Inserted into range as requested. The horn loaded tweeter offers increased sensitivity for high efficiency, high output designs. Same 1" soft dome tweeter as the other high end Peerless tweeters, but with a horn baffle directing the sound forward giving about +6dB 15° on-axis. Also achieves linear-phase design with its 20mm countersinking (shares the sound origin of the woofer).

- P/No. 100 HDT 26 72 SF  
 Pwr 100Wmax (3K-20KHz)  
 Coil 26mmØ  
 Mag 72mmØ  
 Zo 8Ω (6.8Ωdc)  
 Fs 1040Hz  
 Sens' 99.5dBm !!!  
 P811647

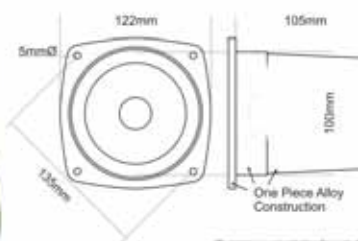
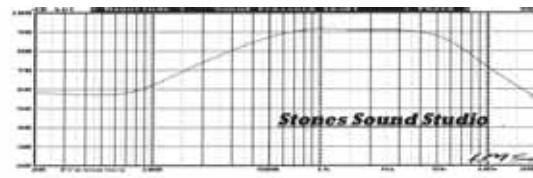


Physical measurements taken from actual stock. Please allow for measurement tolerances. It is recommended that you acquire actual stock before drilling any holes.

## MIDRANGE SEALED-BACK 4"

Fully enclosed, one piece integrated metal housing for shielding and simpler installation with exceptionally beautiful sound reproduction. All polypropylene cone and surround with ferrofluid 1" voice coil for very high power handling and easy filtering. This driver has remained very popular because of its practicality and excellent sound. SSS "Recommend X-Over F=750Hz & 5KHz 6dB/Octave"

- P/No. 122 M 26 72 PPB FF  
 Pwr 180Wmax (100Hz-5KHz)  
 Coil 26mmØ  
 Mag 72mmØ  
 Zo 9.1726 (6.30Ωdc)  
 Fs 641.9856Hz  
 Sens' 91.5dBm  
 Qms 1.07  
 Qes 2.16  
 Qts 0.72  
 P821615



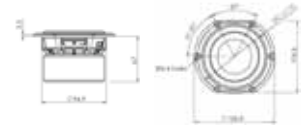
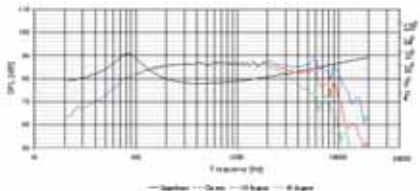
Physical measurements taken from actual stock. Please allow for measurement tolerances. It is recommended that you acquire actual stock before drilling any holes.



## MIDRANGE OPEN-BACK 4" HDS-NOMEX SHIELDED

Extra small HDS driver optimised for mid-range in multi-way designs. Peerless High Definition Sound Series pushes the performance limits producing impressive sound quality sustainable at very high volumes. Nomex fibre paper pulp. Rubber surround. Inverted Nomex dust cap. Rigid aerodynamic aluminium cast basket with open aluminium voice coil. Beautifully attractive and sounding driver to compliment the HDS range.

P/No. 106 WR 26 72 NWP AL TV 8 OHM  
 Pwr 100Wmax (200Hz-5KHz)  
 Coil 26mmØ  
 Zo 29.7 (5.60Ωdc)  
 Fs 85.1Hz  
 Sens' 87.1dBm  
 Qms 2.19  
 Qes 0.51  
 Qts 0.42  
 VAS 2.3L  
 P830872

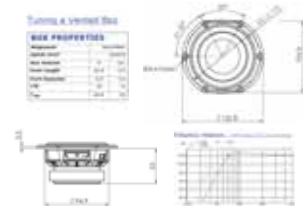
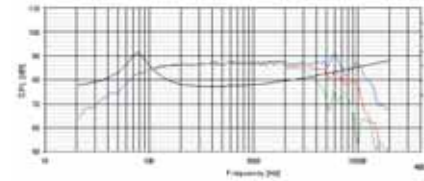


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx.  $\pm 3\%$ ) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-l.com.au](http://www.d-s-l.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER/MID 4" HDS-POLY

A new, extremely versatile driver offering incredible performance for super compact size! Bass down to 60Hz in only a 5 litre cabinet. Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling.

P/No. 106 WR 26 81 PPB AL 8 OHM  
 Pwr 80Wmax (20Hz-7KHz)  
 Coil 26mmØ  
 Mag 72mmØ  
 Zo 30.8Ω (5.2Ωdc)  
 Fs 77.6Hz  
 Sens' 87.0dB  
 Qms 3.19  
 Qes 0.65  
 Qts 0.54  
 Vas 3.0L  
 P830870

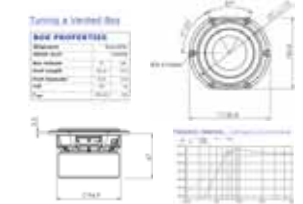
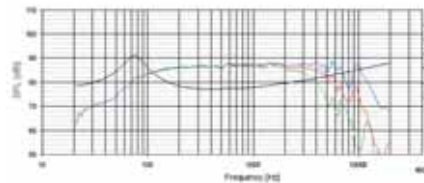


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx.  $\pm 3\%$ ) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-l.com.au](http://www.d-s-l.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER/MID 4" HDS-POLY SHIELDED

Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling. Suitable for close to TV Monitor applications like computer audio and home theatre. Fantastic performance in a very compact package.

P/No. 106 WR 26 72 PPB AL TV 8 OHM  
 Pwr 80Wmax (20Hz-7KHz)  
 Coil 26mmØ  
 Mag 72+72mmØ  
 Zo 30.3Ω (5.3Ωdc)  
 Fs 75.7Hz  
 Sens' 868.8dB  
 Qms 2.66  
 Qes 0.56  
 Qts 0.46  
 Vas 3.2L  
 P830854

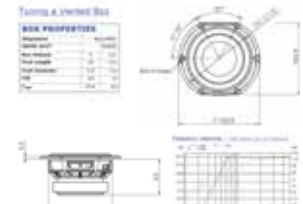
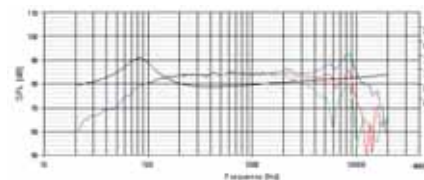


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx.  $\pm 3\%$ ) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-l.com.au](http://www.d-s-l.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER/MID 4" HDS EXCLUSIVE SERIES PHASE PLUG

Silver Phase Plug for maximizing this units excellent performance. Modern coloured, Silver, rigid, aerodynamic cast-aluminium basket. Nomex fibre paper pulp cone. Rubber surround. Double bonded former. Open aluminium voice coil. Highest power with minimum compression.

P/No. 106 WR 26 81 NWP AL CU PH 8 OHM  
 Pwr 100Wmax (20Hz-7KHz)  
 Coil 26mmØ  
 Mag 81mmØ 310g  
 Zo 30.6Ω (6.8Ω 376Hz)  
 Le 1mH  
 Fs 81.2Hz  
 Sens' 84.0dB  
 Qms 2.31  
 Qes 0.55  
 Qts 0.45  
 Vas 2.0L  
 P830881

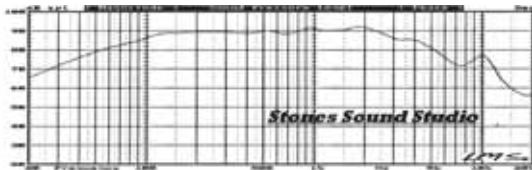
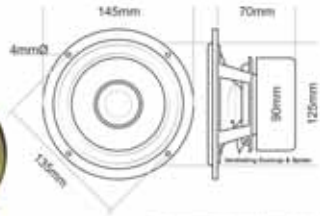


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx.  $\pm 3\%$ ) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-l.com.au](http://www.d-s-l.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER/MID 5" PPD-STEEL SHIELDED

An excellent solution and economical for home theatre applications. Shielded and highly recommended for center enclosures due to exceptional speech reproduction. Advanced PPB polypropylene cone, rubber surround, rigid steel basket, aluminium ventilated voice coil, ventilated dust cap all contribute to an excellent performer for its size and price.

P/No. 145 WR 26 72 PPB TV  
 Pwr 100Wmax (20Hz-5KHz)  
 Coil 26mmØ  
 Mag 72mmØ  
 Zo 34.1904Ω (6.31Ωdc)  
 Fs 70.5175Hz  
 Sens' 89.51dB  
 Qms 2.0802  
 Qes 0.4708  
 Qts 0.3839  
 Vas 7.7984L  
 P831974

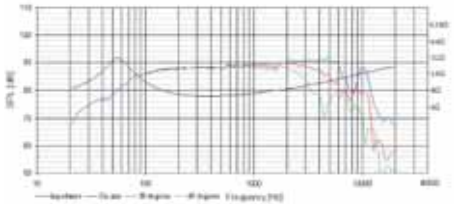
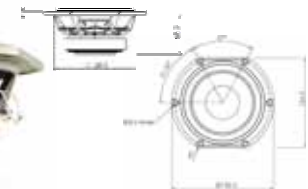


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 1%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.pcelectronics.de](http://www.pcelectronics.de) for more data.

## WOOFER/MID 5" HDS-POLY

Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling. A durable robust performer for premium audio applications in single or multi-driver setups. 7L Bass-reflex cabinet gives 65Hz.

P/No. 134 WR 26 90 PPB AL 8 OHM  
 Pwr 110Wmax (20Hz-7KHz)  
 Coil 26mmØ  
 Mag 90mmØ  
 Zo 33.2Ω (5.7Ωdc)  
 Fs 56.1Hz  
 Sens' 88.3dB  
 Qms 2.41  
 Qes 0.50  
 Qts 0.41  
 Vas 10.6L  
 P830860

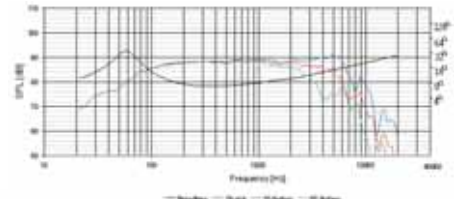
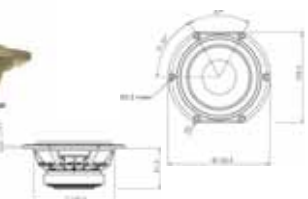


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx. ± 1%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.pcelectronics.de](http://www.pcelectronics.de) for more data.

## WOOFER/MID 5" HDS-NOMEX

Compact HDS driver optimised for small cabinet, single or multi-driver. Peerless High Definition Sound Series pushes the performance limits producing impressive sound quality sustainable at very high volumes. Nomex fibre paper pulp. Rubber surround. Inverted Nomex dust cap. Rigid aerodynamic aluminium cast basket with open aluminium voice coil. Goes down to 60Hz in only a 7 Litre cabinet tuned for a flat response.

P/No. 134 WR 26 90 NWP AL 8 OHM  
 Pwr 80Wmax (20Hz-5KHz)  
 Coil 26mmØ  
 Zo 37.3 (6.0Ωdc)  
 Fs 58.6Hz  
 Sens' 88.3dBm  
 Qms 2.39  
 Qes 0.46  
 Qts 0.38  
 VAS 8.7L  
 P830873

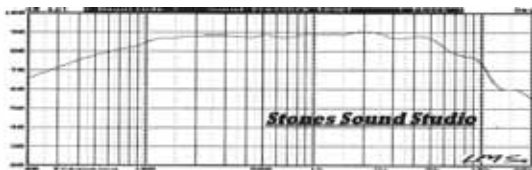
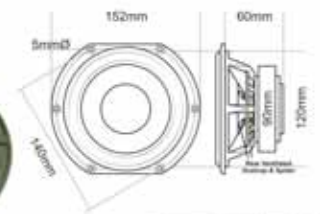


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx. ± 1%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.pcelectronics.de](http://www.pcelectronics.de) for more data.

## WOOFER/MID 5" HDS-SANDWICH

A truly high end mid-woofer with a rigid aerodynamic cast aluminium basket and ventilated spider. All aspects of this drivers design and manufacture achieves the lowest possible compression, maximum exertion of the cone and ventilation, etc. for higher power, high SPL, excellent dynamics and efficiency at any volume. Very low harmonic and difference tone distortion

P/No. 134 WR 26 90 SD AL  
 Pwr 110Wmax (20Hz-5KHz)  
 Coil 26mmØ  
 Mag 90mmØ  
 Zo 39.6057Ω (5.54Ωdc)  
 Fs 58.0053Hz  
 Sens' 88.11dB  
 Qms 2.1670  
 Qes 0.3524  
 Qts 0.3031  
 Vas 7.5914L  
 P850488



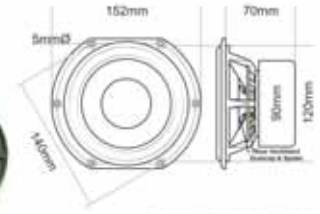
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 1%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.pcelectronics.de](http://www.pcelectronics.de) for more data.



## WOOFER/MID 5" HDS-SANDWICH SHIELDED

Premium audiophile grade driver shielded for near TV applications. Suitable for a wide range of situations including center or small bookshelf boxes as well as multiple alignment floor standing systems. The five layer sandwich cone improves accuracy and consistency of sound reproduction over the entire frequency range creating a more musical sound

P/No. 134 WR 26 81 SD AL TV  
 Pwr 110Wmax (20Hz-5KHz)  
 Coil 26mmØ  
 Mag 81mmØ  
 Zo 31.9631Ω (5.64Ωdc)  
 Fs 55.4487Hz  
 Sens' 86.82dB  
 Qms 2.1117  
 Qes 0.4525  
 Qts 0.3726  
 Vas 8.3076L  
 P850528



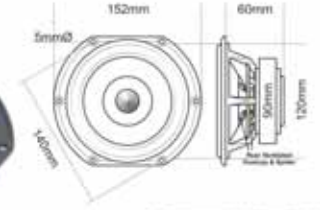
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ±1%) It is recommended that you acquire actual stock before drilling any holes. See www.ds.com.au or www.peerless.dk for more data.



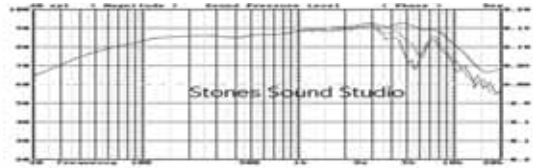
## WOOFER/MID 5" HDS-SANDWICH PHASE PLUG

Phase Plug model for maximizing this units excellent performance. Five layer sandwich cone. Aerodynamic Cast-Aluminium basket. Double bonded cone to voice coil. Open 26mm aluminium voice coil. Highest power with minimum compression.

P/No. 134 WR 26 90 SD CU PH 8Ω  
 Pwr 110Wmax (20Hz-5KHz)  
 Coil 26mmØ  
 Mag 90mmØ 400g  
 Zo 42.9Ω (5.8Ω 335Hz)  
 Le 1mH  
 Fs 53.2Hz  
 Sens' 87.9dB  
 Qms 2.83  
 Qes 0.44  
 Qts 0.38  
 Vas 8.8L  
 P850489



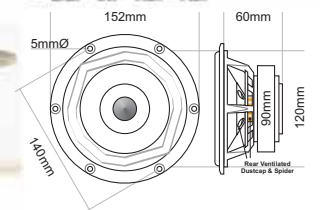
Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ±1%) It is recommended that you acquire actual stock before drilling any holes. See www.ds.com.au or www.peerless.dk for more data.



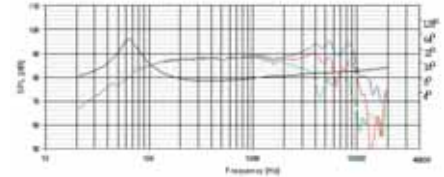
## WOOFER/MID 5" HDS EXCLUSIVE SERIES PHASE PLUG

Modern silver coloured Phase Plug and cast-aluminium basket. Nomex fibre paper pulp cone. Rubber surround. Double bonded former. Open aluminium voice coil. Highest power with minimum compression. Optimised for compact Bass-reflex designs. 6 litre box gives 70Hz.

P/No. 152 WR26 90 NWP AL CU PH 8 OHM  
 Pwr 150Wmax (20Hz-7KHz)  
 Coil 26mmØ  
 Mag 90mmØ 400g  
 Zo 58.3Ω (6.7Ω 410Hz)  
 Le 1mH  
 Fs 64.5Hz  
 Sens' 88.2dB  
 Qms 3.85  
 Qes 0.43  
 Qts 0.39  
 Vas 7.2L  
 P830882



Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx. ±1%) It is recommended that you acquire actual stock before drilling any holes. See www.ds.com.au or www.peerless.dk for more data.



## PEERLESS NEW "EXCLUSIVE SERIES"

New from Peerless Denmark. Similar to the HDS Range but new in looks and sizes. Developed for the European market with multi-driver designs in blond veneers.

Modern silver coloured frame  
 Revised cone materials  
 Phase Plug for high power and excellent sonics.  
 Cast-aluminium basket.  
 Nomex fibre paper pulp cone.  
 Long throw rubber surround.  
 Double bonded former.  
 Open aluminium voice coil.

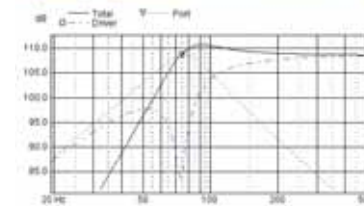
Highest power with minimum compression.



### Tuning a Vented Box

BOX PROPERTIES	
Alignment	Bassreflex
DRIVE UNIT	858882
Box Volume	6.0 Lit
Port Length	13.0 Cm
Port Diameter	5.0 Cm
Fill	10 %
f <sub>box</sub>	72 Hz

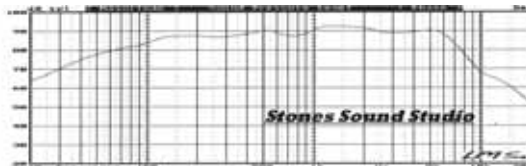
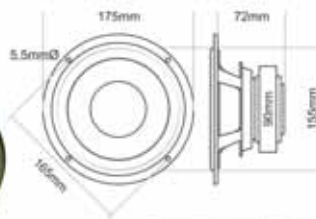
### Frequency response: Half Space (2m) 1m distance



## WOOFER/MID 6½" POLY-NYLON

Unique austere polypropylene one piece cone with rubber roll surround. An excellent general purpose mid-woofer with modern inverted dust cap. Designed for 2 or 3 way bass reflex enclosures. Steel basket. Large diameter aluminium voice coil for high long term power. An efficient smooth performer at a cost effective price.

P/No. 176 WR 26 90 CD  
 Pwr 150Wrms (20Hz-5KHz)  
 Coil 26mmØ  
 Mag ½Kg (1.2T) 90mmØ  
 Zo 32.2734Ω (6.25Ωdc)  
 Fs 53.0048Hz  
 Sens' 88.4803dBm  
 Qms 2.3952  
 Qes 0.5753  
 Qts 0.4639  
 Vas 17.6891L  
 P831916

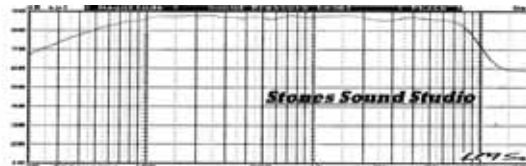
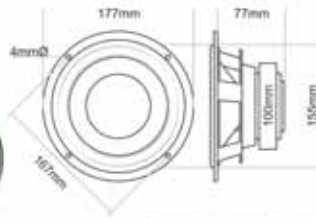


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 1% to 5%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER/MID 6½" CSX SANDWICH CONE

A high end mid-woofer with a rigid pressed steel-alloy basket, multi-layered sandwich cone with inverted dust cap and high compliance rubber surround. Heavy duty construction with large ventilated high power aluminium voice coil, huge high density magnet with a very low distortion flux field design. Suitable for top of the line box applications.

P/No. 176 WR 33 102 SD AL  
 Pwr 150Wrms (20Hz-5KHz)  
 Coil 33mmØ  
 Mag ½Kg (1.2T) 102mmØ  
 Zo 39.5449Ω (6.12Ωdc)  
 Fs 47.0016Hz  
 Sens' 88.6698dBm  
 Qms 2.3595  
 Qes 0.4320  
 Qts 0.3652  
 Vas 19.9026L  
 P850122

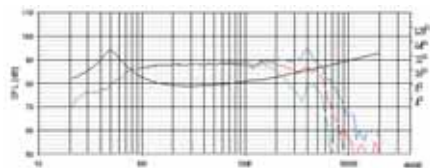
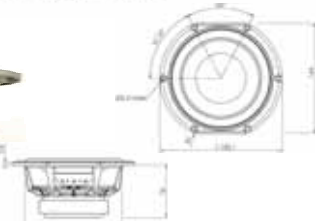


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 1% to 5%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER/MID 6½" HDS-POLY

Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling. Premium audio driver for excellence in performance by Peerless. Single or multi-driver setups. 16L Bass-reflex cabinet gives 45Hz.

P/No. 164 WR 33 102 PPB AL LS 8 OHM  
 Pwr 150Wmax (20Hz-5KHz)  
 Coil 33mmØ  
 Mag 102mmØ  
 Zo 43Ω (6.4Ωdc)  
 Fs 47.3Hz  
 Sens' 87.8dB  
 Qms 2.73  
 Qes 0.47  
 Qts 0.40  
 Vas 16.7L  
 P830874

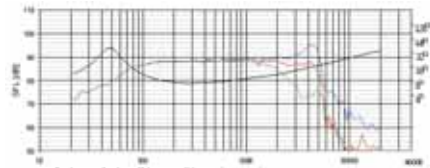
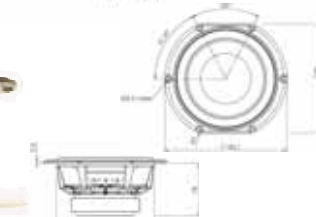


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx. ± 1% to 5%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER/MID 6½" HDS-NOMEX

Premium HDS driver optimised for small cabinet, single or multi-driver. Peerless High Definition Sound Series pushes the performance limits producing impressive sound quality sustainable at very high volumes. Nomex fibre paper pulp. Rubber surround. Inverted Nomex dust cap. Rigid aerodynamic aluminium cast basket with open aluminium voice coil. Beautifully smooth in performance down to below 50Hz in a 15L cabinet.

P/No. 164 WR 33 102 NWP AL LS 8 OHM  
 Pwr 150Wmax (20Hz-3KHz)  
 Coil 33mmØ  
 Zo 44.0 (6.4Ωdc)  
 Fs 48.1Hz  
 Sens' 88.6dBm  
 Qms 2.67  
 Qes 0.45  
 Qts 0.39  
 VAS 17.6L  
 P830875



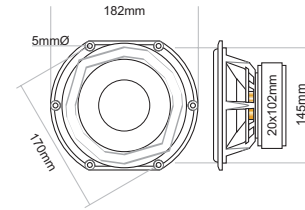
Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx. ± 1% to 5%) It is recommended that you acquire actual stock before drilling any holes! See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.



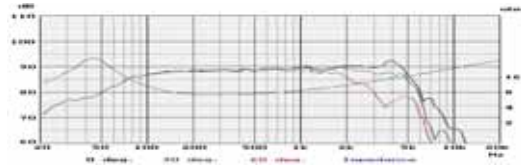
## WOOFER/MID 6½" HDS-SANDWICH

A high end mid-woofer with a rigid aerodynamic cast aluminium basket and ventilated spider. All aspects of this drivers design and manufacture achieves the lowest possible compression, maximum exertion of the cone and ventilation, etc. for higher power, high SPL, excellent dynamics and efficiency at any volume. Five layer sandwich cone. Very "Musical" driver.

P/No. 164 WR 33 102 SD AL LS 8  
 Pwr 150Wmax (20Hz-5KHz)  
 Coil 33mmØ  
 Mag 102mmØ  
 Zo 40.2Ω (6.2Ωdc)  
 Fs 44.9Hz  
 Sens' 87.6dB  
 Qms 2.28  
 Qes 0.42  
 Qts 0.35  
 Vas 18.7L  
 P850439



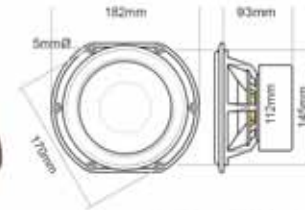
Physical measurements taken from actual stock  
 Please allow for measurement tolerances. (Approx. ± 1%)  
 It is recommended that you acquire actual stock before drilling any holes.  
 See [www.wescomponents.com/peerless](http://www.wescomponents.com/peerless) or [www.peerless.dk](http://www.peerless.dk) for more data.



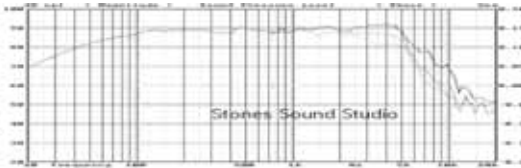
## WOOFER/MID 6½" HDS-SANDWICH SHIELDED

Magnetically shielded for near TV applications. Excellent DVD solution. Suitable for a wide range of situations including center or main boxes. The five layer sandwich cone improves accuracy and consistency of sound reproduction over the entire frequency range creating a more musical sound. A high SPL driver for filling a large room with effortless dynamics.

P/No. 164 WR 33 90 SD AL TV 8ohm  
 Pwr 150Wmax (20Hz-5KHz)  
 Coil 33mmØ  
 Mag 90mmØ  
 Zo 34.4Ω (6.3Ωdc)  
 Fs 50.0Hz  
 Sens' 87.8dB  
 Qms 2.30  
 Qes 0.51  
 Qts 0.42  
 Vas 15.7L  
 P850594



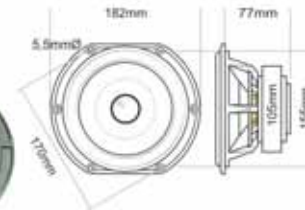
Physical measurements taken from actual stock  
 Please allow for measurement tolerances. (Approx. ± 1%)  
 It is recommended that you acquire actual stock before drilling any holes.  
 See [www.wescomponents.com/peerless](http://www.wescomponents.com/peerless) or [www.peerless.dk](http://www.peerless.dk) for more data.



## WOOFER/MID 6½" HDS-SANDWICH PHASE PLUG

Static phase plug eliminates dust cap compression and assists heat sinking. Over sized rubber surround and ventilated spider, 33mm aluminium coil, sandwich composite cone, cast alloy open style basket, gold terminals. This mid-woofer uses an abundance of Peerless resources including years of experience and refined technology to produce an exceptional driver.

P/No. 182 WR 33 102 SD AL PH LS  
 Pwr 150Wrms (20Hz-5KHz)  
 Coil 33mmØ  
 Mag 0.68Kg (1.2T) 102mmØ  
 Zo 35.7723Ω (5.60Ωdc)  
 Fs 45.4354Hz  
 Sens' 87.9426dBm  
 Qms 2.4298  
 Qes 0.4510  
 Qts 0.3804  
 Vas 16.0577L  
 P850467



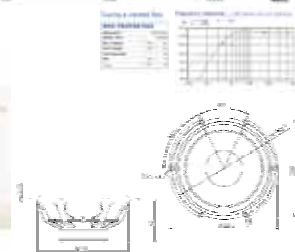
Physical measurements taken from actual stock  
 Please allow for measurement tolerances. (Approx. ± 1%)  
 It is recommended that you acquire actual stock before drilling any holes.  
 See [www.wescomponents.com/peerless](http://www.wescomponents.com/peerless) or [www.peerless.dk](http://www.peerless.dk) for more data.



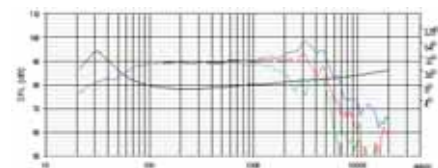
## WOOFER/MID 6½" HDS EXCLUSIVE SERIES PHASE PLUG

Modern, unique style and size. Silver coloured Phase Plug and basket. Black Nomex fibre paper pulp cone, rubber surround & double bonded former. High power open ventilated aluminium voice coil. Premium audiophile unit. Optimised for compact Bass-reflex designs. 15 litre box gives 45Hz.

P/No. 180 WR 33 102 NWP AL CU PH LS 8 OHM  
 Pwr 160Wmax (20Hz-7KHz)  
 Coil 33mmØ  
 Mag 102mmØ 400g  
 Zo 38.1Ω (6.7Ω 274Hz)  
 Le 1.3mH  
 Fs 52.3Hz  
 Sens' 87.5dB  
 Qms 2.79  
 Qes 0.50  
 Qts 0.43  
 Vas 13.0L  
 P830883



Physical measurements as supplied from manufacturer.  
 Please allow for measurement tolerances. (Approx. ± 1%)  
 It is recommended that you acquire actual stock before drilling any holes.  
 See [www.d-s-l.com.au](http://www.d-s-l.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

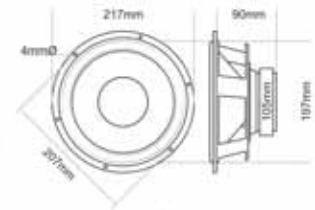




## WOOFER 8" CSX-SANDWICH

High end woofer with a large four layer voice coil and heavy magnet. Inverted dust cap, multi-layer sandwich cone, rubber roll surround. Well suited for reflex designs where this driver excels in producing a deep dry bass. The excellent midrange response makes this unit very easy to set up and filter, infact it can even be used in a 2 way system.

P/No. 217 WR 33 102 SD 4L  
 Pwr 150Wrms (20Hz-5KHz)  
 Coil 33mmØ  
 Mag 102mmØ  
 Zo 86.3275Ω (5.91Ωdc)  
 Fs 33.2682Hz  
 Sens' 92.5024dBm  
 Qms 3.571  
 Qes 0.2247  
 Qts 0.2093  
 Vas 70.5425L  
 P850136

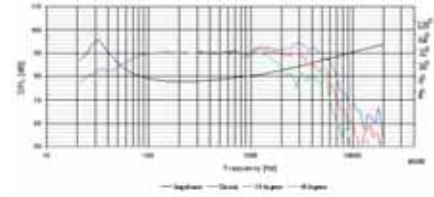
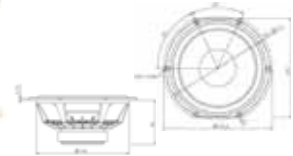


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx.  $\pm 1\%$ ) It is recommended that you acquire actual stock before drilling any holes. See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER 8" HDS-POLY

Peerless High Definition Sound Polypropylene cone, rubber surround, aluminium ventilated, aerodynamic and extremely rigid frame with an open voice coil for low compression and high power handling. Optimised for a flat response in a tuned ported box of only 2Ft<sup>3</sup> Outputs 110dB of clean smooth bass down to -3dB at only 30Hz!

P/No. 205 WR 33 102 PPM AL 4L LS 8 OHM  
 Pwr 150Wmax (20Hz-7KHz)  
 Coil 33mmØ  
 Mag 102mmØ  
 Zo 57.2Ω (5.5Ωdc)  
 Fs 32.5Hz  
 Sens' 90.1dB  
 Qms 4.09  
 Qes 0.44  
 Qts 0.40  
 Vas 63.4L  
 P830868

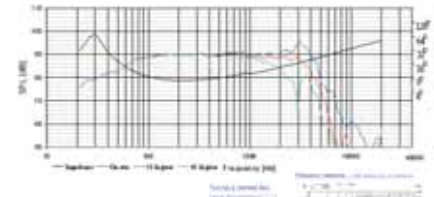
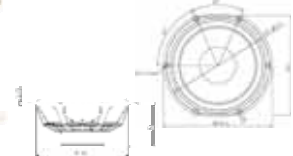


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx.  $\pm 1\%$ ) It is recommended that you acquire actual stock before drilling any holes. See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER 8" HDS-NOMEX

Excellence in powerful articulate sound for larger floor standing units. Peerless High Definition Sound Series pushes the performance limits producing impressive sound quality sustainable at very high volumes. Nomex fibre paper pulp. Rubber surround. Inverted Nomex dust cap. Rigid aerodynamic aluminium cast basket with open aluminium voice coil. Flat response 1Ft<sup>3</sup> box 45Hz. With some tuning, 2½Ft<sup>3</sup> box gives 33Hz!

P/No. 205 WR 33 102 NWP AL 4L LS 8 OHM  
 Pwr 150Wmax (20Hz-3KHz)  
 Coil 33mmØ  
 Zo 81.5 (6.0Ωdc)  
 Fs 29.5Hz  
 Sens' 90.0dBm  
 Qms 3.94  
 Qes 0.31  
 Qts 0.29  
 VAS 76.1L  
 P830869

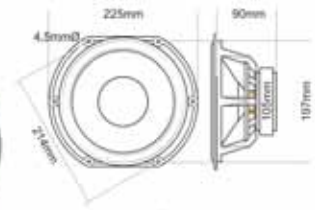


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx.  $\pm 1\%$ ) It is recommended that you acquire actual stock before drilling any holes. See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER 8" HDS-SANDWICH

Same high end features as the 850136 with the addition of a cast alloy aluminium basket to improve rigidity and power handling, etc. The design of the Peerless basket front allows for very slim box design and close stacking of drivers if desired. Sandwich cone technology with high exertion surround and spider gives low harmonics and distortion.

P/No. 205 WR 33 102 SD 4L AL  
 Pwr 150Wrms (20Hz-5KHz)  
 Coil 33mmØ  
 Mag 0.8Kg (1T) 102mmØ  
 Zo 63.6592Ω (5.74Ωdc)  
 Fs 30.8605Hz  
 Sens' 90.5dBm  
 Qms 2.8578  
 Qes 0.2832  
 Qts 0.2577  
 Vas 70.9869L  
 P850490

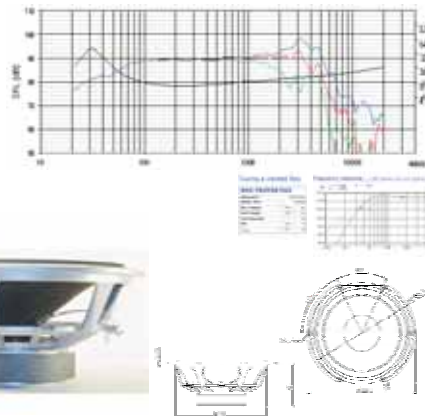


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx.  $\pm 1\%$ ) It is recommended that you acquire actual stock before drilling any holes. See [www.d-s-t.com.au](http://www.d-s-t.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## WOOFER 8" HDS EXCLUSIVE SERIES *PHASE PLUG*

Modern silver coloured Phase Plug and cast-aluminium aerodynamic basket. Nomex fibre paper pulp cone. Rubber surround. High performance driver. Optimised for maximising bass performance in small ported enclosures. A mere 1Ft<sup>3</sup> (28L) ported gives a flat frequency response down to 45Hz.

P/No. 205 WR 102 NWP AL CU PH LS 8 OHM  
 Pwr 200Wmax (20Hz-3KHz)  
 Coil 33mmØ  
 Mag 102mmØ 680g  
 Zo 45.7Ω (6.5Ω 224Hz)  
 Le 1.4mH  
 Fs 32.4Hz  
 Sens' 89.3dB  
 Qms 3.00  
 Qes 0.44  
 Qts 0.38  
 Vas 68.8L  
 P830884

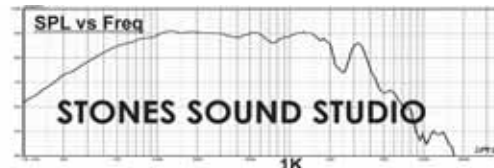
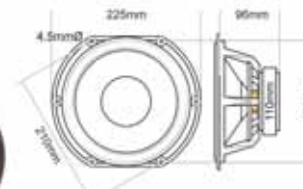


Physical measurements as supplied from manufacturer. Please allow for measurement tolerances. (Approx. ± 3%) It is recommended that you acquire actual stock before drilling any holes. See [www.d-s-l.com.au](http://www.d-s-l.com.au) or [www.peerless.dk](http://www.peerless.dk) for more data.

## SUBWOOFER 8" XTRA-LONG-STROKE 8Ω

New from Peerless to suit compact unobtrusive subwoofer designs for home theater. Complements the HDS range of drivers in looks, sound & efficiency. Achieve deep bass in a relatively small enclosure with high power handling and very low distortion or compression even at high volume levels.

Oversized magnet. Ventilated coil. Fills medium sized rooms with warm bass  
 P/No. 205 WR 39 11 HP LS AL XLS 8/5Ω  
 Pwr 200Wrms (20Hz-5KHz)  
 Coil 33mmØ  
 Sd 23.6M<sup>2</sup>  
 Revc 5.860Ω  
 Fs 29.292Hz  
 Sens' 89.812dBm  
 Qms 2.781  
 Qes 0.345  
 Qts 0.307  
 Vas 85.378 L  
 P830491

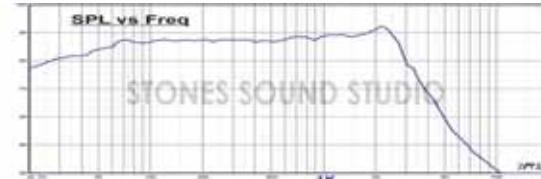
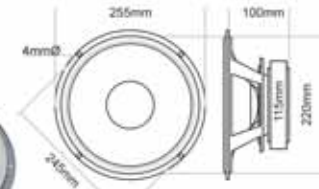


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 3%) It is recommended that you acquire actual stock before drilling any holes.

## WOOFER 10" HIGH END WOOFER CSX

Five layer sandwich cone with oversized magnet and extra long voice coil wound with large gauge copper to four layers! Special designed distortion killer short circuited ring in the magnet system. This driver gives exceptionally good linearity and very deep and clean bass. This driver is designed for home hifi 3/4 way systems but is also suitable for Subs, etc.

P/No. 257 SWR 39 115 SDX 4LAL 8Ω  
 Pwr 200Wrms  
 Coil 39mmØ  
 Mag 0.9Kg (0.85T) 115mmØ  
 Zo 40.3Ω (6.2Ω@130Hz)  
 Fs 22.6Hz  
 Sens' 88.2dBm  
 Qms 2.56  
 Qes 0.40  
 Qts 0.35  
 Vas 144.4L  
 P850146

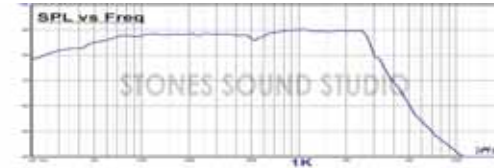
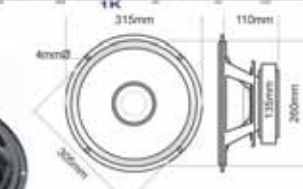


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 3%) It is recommended that you acquire actual stock before drilling any holes.

## WOOFER 12" HIGH END WOOFER POLYPROPYLENE

A well damped polypropylene cone with low resonance rubber roll surround. Ventilated dust cap, large diameter 4 layer, aluminium voice coil for high power. Oversized magnet and heavy duty voice coil for a clean, fast and dry bass performance at even high volume levels. Highly recommended for surround sound systems with THX performance or high end 3/4 way systems.

P/No. 315 SWR 39 134 PPX AL 4L 8Ω  
 Pwr 220Wrms  
 Coil 45mmØ  
 Mag 1.3Kg (1T) 135mmØ  
 Zo 47Ω (5.5Ω@120Hz)  
 Fs 22.9Hz  
 Sens' 89.3dBm  
 Qms 3.90  
 Qes 0.52  
 Qts 0.46  
 Vas 210.0L  
 P831857



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Approx. ± 3%) It is recommended that you acquire actual stock before drilling any holes.



## 10" XLS & XXLS SUBWOOFERS

**A new class of subwoofers from Peerless.**  
By introducing the new range of Xpanded Xtra Long Stroke (XXLS) subwoofers, Peerless has pushed the performance limits for subwoofers. The XXLS/subwoofer range will fulfill every demand for deep clean bass reproduction like active THX home theatre and Dolby Digital subwoofer applications. In the design the emphasis has been put in achieving extreme deep bass, long time reliability, high power handling, and very low distortion - also under very large sound pressures.

### A. Aluminum Spacer

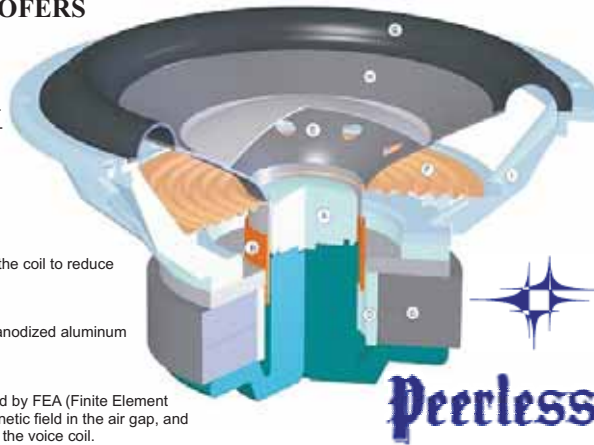
The aluminum spacer serves as heat sink for the coil to reduce power compression.

### B. Black Anodized Voice Coil

The 2-inch voice coil is wound on thick black anodized aluminum for improved heat dissipation.

### C. Stacked Magnet System

The twin stacked magnetic system is optimized by FEA (Finite Element Analysis), to create a symmetric powerful magnetic field in the air gap, and provide space for the 50 mm max excursion of the voice coil.



## XLS & XXLS

### D. Distortion Reduced Motor

A long multi layer voice coil normally results in high self induction and impedance varying with excursion. Its many ampere turns react on the magnetic field in the air gap. These two main factors causing motor distortion in subwoofers are practically eliminated by the combined impact of the Aluminum Short Circuiting Ring (D) and the Aluminum Spacer (A) on the pole piece. At the same time they both contribute as heat sinks for the voice coil, reducing power compression. The result is unbelievable clean bass reproduction.

### E. Vented Cone

To eliminate compression under the dust cap the cone is vented by 8 large holes. This way the coil is cooled and there is no need for a bore in the pole piece.

### F. Nomex Spider

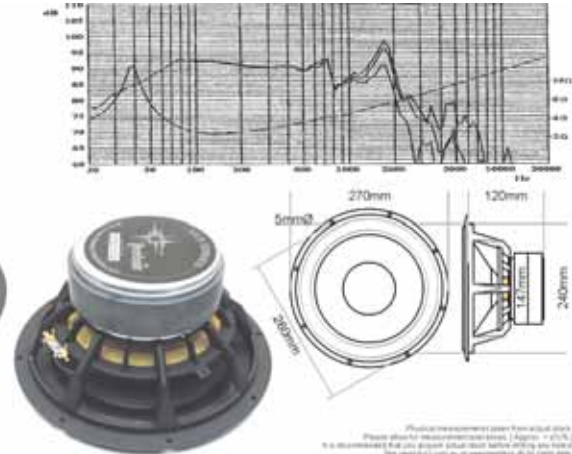
The spider is made of high tech Nomex material. This material is chosen for its high rigidity and long term stability. The suspension will stay in shape for a very long time under heavy load.

## 10" XTRA-LONG-STROKE 4Ω (2½Ω)

Design principals & the latest materials in the XLS range have achieved a new generation of low-frequency transducer. This range of subwoofers will pound the competition in both low frequency muscle and accuracy. A low Vas means a small box. For car applications this can be very small.

Double magnet. Cast Al frame. Ventilated coil. Suit sealed/vented/passive.

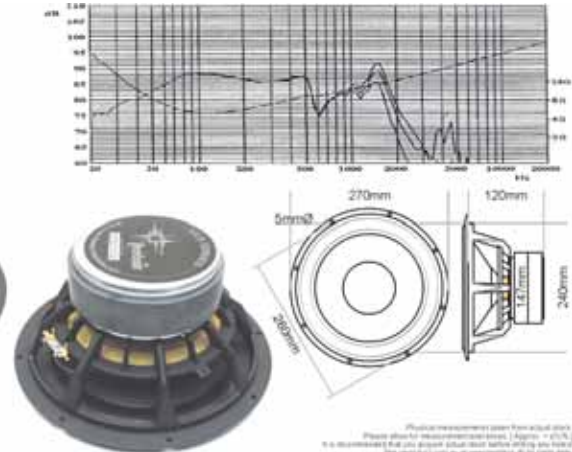
P/No.	269 SWR 51 147 NX 4L ALP 4Ω
Pwr	300Wrms
Coil	51mmØ
Mag	2.4Kg (1.04T) 147mmØ
Revc	2.4Ω (@133Hz)
Fs	39.4Hz
Sens'	92.2dBm
Qms	6.37
Qes	0.42
Qts	0.39
Vas	21.4L
	P830514



## 10" XTRA-LONG-STROKE 8Ω (5Ω)

This is a new range from Peerless to suit the unlimited demands of bass hungry enthusiasts in home or automotive audio. Emphasis has been placed in design to achieve extremely deep bass, long time reliability, high power handling and very low distortion or compression under very large sound pressures. Suitable for sealed or vented box or passive radiator.

P/No.	269 SWR 51 147 NX ALP 4L XLS 8/5Ω
Pwr	300Wrms
Coil	51mmØ
Mag	2.4Kg (1.04T) 147mmØ
Zo	53.3Ω (4.9Ω@115Hz)
Fs	18.9Hz
Sens'	88.4dBm
Qms	2.63
Qes	0.18
Qts	0.17
Vas	80.2L
	P830452



## PASSIVE RADIATOR 10" XTRA-LONG-STROKE

Identical speaker to the 10" XLS drivers (left) but without a magnet and the voice coil has been replaced with a weight. You can fine tune this mass by adding weight to the M5 threaded hole enabling excellent control over the final design. Passive radiators replace the port by adding a mass equivalent to the volume of air in a 10" tube. This eliminates air velocity noises and enables very low tuning F without ridiculously long or narrow port dimensions. Suit small enclosures. Suit home theater/audio. [www.wescomponents.com/peerless](http://www.wescomponents.com/peerless) for data sheets and box sizes suggestions.

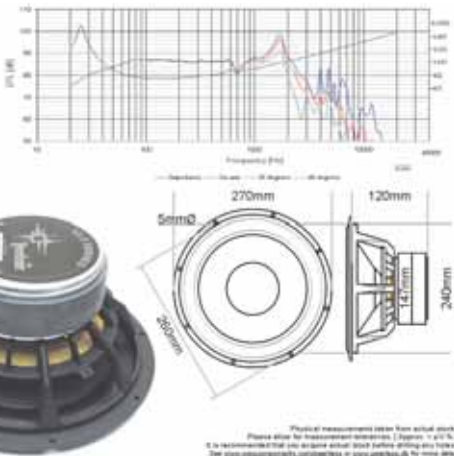
Fs	11.2Hz
Qms	14
Vas	80L
Cms	0.508mm/N
Rms	2Kg/s
Mms	400g
Sd	333cm <sup>2</sup>
Xmax	22mm
	P830481



## 10" XPANDED-XTRA-LONG-STROKE 8Ω

Xpanded Xtra Long Stroke subwoofers push the envelope to the extreme! This 10" driver is optimised for tuning in a small sealed enclosure. This range will fulfill every demand for deep clean bass reproduction like active THX home theatre and also automotive subwoofer applications. A very good choice for high quality compact sealed for smooth roll-off.

P/No. 269 SWR 51 147 NWP ALP 4L XXLS 8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 118.5Ω (6.7Ω@133Hz)  
 Fs 25.0Hz  
 Sens' 87.2dBm  
 Qms 9.03  
 Qes 0.47  
 Qts 0.44  
 Vas 86.7L  
 P830843

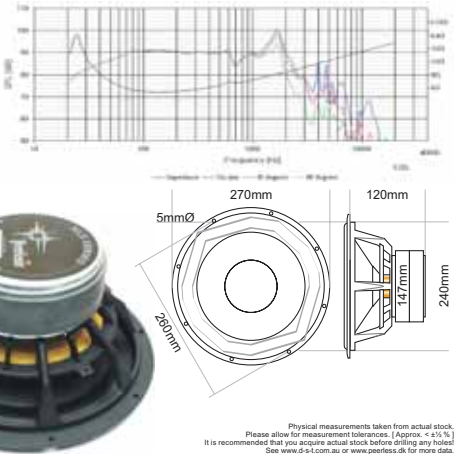


Physical measurements taken from actual stock. Please allow for measurement tolerances. (± approx. ± 0.1%) It is recommended that you acquire actual stock before drilling any holes! See [www.peerless.dk](http://www.peerless.dk) or [www.peerless.us](http://www.peerless.us) for more data.

## 10" XPANDED-XTRA-LONG-STROKE 4Ω+4Ω

Dual voice coils for excellent automotive amplifier connection flexibility with exceptional power control for multi-driver & multi-amplifier setups. Beware! This hungry driver is as low as 1.2 ohms DC wired in parrallel!

Specifications below are measured with the coils wired in parrallel.  
 P/No. 269 SWR 51 147 NX 4L ALP 4+4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 30.6Ω (1.7Ω@137Hz)  
 Fs 33.9Hz  
 Sens' 93.3dBm  
 Qms 9.63  
 Qes 0.39  
 Qts 0.38  
 Vas 25.6L  
 P830563

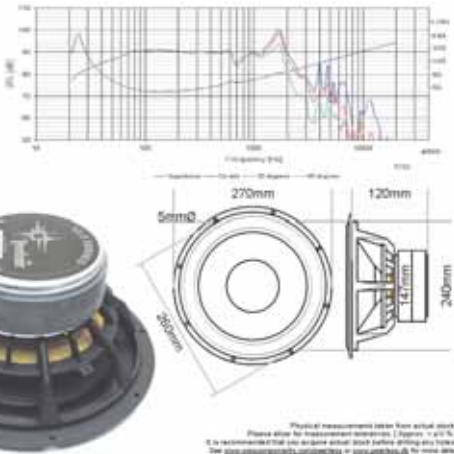


Physical measurements taken from actual stock. Please allow for measurement tolerances. (± approx. ± 0.1%) It is recommended that you acquire actual stock before drilling any holes! See [www.peerless.dk](http://www.peerless.dk) or [www.peerless.us](http://www.peerless.us) for more data.

## 10" XPANDED-XTRA-LONG-STROKE 8Ω+8Ω

Dual voice coils for connection flexibility like using one woofer in a home-stereo satellite setup. Optimised for tuning in a vented enclosure, keeping port velocities and box volumes to a minimum. A ported box of 48 litres tuned to 27Hz (450x90mmØ Port) gives 32.6Hz. Specifications below are measured with the coils wired in parrallel.

P/No. 269 SWR 51 147 NWP ALP DVC XXLS 8+8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 71.5Ω (3.1Ω@133Hz)  
 Fs 24.3Hz  
 Sens' 91.0dBm  
 Qms 9.24  
 Qes 0.34  
 Qts 0.33  
 Vas 81.8L  
 P830846

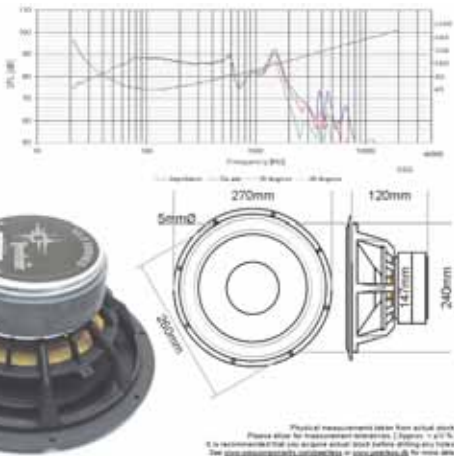


Physical measurements taken from actual stock. Please allow for measurement tolerances. (± approx. ± 0.1%) It is recommended that you acquire actual stock before drilling any holes! See [www.peerless.dk](http://www.peerless.dk) or [www.peerless.us](http://www.peerless.us) for more data.

## 10" XPANDED-XTRA-LONG-STROKE 4Ω

The new range of Xpanded Xtra Long Stroke (XXLS) subwoofers from Peerless has pushed the performance limits for subwoofers again. XXLS have unexcelled long exertion performance with very low distortion. Mechanically bullet-proof, yet highly efficient, low Fs and low Qt. Suitable for small vented boxes. Optimised for passive-radiator cabinets.

P/No. 269 SWR 51 147 NWP ALP 4L XXLS 4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 122.5Ω (3.9Ω@100Hz)  
 Fs 19.2Hz  
 Sens' 88.4dBm  
 Qms 8.74  
 Qes 0.19  
 Qts 0.19  
 Vas 88.4L  
 P830842



Physical measurements taken from actual stock. Please allow for measurement tolerances. (± approx. ± 0.1%) It is recommended that you acquire actual stock before drilling any holes! See [www.peerless.dk](http://www.peerless.dk) or [www.peerless.us](http://www.peerless.us) for more data.



## 12" XLS & XXL SUBWOOFERS

### A new class of subwoofers from Peerless.

By introducing the new range of Xpanded Xtra Long Stroke (XXLS) subwoofers, Peerless has pushed the performance limits for subwoofers. The XXLS/subwoofer range will fulfill every demand for deep clean bass reproduction like active THX home theatre and Dolby Digital subwoofer applications. In the design the emphasis has been put in achieving extreme deep bass, long time reliability, high power handling, and very low distortion - also under very large sound pressures.

### G. Rubber Surround

The surround is made from SBR rubber because of the wide operating temperature, low creep and long term reliability.

### H. Fiber Composite Cone

The cone is molded from a propriety air dried wood free pulp with a blend of Nomex and glass fibers bonded together by deep impregnation with polymers. The blend also contains special material in order to make the cone Waterproof.

This creates an ultra stiff and relatively light cone that will stay stable even under very large sound pressures.



## XLS & XXL

### I. Rigid Cast Aluminum Basket

The rigid cast basket with an aerodynamic profile provides the necessary sturdy base for the magnet structure and suspension and allows for the 50 mm max excursion of the cone.

The spider is ventilated to achieve the lowest possible compression and allow air to flow freely to create a cooling effect for the voice coil.

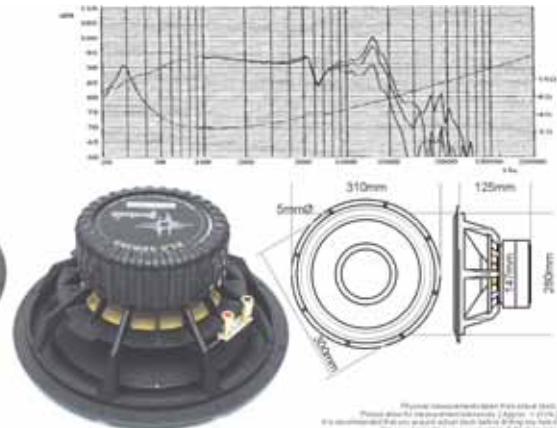


830500 XLS 12"

## 12" XTRA-LONG-STROKE 4Ω (2.2Ω!)

Ballistic performance driver tweaked for use in car audio applications giving you advantages that will annihilate the competition. Specifications are best suited for small enclosure systems with very, very high current output amplifiers (**2Ω rated amp required**). Very clean. Very smooth. Double magnet. Cast iron frame. Gold 4mm binding posts. Massive sound.

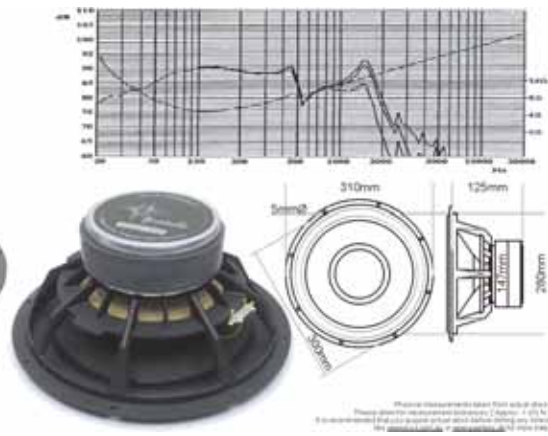
P/No.	308 SWR 51 147 NX ALP 4L XLS 4Ω
Pwr	300Wrms
Coil	51mmØ
Mag	2.4Kg (1.04T) 147mmØ
Zo	28.9Ω (2.2Ω@115Hz)
Fs	28.2Hz
Sens'	93.5dBm
Qms	4.81
Qes	0.32
Qts	0.30
Vas	80.5L
	P830515



## 12" XTRA-LONG-STROKE 8Ω (4.7Ω!)

XLS subwoofers will suit unlimited demands of bass hungry enthusiasts in home theater and audio. Emphasis has been placed in design to achieve extremely deep and accurate bass, reliability, high power handling and very low distortion & compression even under very large sound pressures. Double magnet. Cast iron frame. Gold 4mm binding posts. Home or Car.

P/No.	308 SWR 51 147 NX ALP 4L XLS 8/5Ω
Pwr	300Wrms
Coil	51mmØ
Mag	2.4Kg (1.04T) 147mmØ
Zo	64.2Ω (4.7Ω@106Hz)
Fs	18.1Hz
Sens'	90.6dBm
Qms	3.70
Qes	0.21
Qts	0.20
Vas	136.8L
	P830500



## PASSIVE RADIATOR 12" XTRA-LONG-STROKE

Identical speaker to the XLS subwoofer driver but without a magnet or voice coil. You can fine tune the mass by adding weight to the M5 threaded hole enabling excellent control over the final design. Eliminate air velocity noises and achieve very low tuning F without ridiculously long or narrow port dimensions. Best matched with 12" XLS driver for a box volume of 40 to 50L (17Hz) Note: actually too low for the car, unless you want to impress people outside the vehicle (produces 50ft wave lengths!).

Mass	425g
Fs	10.4Hz
Qms	15.2
Vas	169.6L
Cms	0.55mm/N
Rms	1.8Kg/s
Mms	425g
Sd	466cm <sup>2</sup>
Xmax	24mm
	P830548



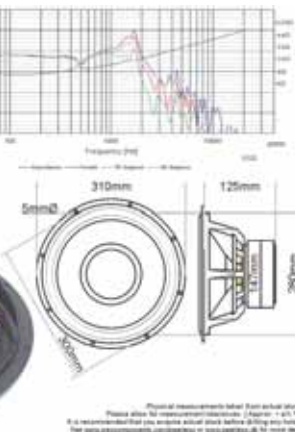
PRODUCE SUBSONIC FREQUENCIES  
REDUCE CABINET VOLUME  
ELIMINATE PORT NOISE



## 12" XPANDED-XTRA-LONG-STROKE 8Ω

Xpanded Xtra Long Stroke subwoofers push the envelope to the extreme! This 10" driver is optimised for tuning in a small sealed enclosure. This range will fulfill every demand for deep clean bass reproduction like active THX home theatre and Dolby Digital subwoofer applications. A very good choice for high quality compact sealed for smooth roll-off.

P/No. 308 SWR 51 147 NWP ALP 4L XXLS 8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 126.7Ω (6.7Ω@109Hz)  
 Fs 21.5Hz  
 Sens' 88.0dBm  
 Qms 9.68  
 Qes 0.47  
 Qts 0.45  
 Vas 162.5L  
 P830845

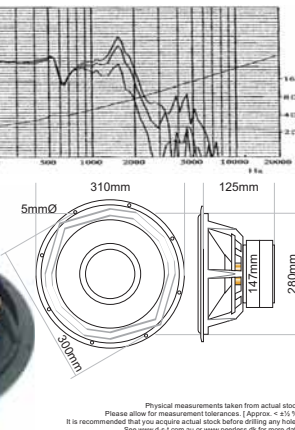


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Tolerance: ± 0.5%) It is recommended that you acquire actual stock before drilling any holes. See [www.peerless.dk](http://www.peerless.dk) for more data.

## 12" XPANDED-XTRA-LONG-STROKE 4Ω+4Ω

Dual voice coils for excellent automotive amplifier connection flexibility with exceptional power control for multi-driver & multi-amplifier setups. Beware! This hungry driver is as low as 1.2 ohms DC wired in parrallel!

Specifications below are measured with the coils wired in parrallel.  
 P/No. 308 SWR 51 147 NX ALP 4L XLS 4+4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 15.8Ω (1.5Ω@126Hz)  
 Fs 48.8Hz  
 Sens' 94.9dBm  
 Qms 8.06  
 Qes 0.66  
 Qts 0.61  
 Vas 20.4L  
 P830564

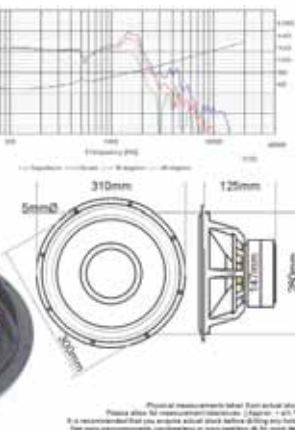


Physical measurements taken from actual stock. Please allow for measurement tolerances. (Tolerance: ± 0.5%) It is recommended that you acquire actual stock before drilling any holes. See [www.peerless.dk](http://www.peerless.dk) for more data.

## 12" XPANDED-XTRA-LONG-STROKE 8Ω+8Ω

Dual voice coils for exceptional power control & multi-driver setups. This driver has been optimised for tuning in a vented enclosure with consideration to keeping port velocities and box volumes to a minimum. A ported box of 58 litres tuned to 24Hz (480x90mmØ Port) gives 33.8Hz. Specifications below are measured with the coils wired in parrallel.

P/No. 308 SWR 51 147 NWP ALP DVC XXLS 8+8Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 72.0Ω (3.0Ω@115Hz)  
 Fs 21.8Hz  
 Sens' 92.0dBm  
 Qms 10.24  
 Qes 0.37  
 Qts 0.36  
 Vas 144.2L  
 P830847



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Tolerance: ± 0.5%) It is recommended that you acquire actual stock before drilling any holes. See [www.peerless.dk](http://www.peerless.dk) for more data.

## 12" XPANDED-XTRA-LONG-STROKE 4Ω

The new range of Xpanded Xtra Long Stroke (XXLS) subwoofers from Peerless has pushed the performance limits for subwoofers again. XXLS have unexcelled long exertion performance with very low distortion. Mechanically bullet-proof, yet highly efficient, low Fs and low Qt. Suitable for small vented boxes. Optimised for passive-radiator cabinets.

P/No. 308 SWR 51 147 NWP ALP 4L XXLS 4Ω  
 Pwr 350Wrms  
 Coil 51mmØ  
 Mag 2.4Kg (1.04T) 147mmØ  
 Zo 119.4Ω (3.8Ω@97Hz)  
 Fs 17.7Hz  
 Sens' 90.3dBm  
 Qms 8.21  
 Qes 0.20  
 Qts 0.20  
 Vas 156.5L  
 P830844



Physical measurements taken from actual stock. Please allow for measurement tolerances. (Tolerance: ± 0.5%) It is recommended that you acquire actual stock before drilling any holes. See [www.peerless.dk](http://www.peerless.dk) for more data.



## PEERLESS AUTOMOTIVE SPEAKER RANGE

### NEW! PEERLESS CAR AUDIO SPEAKERS

Advances in materials and manufacturing techniques give rise to a new world of car audio performance. Peerless of Denmark have recently advanced their range into Premium Quality Automotive Audio. Boasting exceedingly robust and well-built units giving exceptional audio as expected from Europe.



**Component System** offers superior audio quality and greater installation positioning flexibility.

**Light-weight** by use of exotic materials, yet maintaining high performance and power handling.

**Easy-Install** various screw holes for the mid-woofers and several mounting options for the dome tweeter. Templates and all mounting hardware is supplied.



### SUBWOOFER 10" / RESOLUTION Series /

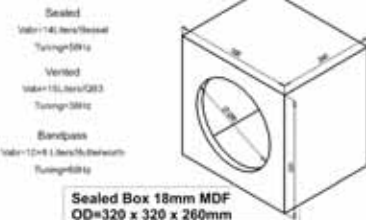
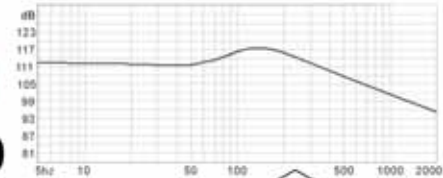
Aluminium Die-Cast Basket. Gold-Plated Banana Terminals. Small Box Optimised. Ridgid Paper-Pulp Composite Cone. Extra High Power and Long Stroke for Very High SPL! Large ventilated Voice Coil with Low Compression design.

Amp 30→400Wrms  
Sens. 90dB  
Imp. 3.5Ω (DC)  
Fs 30Hz  
Qts 0.33  
Vas 40.6L  
BL 14.4 NA  
M/Mass 107g  
Coil 50mm  
Cms 0.26mm/N  
Xmax 10.2mm  
P822007



**R10**

Sealed box, 14 liters in car simulation (dB SPL at 1m) with 300Wd



### SUBWOOFER 12" / RESOLUTION Series /

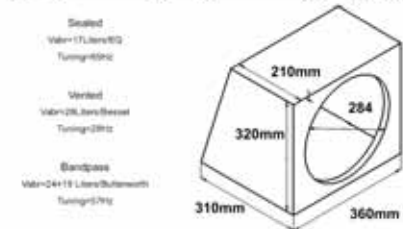
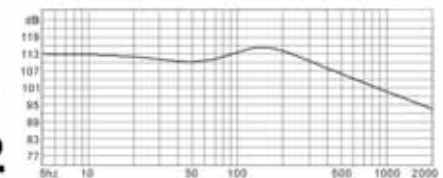
Aluminium Die-Cast Basket. Gold-Plated Banana Terminals. Small Box Optimised. Ridgid Paper-Pulp Composite Cone. Extra High Power and Long Stroke for Very High SPL! Large ventilated Voice Coil with Low Compression design.

Amp 30→400Wrms  
Sens. 91.5dB  
Imp. 3.5Ω (DC)  
Fs 25Hz  
Qts 0.33  
Vas 99.7L  
BL 14.8 NA  
M/Mass 139g  
Coil 50mm  
Cms 0.29mm/N  
Xmax 10.2mm  
P822008



**R12**

Sealed box, 17 liters in car simulation (dB SPL at 1m) with 300Wd



### SUBWOOFER 15" / RESOLUTION Series /

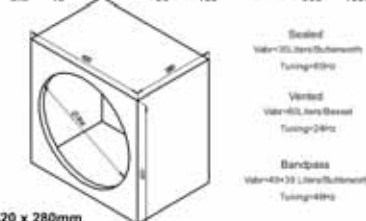
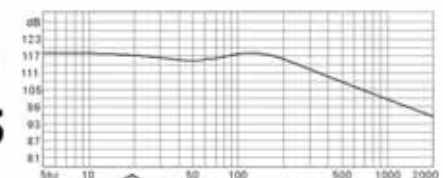
Aluminium Die-Cast Basket. Gold-Plated Banana Terminals. Small Box Optimised. Ridgid Paper-Pulp Composite Cone. Extra High Power and Long Stroke for Very High SPL! Large ventilated Voice Coil with Low Compression design.

Amp 30→1000Wrms  
Sens. 92.3dB  
Imp. 3.2Ω (DC)  
Fs 22.3Hz  
Qts 0.34  
Vas 183.9L  
BL 17.7 NA  
M/Mass 255g  
Coil 65mm  
Cms 0.20mm/N  
Xmax 11.4mm  
P822009



**R15**

Sealed box, 34 liters in car simulation (dB SPL at 1m) with 300Wd



**[ DEFINITION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 3Ω  
 Non-resonant Glass resin basket  
 Fibrous pulp cone doped with AG resin  
 Long exertion Butyl rubber surround  
 Anodized aluminium voice coil former  
 1" Textile dome neodymium tweeter  
 Flush mount kit & Angle mount kit  
 Premium multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [D5 or D6]

**5" STEREO SET**  
 130mm(115mm Hole)  
 57mm mount depth  
 70Wnom 140Wmax  
 60Hz → 22KHz  
 P822000  
 a set.

**D5**



**P822000 (5")**

**[ DEFINITION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 3Ω  
 Non-resonant Glass resin basket  
 Fibrous pulp cone doped with AG resin  
 Long exertion Butyl rubber surround  
 Anodized aluminium voice coil former  
 1" Textile dome neodymium tweeter  
 Flush mount kit & Angle mount kit  
 Premium multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [D5 or D6]

**6" STEREO SET**  
 165mm(146mm Hole)  
 68mm mount depth  
 80Wnom 160Wmax  
 50Hz → 22KHz  
 P822001  
 a set.

**D6**



**[ RESOLUTION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 4Ω  
 Steel stamped basket. Ventilated voice coil.  
 Mineral filled Polypropylene mid-woofer.  
 Long exertion NBR rubber surround  
 Attractive black metal speaker grills  
 1" soft dome compact neodymium tweeter  
 Adjustable tweeter attenuation (x3)  
 Compact multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [R5 or R6]

**5" STEREO SET**  
 130mm(117mm Hole)  
 58mm mount depth  
 90Wnom 180Wmax  
 55Hz → 20KHz  
 P822002  
 a set.

**R5**



**[ RESOLUTION Series ] COMPONENT SYSTEMS**

High performance Midrange-Woofer 4Ω  
 Steel stamped basket. Ventilated voice coil.  
 Mineral filled Polypropylene mid-woofer.  
 Long exertion NBR rubber surround  
 Attractive black metal speaker grills  
 1" soft dome compact neodymium tweeter  
 Adjustable tweeter attenuation (x3)  
 Compact multi-component crossovers 24dB  
 Available in 5" or 6" Pairs. [R5 or R6]

**6" STEREO SET**  
 165mm(141mm Hole)  
 62mm mount depth  
 100Wnom 200Wmax  
 45Hz → 20KHz  
 P822003  
 a set.

**R6**



**P822003 (6")**



## BMW E30 DST AUSTRALIA CAR

The Danish Sound Technology Vehicle has started off to a great beginning in the Car Audio Australia Sound Quality Competition.

Winning in the Pro Show Category First Place and winning the Judges choice award. With a Scan-Speak Reference front stage and Peerless XLS Subwoofers this vehicle delivers amazing Dynamics, an in-credible Sound Stage and imaging with deep lows.

*More Info About the Car....*

The Danish Sound Technology Australia demonstration vehicle is one of the very few vehicles in this country that can claim to be in the Hi End car audio division.

This car was built with one and only purpose, to demonstrate the amazing potential of Danish Sound Technology speakers, especially Peerless and Scan-Speak. The design and installation has taken over four month to complete. The team at AutObarn Penrith have dedicated themselves to achieve the best sounding result possible. Every single detail of the installation has been carefully studied and executed with great attention to detail.

The aim was to achieve a sound system that will overcome the vehicle's acoustic problems and will reproduce music as close to the original recording as possible. All the products in this car represent the best of the best in the car audio industry. The heart of the sound system beats to the beats of Pioneer with it's amazing flag head unit and processor P9R and DEQ9. All the heart beats are transmitted by DAI-ICHI Super Conductor Quad Shielded RCA cables.

The signal is amplified by four two channel pure Class A Celestra full analogue J-Fett Amplifiers which were hand crafted in Italy. Twelve gauge Soundlink Cables are responsible for transmitting the amplified signal to the speakers. Although the Soundlink cables are heavily shielded OFC they are covered with tubing and wrapped in synthetic automotive electrical carpet to prevent any electrical distortion from the OEM wiring, the same procedure has been carried out with all sound system wiring.

The jewel of the sound system lies in the front stage of the car. The three way Scan-Speak component system is by far the best the world has to offer. It's radiator tweeter is commonly used in it's eight ohm form in the most expensive home Hi End systems and it's very popular in the SOLIST speakers which retail for over sixty thousand dollars. As of 2004 the new phase plug design helped the REVELATOR to enter the Super Tweeter category. A field shared by only three other brands but none of them are available for the automotive environment.

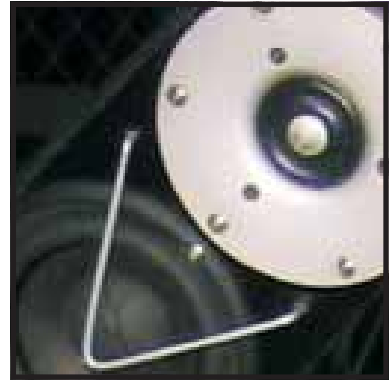
The deep emotions of the systems are smoothly represented by the two Peerless ten inch XLS subwoofers which are taking the European market by storm, review after review more and more European car audio magazines state the XLS to be the smoothest and most responsive subwoofer ever built in the less than \$1000 range.



To feed the hunger for power a dry cell battery now happily resides in the boot of the car providing the system with a thousand cold cranking amps, together with dual four gauge Soundlink power cables they make sure that the system is always fully powered.

Micro computer is installed in the spare tyre compartment, powered by an Intel Pentium 4 processor and with direct satellite GPS it transforms the car into a mobile studio and an office at the same time. Real time sound field testing can be done at any time and place and to print the result all one has to do is to plug a printer in to the powered USB terminal installed in the center console. Or how about an e-mail on the go?

Although all of the above may sound interesting, words can not describe the sensation of listening to this car. To fully understand what Danish Sound Technology is all about, just ask for a demonstration!



Drivers that deliver Astonishing Sound Reproduction with Clarity and Outstanding Performance

	
<b>RESOLUTION SERIES</b> Designed for outstanding sound quality and high SPL power handling.	<b>Peerless</b> automotive series
<b>DEFINITION SERIES</b> Engineered using the finest materials to produce a beautifully natural and unadorned sound stage.	<b>DST OZ CAR WINS IN CASSO PLATINUM EVENT</b>
<b>RESOLUTION SERIES</b> Extra high power performance subwoofer	<b>AWARDED FOR: PRO SHOW CLASS 1ST PLACE JUDGES CHOICE AWARD</b>
<b>XLS SERIES</b> The extreme subwoofer. Maximum performance in any application.	<b>CLICK HERE FOR MORE INFORMATION</b>
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<http://www.d-s-t.com.au/caraudio/>

