

Heracles *serenity.*



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Peak Consult Perspective

Heracles is the entry 2-way loudspeaker in the Serenity line. Here everything has no border to sound perfection or to the extreme cost of development and production. Heracles is made to extreme performance even in smaller rooms. All speakers in the line have been made, to be a very easy load to any kind of amplification, tubes or solid state in all sizes.

Enclosure

The multifaceted M-T-M (midrange-tweeter-midrange) enclosure is handcrafted in our own facilities by Danish artisans in a 1.5" HDF specially glued sandwich material covered by 0,75" solid acrylic. The side panels are produced in pure solid acrylic, polished to extreme high-gloss by Danish artisans.

The design optimises the off-axis response and minimizes diffraction to almost nothing. In order to minimize acoustical waves, there are no parallel front, back, top or bottom panels. The slant of the front panel aligns the phase and timing between tweeter and woofers.

Transducers

The tweeter:

The tweeter is a 1" soft dome, Hexatech with a non-resonant aluminium chamber. It features a multiple camber with no compression and a machined aluminium faceplate. Peak Consult has altered the tweeter in a very different way to have a perfect behaviour that makes it to the extreme. The tweeter performs effortlessly to sonic extremes and brings the "air" as no dome tweeter before. The most important things about the choice of this construction were the performances.

The midrange/woofer:

The 5" Audio Technology midrange/bass are hand-built specifically for optimal behaviour in The Heracles enclosure. The driver features a cone that has been uniquely shaped for this moving system and a vented magnet system that includes Symmetric Drive, optimising the linear directivity. It performs with matchless sound staging ability and an imaging tight and sharp as a Diamond. The Midrange will set new standards to midrange behaviours and will go beyond How? Peak Consult choose to have a very linear and stable cone, to the more fancy cones that in Peak Consult ears are to be more unstable in time and more different in production. The very similar is more coherent instead of use of exotic cones. In the designs Peak Consult decided to do the most linear design that makes the speakers to perform effortless in years to come instead of an exotic appearance. To make the extreme monitor in to the smaller rooms, the system is made in a dual configuration (M-T-M)



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Networks

High and low frequencies:

The Heracles includes an acoustical fully compensated second order crossover in the tweeter/midrange section. The crossover has been isolated from the moving system in its own dual sealed department in the integrated stand. The Heracles only features the best of the best in the crossover sections. Duelund Coherent “cast” audio foil capacitors, silver carbon resistors and oiled/waxed “cast” inductors by Duelund Coherent Audio.

Components:

Every component has been chosen for its sonic and musical behaviour, with no consideration for cost. The crossover has been crimped and hardwired before the silver soldering. The crossover is sealed in its own compartment to avoid micro phony distortion and to shield it from electrical and magnetic radiation from rest of the system. Peak Consult uses only own internal extreme demands for the “Serenity line” Period.

Internal wire:

Heracles has been made with special OEM wires for the different frequencies and then configured for single-wire.

Termination:



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Name

Heracles is best known as the strongest of all mortals. Stronger than many gods. So strong he was the deciding factor in allowing the Olympian Gods to win their battle with the giants. He was the last mortal son of Zeus. He is the only man born of mortal woman to become a god upon his death.

Offsetting his strength was a noticeable lack of intelligence or wisdom. Once when he became too hot he pulled his bow out and threatens to shoot the sun. This coupled with strong emotions in one so powerful frequently got Heracles in trouble. While his friend and cousin Theseus ruled Athens, Heracles had trouble ruling him. His pride was easily offended. He took up grudges easily and never forgot them. His appetites for food, wine, and women were as massive as his strength. Many of Heracles great deeds occurred while doing penance for stupid acts done in anger or carelessness.

It would be easy to view Heracles as a muscle bound buffoon. Indeed, many of the comic Greek playwrights used him this way. Even among serious critics he was often seen as a primitive, brutal, and violent. There is much to support this view. His chosen weapon was a massive club. His customary garment a lion skin, head still attached. He impiously wounded some of the gods. He threatened Apollo priestess at Delphi when an answer to his questions was not forthcoming. He created most of his own problems.

However, Heracles as simply a macho buffoon is unfair. If he held grudges, he would also do anything to help a friend. Once his anger passed he was the most critical judge of his own actions. He was too strong for anyone to force a punishment on him. That he willing did severe penance shows a fundamental sense of justice. During his punishments he shows patience, fortitude and endurance that are as heroic as his strength. Terrible things happen to him because of Hera's hatred, a hatred that he is not responsible for. That he perseveres through it all is a moral victory beyond simple strength.

The view of Heracles shifted considerable over time. The early view focused on how badly he managed despite his obvious gifts. As time passed the focus shifted to his virtues. The Romans valued him highly as he best fit their idea of a hero. He eventually had a fair sized cult that worshiped him as a god.

Design:	2-way Ported
Crossover Frequencies:	3.100 Hz
Frequency Range:	35 – 30.000 Hz +/- 3 dB
Sensitivity:	90 dB @ 1W/1m.
Impedance:	5 ohm Linear down to 35 Hz +/- 2 ohm
Dimension (H X W X D):	128 X 27 X 53 cm. – (50.5” X 11, 5”X 21”)
Weight:	102 kg. –(225 lb.) Pr. Pcs.
Finish:	High Gloss Acrylic.

Recommended room size: From 12 square meters.

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