

The Typhoeus



Peak Consult Perspective for The Typhoeus

In the jungle of consumer and so-called High-End loudspeakers, there are some brands actually reaching for these higher goals. Peak Consult is one of them, but how is that done?

Countless hours of measuring and critical listening by many audiophile ears has gone into making the one of the finest three-way loudspeaker available. With impedance curve and electrical phase characteristic like an electrostatic speaker, the final blend of art and technology has made The Typhoeus an uncompromising work of art. The State of Art and finest Loudspeaker has seen the light of dawn. It will set new trends to the High End meaning of speakers.

Enclosure

The multifaceted enclosure of The Typhoeus is handcrafted in our own facilities in Denmark by skilled Danish artisans in a 1.5"- 3.0" HDF specially glued sandwich material covered by 1" solid acrylic. At all points, resonance suppressers have been used in the construction. Special resonance suppressers have also been milled into the construction. Each material panel has been measured and hand-chosen by skilled Danish artisans. The triple order composite makes a new standard to resonance behaviour. The Peak triple construction makes resonance a history. Production is very cost full, but Peak Consult made that final step.

The design optimises the off-axis response and minimizes any kind of diffraction. 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, midrange and woofers. All design has been made and done to meet acoustical performances. The enclosure makes the attack and phase behaviours of second to none.

The Typhoeus

Transducers

The tweeter:

The tweeter is a triple magnet 1" soft dome with a non-resonant aluminium chamber. It features a multiple camber with low compression and a machined aluminium faceplate. Peak Consult has altered the front plate 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. There are many tweeters reaching for the higher frequencies, but fail in phase characteristics and that is what it's all about. Not data - but performance.

The midrange:

The dual 5" Audio Technology midranges are hand-built specifically for optimal behaviour in The Typhoeus 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 what ever has been done? 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.

The bass:

The dual 9" Audio Technology woofers are hand-built and specifically designed for The Typhoeus. Using new and special technology in the moving systems to make them very low-loss drivers. The huge magnets and ventilation that includes Symmetric Drive systems makes the driver's reproduce very tight and extremely low frequencies - second to none. These drivers will set new standards to bass reproduction.

Networks

High frequencies:

The Typhoeus includes an acoustical fully compensated second order crossover in the tweeter/midrange section and it have been isolated from the moving system in it's own dual sealed department. The Typhoeus only features the best of the best. Dual Peak foil capacitors and in some sections of the crossover even tenth Peak foil capacitors, silver carbon resistors and oiled/waxed inductors by Duelund Coherent Audio.

Low frequencies:

The low frequency includes only oiled/waxed-foiled inductors from Duelund Coherent Audio. The low frequencies have also been altered by our straight level impedance and phase control. All sealed in its own isolated compartment.

Components:

Every component has been chosen for its sonic and musical behaviour, with no consideration for cost. The crossover is crimped and hardwired with silver soldering. The crossover is sealed in it's own compartment to avoid microphony distortion and to shield it from electrical and magnetic radiation from rest of the system. Peak Consult uses only the best parts to do this High End loudspeaker. Imagine there is used more than 300 meters of components in a speaker and the end user had to decide for his only 2 x something. The speaker has a hart and for that only the finest is exerted.

The Typhoeus

Internal wire:

Peak Consult uses a special OEM wire from Stereovox for the upper frequencies and a special Peak Consult manufactured high current cable for the bass.

Termination:

The true Bi-wire termination is done with The WBT platinum signature.

Recommended room size:

From: 30 square meters. (97 square feet's) and up.

The name?

The Typhoeus is the Greek god of storms and boasts an extremely linear frequency response, on-axis as well as of-axis.. This makes it a very accurate loudspeaker in a "real World" environment. The extreme linear phase and impedance makes it a very easy load for any amplifier, if it would be a solid state or a tube amp.

The name says it all; the speaker performs and looks second to none. Like the God, it is able to go from silence to intense rage in only a fraction of time. The storm has begun, The Master and Commander of that will always be The Typhoeus.

Specifications:

Design:	3-way Ported.
Crossover Frequencies:	180 Hz / 3450 Hz.
Frequency Range:	28 – 45.000 Hz –3dB in room.
Sensitivity:	92 dB @ 1W/1m.
Impedance:	4 ohm linear to 30 Hz.
Dimension (H X W X D):	170 X 31 X 62 cm. – (67" X 12,2"X 24")
Weight:	175 kg. –(495 lb.) each.