

METEOR 0.1.5 General Presentation

TRIANGLE, through the new METEOR 0.1.5 subwoofer, has given itself the means to offer products truly specialized in the reproduction of bass and infrasonic frequencies. This has been achieved by the exclusive use of high quality components in both driver and amplification design.

In elaborating the METEOR 0.1.5, TRIANGLE applied its tried and true philosophy in regards of engineering. The drivers and electronics are fully designed and developed by TRIANGLE.

This new subwoofer can be paired with your chosen loudspeakers to create the full sound system of a Home Theater.



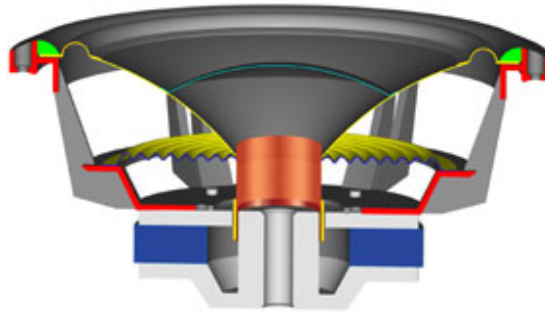
Available in Black piano lacquer finish

The performances of this subwoofer can only be described as exceptional. Its ability to re-transcribe the subtleties, the dynamic qualities as well as the tonal colours of the low and extremely low frequencies render the METEOR 0.1.5 the essential element of your sound reproduction system, whether you listen in stereo, in multi channel audio or within a home-cinema configuration.

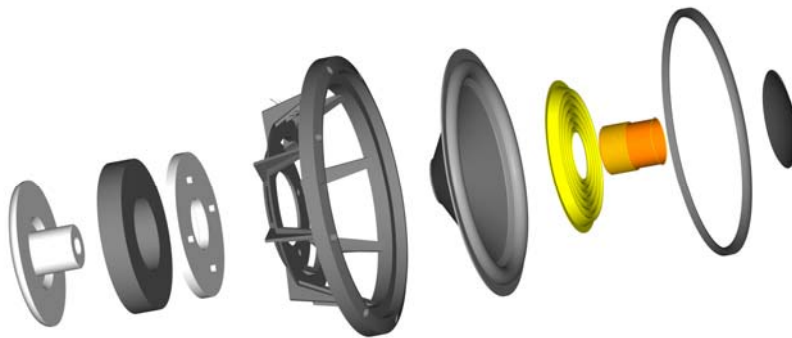
This subwoofer comes with a bass driver specifically created and engineered by TRIANGLE: the T28DE120C

A. The T28DE120c Bass Driver

The T28DE120c is a bass loud speaker of 280 mm in diameter. The coil is wound on four layers in order to allow the use of copper wires of thick diameter. In this way the loud speaker handles more power: 120 watts RMS. The motor features field plates of 8mm in thickness with a magnet of 150 mm in diameter. The motor's cylinder head is pierced at the centre to enable cooling and limit the phenomena of air compression. The membrane is made of treated paper.



T28DE120c



T28DE120c

B. Electronics:

Amplification uses high-power lowloss toroidal transformers capable of delivering 100W RMS for the METEOR 0.1.5 with the following advantages:

- Highly dynamic,
- Very low sensitivity of the output stage to loudspeaker impedance,
- Good loud speaker control at low frequency signals.

To increase amplification further, surface mount components (CRV1S) are used, on a double-sided printed circuit to limit distortion as much as possible. Thus, the signal / noise ratio and integration are excellent and the circuit is very robust. Also to further increase amplification, the dissipater temperature is controlled by a sensor to prevent rapid rises in temperature at the output stage.

Filtering is studied so as to optimize the frequency response of the enclosures. The cut-off frequency varies on all enclosures from 40 to 120 Hz.

The METEOR 0.1.5 is equipped with automatic powering on when an audio signal is received of an amplitude greater than -65dB . In addition, the enclosure switches off automatically after 10 minutes without receiving a signal greater than -70dB or without user operation (phase).

Meteor 0.1.5 Technical Characteristics

Power Amplifier

Nominal Power : 120 W RMS
Dynamic Power : 460 W

Specifications

Frequency Response (+/- 3dB) : 33Hz - 160Hz
Filter cut-off frequency : 40Hz - 160Hz
Phase : 0-180°
Bass Driver : T28DE120c
Speaker Diameter : 280 mm / 11”
Magnetic Shielding : NO

General

Power Supply : 220 / 240v - 50Hz
switchable 115v – 60Hz
Inputs : L&R high & low level
Output : High level
Net Weight : 22.6kg / 49.8lbs
Dimensions HxWxD (mm) : 505 x 260 x 540
Dimensions HxWxD (inches) : 19.7” x 10.2” x 21.1”