

AVANTGARDE ACOUSTIC™ DUO GROSSO

The successful introduction of the DUO OMEGA led to the development of the DUO GROSSO which is a combination of DUO OMEGA's mid-high horn section and the new subwoofer module SUB231-G. The technology used in this new subwoofer is based on Avantgarde Acoustic's™ top-of-the-line subwoofers – the BASSHORNS – featuring the same drivers and an adapted version of the BASSHORN's power amplifier modules.

The tweeter unit has been integrated into the subwoofer cabinet. Thus the appearance of the DUO GROSSO, despite the significantly bigger subwoofer, still meets the classical DUO/DUO OMEGA range.

Far more than just an improvement in bass and sub-bass (definition, resolution, sound pressure level), the DUO GROSSO subwoofer also provides a significantly enhanced mid and high range performance – affecting every audiophile criteria, including sound staging and focussing.

Available as a stand alone version as well, the SUB231 is now Avantgarde Acoustic's™ conventional subwoofer recommendation for the TRIO speakers, thus replacing the present SUB230.

The DUO GROSSO models are available with the same color options as the current DUO range.



SPECIFICATIONS*

SYSTEM DATA

Frequency range – Bass	18-220 Hz
Power handling	100 Watt
Sensitivity (1W/1m)	> 107 dB
Crossover freq.	170 / 2.000
Nominal Impedance	18 Ohm
Recomm. Amplifiers	> 10 Watt
Recomm. Room size	> 20 qm
CDC	yes

HORNS

Opening	180°
Diameter midrange	670 mm
Diameter tweeter	180 mm
Horn length midrange	370 mm
Horn length tweeter	85 mm
Horn area midrange	0,353 qm
Horn area tweeter	0,025 qm
Diameter midrange driver	170 mm
Diameter tweeter driver	1"

BASS DRIVERS

Drivers per speaker	2
Power handling - RMS	600 Watt
Nominal Diameter	300 mm
Voice coil diameter	100 mm
Magnet diameter	228 mm
Magnet weight	10 kg

AMP MODULE

Modules per loudspeaker	1
Amp power - RMS	2 x 250 Watt
Filter capacitors	80.000 µF
High Quality toroidal transformer	540 VA
Active crossover	variable, 60-220 Hz
Subsonicfilter	20, 25, 30 Hz
Audio input transformer	yes
SoftStart circuit	yes
REAL TIME control	yes
Line- and speaker level input	switchable
12V remote power-up	integrated

DIMENSIONS / WEIGHT

Dimensions (per speaker) mm	width 670 mm, depth 670 mm, height 1.555
Weight (per speaker)	approx. 95 kg

* all technical specifications are subject to change without notice