

# Magellan

## GRAND CONCERT

### THE FLAG SHIP

Its structure comprises three distinct enclosures designed to ensure elimination of standing waves and vibration.

The considerable weight of the loudspeaker (100 kg) required the development of the new exclusive Fixocal locking system, which locks the three enclosures together with up to 1.6 tons of clamping pressure.

*Grand Concert* is not just a technological showcase; all of TRIANGLE's passion for music has gone into it. We have pushed our thrive for perfection to its limit.

Bass is abysmally deep, the mids and highs simply go beyond the walls, you can feel the ambiance in the hall and it is totally gripping. At last, you can now enjoy a genuinely realistic listening experience.

With the *Grand Concert*, TRIANGLE's engineers have managed to blend together seemingly incompatible elements: the full texture of the timbre coupled with sublime airiness and power which conserves all its femininity.

In collaboration with Hutchinson, we developed an exclusive coupling process for the T16PG midrange driver. The resulting elimination of any vibration creates a sound image which is totally transparent and exceptionally sharp. This principle of mechanical coupling is drawn upon for the configuration of the filters which are separate and isolated, each one functioning uniquely within its own individual module.



### MAGELLAN IN THE CATHEDRAL IN AMIENS

The *Grand Concert* was installed for a philharmonic concert in the cathedral in Amiens, which is the most vast medieval edifice in France (it measures 145 m in length, with a 42.5 m vaulted nave and an interior volume of 200 000 m<sup>3</sup>).

THE CATHEDRAL OF NOTRE-DAME IN AMIENS

### SPEC SYSTEM

*An exclusive technology developed by TRIANGLE. Like the endpin of a cello, it evacuates mechanical energy to the ground.*



### TWEETER TZ 2900 GC

*A marvel of mechanical ingenuity and precision machining, one of the cornerstones of the Magellan program.*



### CONNECTOR BLOCK

*Made of pure copper and plated with gold to ensure perfect electric conductivity.*



Magellan  
BECAUSE YOU DESERVE THE BEST.



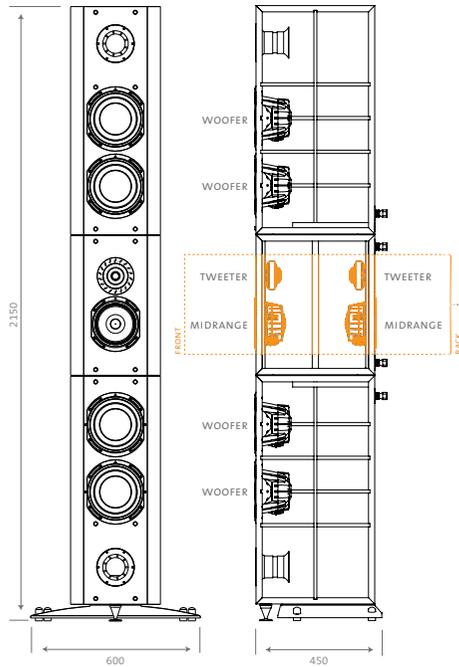
### GRAND CONCERT

*The Grand Concert loudspeaker which has required more than 1000 design plans throughout its development stages, is the culmination of professional craftsmanship and a passionate desire. It represents the very heart and soul of TRIANGLE.*

*H*igh-gloss lacquer finish available in Black or White on Grand Concert.

handcrafted in France  
www.triangle-fr.com



**MAGELLAN UNIQUE SYSTEM**

The **BI-POLAR** arrangement is designed to faithfully reproduce the soundstage by diffusing a 360° sound image.

NUMBER OF DRIVERS	<b>8</b>
NUMBER OF WAYS	<b>3</b>
TWEETER (2 x)	<b>TZ2900GC</b>
MIDRANGE (2 x)	<b>T16GMF100-THG06</b>
WOOFER (4 x)	<b>T21GM-MT10-THG06</b>
SENSITIVITY (dB/W/m)	<b>91</b>
FREQUENCY RANGE (+/-3dB Hz-KHz)	<b>28 – 20</b>
POWER HANDLING (W)	<b>400</b>
REPETITIVE PEAK POWER	<b>800</b>
SPL MAX (dB)	<b>116</b>
NOMINAL IMPEDANCE (Ω)	<b>4</b>
MINIMUM IMPEDANCE (Ω)	<b>2,5</b>
LOW FREQUENCY ROLL-OFF (Hz)	<b>300 (12dB/Oct)</b>
HIGH FREQUENCY ROLL-OFF (Hz)	<b>2800 (24dB/Oct)</b>
DIMENSIONS (HxLxP mm)	<b>2150 x 600 x 450</b>
WEIGHT (Kg)	<b>100</b>

**2x****TWEETER TZ2900GC**

Optimized by computer simulation, its horn is shaped to provide a substantial attenuation of the directivity effect, i.e. off-axis drop in high frequency level. A remarkably smooth and fluid musical quality!

**2x****MIDRANGE T16GMF100-THG06**

A unique design: extra wide bandwidth from 70 Hz to 4000 Hz with minimum distortion and the most linear output in the industry. The new cellulose fiber diaphragm features an exponential profile to ensure true-to-life reproduction in the medium frequency band.

**4x****WOOFER T21GM-MT10-THG06**

1. Composite diaphragm consisting of an inner cellular structure (cellulose pulp) sandwiched between two sheets of fiberglass (new SVA diaphragm).
2. High rigidity die-cast aluminium basket fitted with a rear cover acting as a radiator.
3. Special connection block on T16PG, T16GM and T21GM series drivers.
4. The special steel alloy polar pieces of the motor provide an extremely powerful magnetic field.
5. Thermal transfer ring designed to dissipate the heat generated by the motor (LHS2 System).



*Magellan*  
by TRIANGLE

GRAND CONCERT

