AMADEUS

ML18

TECHNICAL SPECIFICATIONS
MK II

ACOUSTICAL SPECIFICATIONS

Amplitude linearity (± 3dB)	38 - 350 Hz
Operating frequency range (- 6dB)	35 - 350 Hz
Cut off frequencies (- 10dB)	32 - 350 Hz
Number of ways	1
Sensitivity	100 dB
Maximum SPL (*)	133 dB (*) Peak level at 1-meter under free field conditions using 12 dB crest factor pink noise
Horizontal coverage	360°
Vertical coverage	360°

TECHNICAL SPECIFICATIONS

Nominal impedance	8 Ω
AES power handling	1 000 W
Program power handling	2 000 W
Peak power handling	2 800 W
Transducer (LF)	1 x 18"
Enclosure type	Bass-Reflex

PHYSICAL SPECIFICATIONS

Height	19.84 in (504 mm)
Width	21.77 in (553 mm)
Depth	27.09 in (688 mm)
Weight	92.59 lbs (42 kg)
Connectors	2 x speakON NL4MP
Handles	2
Rigging	1 x screw receptacle for satellite pole

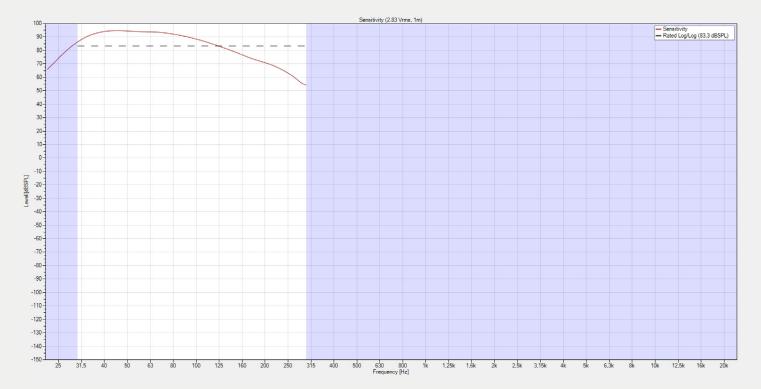## REFERENCES

ML 18 MKII	High-efficiency subwoofer (1 x 18" LF)
FA1ML18	Flight Case featuring casters with brakes for one Amadeus ML 18
FA2ML18	Flight Case featuring casters with brakes for two Amadeus ML 18 or ML 18 D
9005	Jet Black finish for cabinet, based on RAL 9005 color
9010	Pure White finish for cabinet, based on RAL 9010 color
1013	Oyster White finish for cabinet, based on RAL 1013 color
7040	Window Grey finish for cabinet, based on RAL 7040 color
7030	Stone Grey finish for cabinet, based on RAL 7030 color
5011	Steel Blue finish for cabinet, based on RAL 5011 color
9005	Jet Black color for Airtex © acoustical fabric, based on RAL 9005 color
9006	White Aluminium color for Airtex © acoustical fabric, based on RAL 9006 color
9010	Pure White color for Airtex © acoustical fabric, based on RAL 9010 color
1035	Pearl Beige color for Airtex © acoustical fabric, based on RAL 1035 color
1036	Pearl Gold color for Airtex © acoustical fabric, based on RAL 1036 color

SENSITIVITY GRAPH

The sensitivity graph is identical to the transfer function graph for the on-axis location with two exceptions. First is that the display is of magnitude only. There is no phase data to be shown on this graph. The second is that the level is referenced to 1-meter and an RMS input voltage of 2.83 V. The sensitivity value is calculated over the bandwidth defined by the upper and lower frequency limits entered for the rated frequency bandwidth. This is in keeping with the definition of sensitivity in IEC 60268-5 for an RMS input of 2.83 V.

Sensitivity (2.83 Vrms, 1m)

STANDARD COLOR CODES

Amadeus systems offer a standard 'Jet Black' finish, based on RAL 9005 color. The following codes allow you to select separately the colors associated with the different external elements that Amadeus systems are composed of.

REFERENCE   /   **** [1]   /   **** [2]

**** [1]   RAL COLOR CODES FOR CABINETS AND MECHANICAL ELEMENTS

**** [2]   RAL COLOR CODE FOR AIRTEX © ACOUSTICAL FABRIC

For example, a two-color PMX 5 MKII system with 'Jet Black' cabinet (RAL 9005) and 'White Aluminium' Airtex © fabric in front of the protection grid (RAL 9006) gets the code PMX5MKII/9005/9006. Another example, a single-color DIVA XS system, made with a 'Pure White' (RAL 9010) cabinet and mechanical elements and a 'Pure White' (RAL 9010) acoustical fabric Airtex © covering the protection grid gets the code DIVAXS/9010/9010.

Please contact us if you want to order any specific color.

HIGHLY RESISTANT FINISH (HRF)

Amadeus recently invested in a new painting area featuring new painting machines able to produce a high-resistance resin-based finish, making the speakers highly resistant to scratches, shocks and water projections.

This new optional finish, increasing the systems' durability as well as the degree of protection provided by enclosures against intrusion, dust, accidental contact, and water up to IP55 (EN 60 529) is now available available on-demand.

Please contact us if you want to order any specific finish.

ACCESSORIES TO MEET YOUR NEEDS

Accessories are often the forgotten detail. They are, however, a vital component in a complex speaker setup.

To compliment our core product offering, we also provide an extensive range of accessories.

The selection of accessories includes a huge number of mounting and connecting accessories, available to accommodate any configuration of installation.

The key to our success is to remain flexible. We have a unique manufacturing programme which allows us to efficiently produce anything from small batches to an automated production process for large scale manufacturing.

Please contact us if you want to order any specific accessory.

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