

NUMAX XV FOCUS





ACOUSTICAL SPECIFICATION

Amplitude linearity (\pm 3dB)	40 - 20 000 Hz	(*) with #HPF 40 preset)
Operating frequency range (- 6dB)	35 - 20 000 Hz	
Cut off frequencies (- 10dB)	31 - 20 000 Hz	
Number of ways	4 (LF MF HF LF Cardio)	
Sensitivity (LMHF)	97 dB	
Sensitivity (LMHF + LF Cardio)	100 dB	
Maximum SPL (LMHF)	139 dB	(*) Peak level at 1-meter under free field conditions using 12 dB crest factor pink noise
Maximum SPL (LMHF + LF Cardio)	142 dB	(*) Peak level at 1-meter under free field conditions using 12 dB crest factor pink noise
Horizontal coverage	90° symmetric 120° symmetric 105° asymmetric	(*) Amadeus NUMAX XV Focus (90/10) model (*) Amadeus NUMAX XV Focus (120/10) model (*) achieved by combining 90° (WG 90) and 120° (WG 120) waveguide parts, with selectable inward or outward orientation.
Vertical coverage	10°	(*) given at -6 dB

TECHNICAL SPECIFICATIONS

Nominal impedance (LF)	8 Ω	
Nominal impedance (MHF)	8 Ω	
Nominal impedance (LF Cardio)	16 Ω	
Amplification requirement	3 channels (tri-amped)	
AES power handling (LF)	1 000 W	
AES power handling (MHF)	400 W	
AES power handling (LF Cardio)	600 W	
Peak power handling (LF)	4 000 W	
Peak power handling (MHF)	1 500 W	
Peak power handling (LF Cardio)	2 000 W	
Transducer (LF)	1 x 15" driver with neodymium magnet	
Transducers (LF Cardio)	2 x 8" driver with neodymium magnet	
Transducer (MF)	1 x 8" driver with neodymium magnet	
Transducer (HF)	1 x 3" neodymium compression driver	(*) Voice Coil Diameter
Enclosure type (LF)	Bass-Reflex	
Enclosure type (LF Cardio)	Passive radiator (1 x 8")	
Processing type (LF)	Active filtering by external DSP combining IIR and FIR filters	
Processing type (MHF)	2-way built-in passive filter, plus active filtering by external DSP combining IIR and FIR filters	
Processing type (LF Cardio)	Active filtering by external DSP combining IIR and FIR filters	

PHYSICAL SPECIFICATIONS

Height	17.2 in (436 mm)	
Width	37.4 in (950 mm)	
Depth	21.0 in (534 mm)	
Weight	132 lbs (60 kg)	
Enclosure angle	10°	
Angle increments	0°, 2.5°, 5°, 7.5°, and 10°	(*) Variable curvature possible with built-in rigging system
Connectors	4 x speakON Neutrik NL4MP	
Wiring	Connector 1 : LF (1+/-) MHF (2+/-) Connector 2 : LF LINK (1+/-) MHF LINK (2+/-) Connector 3 : LF Cardio (1+/-) Connector 4 : LF Cardio LINK (1+/-)	
Handles	4	
Rigging	Compatible with NUMAX XV Focus, NUMAX XV Wide, NUMAX XV BUMP	



REFERENCES

2-99-07-0012-A	Amadeus NUMAX XV Focus (90/10)	Cardioid full-range line-array loudspeaker, optimized for 90° × 10° dispersion.
2-99-07-0018-A	Amadeus NUMAX XV Focus (120/10)	Cardioid full-range line-array loudspeaker, optimized for 120° × 10° dispersion.
2-98-04-0055-A	Amadeus NUMAX XV Focus WG 90	Half waveguide designed for NUMAX XV Focus, allowing symmetric 90° horizontal coverage when paired.
2-98-04-0051-A	Amadeus NUMAX XV Focus WG 120	Half waveguide designed for NUMAX XV Focus, allowing symmetric 120° horizontal coverage when paired.
2-99-02-0065-A	Amadeus NUMAX Bump	Bumper for Amadeus NUMAX XV Focus and NUMAX XV Wide

STANDARD COLOR CODES

Amadeus systems offer a standard 'Jet Black' finish, based on RAL 9005 color. Please contact us if you want to order any specific color.

HIGHLY RESISTANT FINISH (HRF)

Amadeus NUMAX Series loudspeakers are manufactured with a high-resistance resin-based finish, providing excellent protection against scratches, shocks and water projections.

This standard finish enhances long-term durability and increases enclosure protection against intrusion, dust, accidental contact and water, with performance up to IP55 (EN 60529). A wide range of finishes is available on demand. Please contact us for specific requirements.

ACCESSORIES TO MEET YOUR NEEDS

Accessories play a critical role in the performance, integration and reliability of professional loudspeaker systems.

To support a wide range of applications, Amadeus offers a comprehensive selection of mounting, rigging and connection accessories, designed to ensure seamless integration across diverse installation and deployment contexts.

This range includes multiple mechanical and connection solutions, engineered to accommodate architectural constraints, touring requirements and fixed-installation environments.

Amadeus' manufacturing flexibility enables both small-batch bespoke production and large-scale industrial manufacturing, ensuring consistent quality and long-term availability across all projects.

Please contact us for specific accessory requirements or custom configurations.



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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.

