

NUMAX XV





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 90°-120° progressive	(*) Amadeus NUMAX XV (90/45) model (*) Amadeus NUMAX XV (120/45) model (*) Amadeus NUMAX XV (90-120/45) model
Vertical coverage	45°	(*) given at -6 dB

TECHNICAL SPECIFICATIONS

Nominal impedance (LF)	8 Ω	
Nominal impedance (MHF)	8 Ω	
Nominal impedance (LF Cardio)	4 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	16.8 in (426 mm)
Width	37.4 in (950 mm)
Depth	21.7 in (550 mm)
Weight	132 lbs (60 kg)
Enclosure angle	10°
Connectors	2 x speakON Neutrik NL4MP
Wiring	Connector 1 : LF (1+/-) MHF (2+/-) Connector 2 : LF Cardio (1+/-)
Handles	4
Rigging	Compatible with Amadeus ETRH NUMAX XV



REFERENCES

2-99-06-0005-A	Amadeus NUMAX XV (90/45)	Cardioid full-range point-source loudspeaker, optimized for 90° × 45° dispersion
2-99-07-0021-A	Amadeus NUMAX XV (120/45)	Cardioid full-range point-source loudspeaker, optimized for 120° × 45° dispersion
2-99-07-0023-A	Amadeus NUMAX XV (90-120/45)	Cardioid full-range point-source loudspeaker with 90°-120° × 45° dispersion
2-99-02-0066-A	Amadeus ETRH NUMAX XV	Horizontal flying bracket for NUMAX XV

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.

