Layer112H+EMD - Technical specifications

CONFIGURATION

System Type	Three-way Line Array Element	
	Transducers	Acoustic Load
LMF	1 x 12 in (32 cm) woofer	Hybrid - Bass-Reflex & Horn
MF	2 x 6.5 in (16 cm) midrange	Horn
HF	3 x 4 in Planar wave comp. driver	CD Horn

Operating Mode	Amplifier Channels	Supported Processing
	2: LMF, MHF	Armonia Plus (A+)

PERFORMANCE

Operating Range	65 Hz to 21 kHz +/-3 dB	Crossover points
LMF		40 Hz - 350 kHz
MF		350 Hz - 1.5 kHz
HF		1.5 kHz - 21 kHz

Nominal Bandwidth	
H Coverage	90 deg. @ -6 dB point
V Coverage	10 deg. @ -6 dB point

Maximum SPL	Axial sensitivity (2.83V @ 1mt)	Continuos	Peak
LMF	104 dB	132 dB	138 dB
MF	109 dB	135 dB	141 dB
MHF	118,5 dB	142 dB	148 dB

Input Impedance	Nominal
LMF	8 ohm
MF	8 ohm
HF	5.7 ohm (3 x 16 ohm comp. driver paralleled)

Rated Power

Recommended System High Pass Filter >> 65 Hz, 24 dB/octave
Suggested System High Pass Filter >> 90 Hz, 24 dB/octave

LMF	650 Watts AES (1.300 Watts Program)
MF	360 Watts AES (720 Watts Program)
HF	240 Watts AES (480 Watts Program)

Operating Mode	Amplifier Channels	Supported Processing
LMF, MF, HF	3	Armonia Plus (A+)
	Max paired cabinets	Suggested Amplifiers
	3	Powersoft X Series:
	Suggested	X4D - X8D
	2 (4/4/2.7 Ω nom. load per ch.)	

Dimensions	W,H,D, (mm/in) Weight (Kg/lb)	IN & OUT Connections Description	Shell Construction Description
Height (Front)	450 mm/17.71 in	2 x Neutrik SpeakON™	5 deg. Trapezoidal
Height (Rear)	360 mm/14.17 in	NL8 IN/OUT	Multi-laminate
Width (Front)	545 mm/21.45 in	paralleled connectors	birch ply 18/24 mm
Width (Rear)	545 mm/21.45 in	1 x Neutrik SpeakON™	Polyurea coated
Depth	510 mm/20.07 in	NL4 EMD OUT	paint
Weight	50 Kg/110.23 lb	1 x Neutrik SpeakON™	Perforated black
		NL4 Sub/Bass OUT	protection grille
		Pin Assignment:	
		Pins 1+1- LMF	
		Pins 2+2- MHF	
		Pins 3+3- LayerEMD OUT	
		Pins 4+4- Sub/Bass OUT	

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