Layer112H - Technical specifications

CONFIGURATION

System Type	Two-way Line Array Element	
	Transducers	Acoustic Load
LMF	1 x 12 in (32 cm) woofer	Hybrid - Bass-Reflex & 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 - 1.2 kHz
MHF		1.2 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
MHF	118,5 dB	142 dB	148 dB

Input Impedance	
	Nominal
LMF	8 ohm
MHF	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)
MHF	240 Watts AES (480 Watts Program)

Operating Mode	Amplifier Channels	Supported Processing
LMF, MHF	2	Armonia Plus (A+)
	Max paired cabinets	Suggested Amplifiers
	3 Suggested	Powersoft X Series: X4D - X8D
	2 (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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