F12H - Technical specifications

CONFIGURATION

System Type	Two-way Full-Range system	
	Transducers	Acoustic Load
LMF	1 x 12 in (32 cm) woofer	Horn
MHF	1 x 1.4 in comp. driver	CD Horn - Conical

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

PERFORMANCE

Operating Range	90 Hz to 20 kHz +/-3 dB	Crossover points
LMF		90 Hz - 1.2 kHz
HF		1.2 kHz - 20 kHz

Nominal Bandwidth			
H Coverage	60 deg. @ -6 dB point		
V Coverage	40 deg. @ -6 dB point		
Maximum SPL	Axial sensitivity (2.83V @ 1mt)	Continuos	Peak
LMF	110 dB	137 dB	143 dB
MHF	110 dB	130 dB	136 dB

Input Impedance	
	Nominal
LMF	8 ohm
HF	8 ohm

Rated Power	
	Recommended System High Pass Filter >> 80 Hz, 24 dB/octave Suggested System High Pass Filter >> 90 Hz, 24 dB/octave
LMF	450 Watts AES (900 Watts Program)
	360 Watts AES (720 Watts Program)
HF	110 Watts AES (220 Watts Program)

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

Dimensions	W,H,D, (mm/in) Weight (Kg/lb)	IN & OUT Connections Description	Shell Construction Description
Height (Front)	585 mm/23.03 in	2 x Neutrik SpeakON™	15° Trapezoidal
Height (Rear)	585 mm/23.03 in	NL8 IN/OUT	Multi-laminate
Width (Front)	775 mm/30.51 in	paralleled connectors	birch ply 18/24 mm
Width (Rear)	432 mm/17.00 in	1 x Neutrik SpeakON™	Polyurea coated
Depth	800 mm/31.49 in	NL4 Sub/Bass OUT	paint
Weight	65 Kg/143.30 lb	Pin Assignment:	Perforated black
		Pins 1+1- LMF	protection grille
		Pins 2+2- MF	
		Pins 3+3- Sub/Bass OUT	
		Pins 4+4- Sub/Bass OUT	

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