Formula F212 - Technical specifications

CONFIGURATION

System Type	Four-way Line Array Element	
	Transducers	Acoustic Load
LMF	Dual 12 i (32 cm) woofer	Horn
MF	2 x 6.5 in. (16 cm) midrange	Horn
HF	3 x 4 in.(2.5 x 10 cm) Planar wave comp. driver	CD Horn

Operating Mode		
	Amplifier Channels	Supported Processing
	4: LMF1, MF, HF, LMF2	Armonia Plus (A+)

PERFORMANCE

Operating Range	65 Hz to 21 kHz +/-3 dB	Crossover points
LMF		60 Hz - 350 Hz
MF		350 Hz - 2.4 kHz
HF		2.4 kHz - 21 kHz

Nominal Bandwidth				
H Coverage	90 deg. @ -6dB point			
V Coverage	10 deg. @ -6dB point (Depending on Array units)			
Axial Sensitivity	(whole space SPL)		Max SPL cont.	Max SPL peak
LMF	106 dB	2.83V@1mt	139 dB	145 dB
MF	109 dB	2.83V@1mt	135 dB	141 dB
HF	118,5 dB	2.83V@1mt	142 dB	148 dB

Input Impedance	
	Nominal
LMF	8 + 8 ohm (2 x 8 ohm Low-Mid bi-wired woofer)
MF	8 ohm (2 x 16 ohm pure midrange paralleled)
HF	8 ohm (3 x 16 ohm comp. driver paralleled)

Rated Power	
	Recommended System High Pass Filter >> 50Hz, 24 dB/octave Suggested System High Pass Filter >> 65Hz, 24 dB/octave
LMF	LMF1 + LMF2 2.000 Watts AES (4.000 Watts Program)
MF	360 Watts AES (720 Watts Program)
HF	240 Watts AES (480 Watts Program)

Operating Mode	Amplifier Channels	Supported Processing
LMF1, MF, HF,LMF2	4	Armonia Plus (A+)
	Max paired cabinets	Suggested Amplifiers
	3	Powersoft X Series:
	Suggested	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)	444 mm/17.48 in	2 x Neutrik SpeakON™	5 deg. Trapezoidal
Height (Rear)	336 mm/13.22 in	NL8 IN/OUT	Multi-laminate
Widht (Front)	1254 mm/49.37 in	paralleled connectors	birch ply 18/24mm
Width (Rear)	1254 mm/49.37 in	Pin assignment:	Polyurea coated
Depth	630 mm/24.80 in	Pins 1+1- LMF1	paint
Weight	106 Kg/233.6 lb	Pins 2+2- MF	Perforated black
		Pins 3+3- HF	protection grille
		Pins 4+4- LMF2	

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