

Formula F215 - Technical specifications

CONFIGURATION

System Type	Four way Line Array Element	
	Transducers	Acoustic Load
LMF	Dual 15 in. (38 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	50 Hz to 21 kHz +/-3 dB	Crossover points
LMF		50 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 3.000 Watts AES (6.000 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/lbs)	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
Width (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 lbs	Pins 2+2- MF	Perforated black
		Pins 3+3- HF	protection grille
		Pins 4+4- LMF2	

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