

FXI 12.50W



CERAMIC WOOFER

96 dB SPL 1W / 1m average sensitivity
50 mm (2 in) copper voice coil
200 W AES power handling
Aluminum voice coil former
Diecast aluminum basket
Weather protected cone for outdoor usage
Specially designed for two way systems



PRELIMINARY

GENERAL SPECIFICATIONS

Nominal diameter	320 mm	(12 in)
Rated impedance	8 Ohm	
AES power (1)	200 W	
Program power (2)	400 W	
Sensitivity (3)	96 dB	
Frequency range (4)	45 - 5000 Hz	
Max recomm. frequency	1,8 kHz	
Recomm. enclosure volume	47 lt.	(1,66 cu.ft.)
Voice coil diameter	50 mm	(2 in)
Voice coil winding material	Copper	
Suspension	Nomex M-roll	
Cone	Treated Paper	

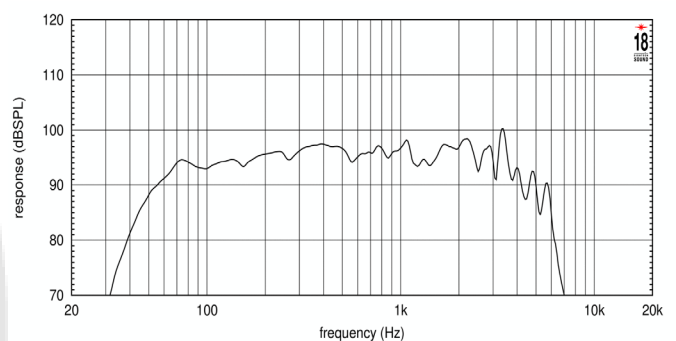
THIELE SMALL PARAMETERS (5)

Fs	55 Hz	
Re	5,3 Ohm	
Sd	0,0535 sq.mt	(82,9 sq.in.)
Qms	4,1	
Qes	0,48	
Qts	0,43	
Vas	64 lt	(2,26 cuft)
Mms	52 gr	(0,11 lb)
BL	14 Tm	
Linear Mathematical X max (6)	± 4,5 mm	(± 0,18 in)
Le (1kHz)	mH	
Ref. Efficiency 1W@1m (half space)	2,17%	

MOUNTING INFORMATION

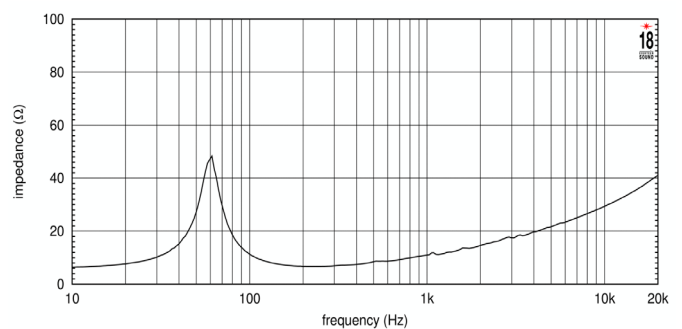
Overall diameter	315 mm	(12,4 in)
N. of mounting holes	8	
Mounting hole diameter	6,8 mm	(0,27 in)
Bolt circle diameter	295 mm	(11,6 in)
Front mount baffle cutout diameter	282 mm	(11,1 in)
Total depth	130 mm	(5,1 in)
Flange and gasket thickness	13 mm	(0,51 in)
Net weight	3,7 kg	(8,2 lb)

FREQUENCY RESPONSE CURVE



FREQUENCY RESPONSE MADE IN 60 LT. ENCLOSURE TUNED AT 50 Hz IN FREE FIELD (4pi) ENVIRONMENT.

FREE AIR IMPEDANCE MAGNITUDE CURVE



NOTES

- (1) AES standard
- (2) Program power rating is measured in 60 lit. enclosure tuned at 50 Hz using a 50-500 Hz band limited pink noise test signal applied for 2 hours and with 50% duty cycle.
- (3) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m from the baffle panel, when connected to 2,83 V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for 2 above.
- (4) Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.
- (5) Thiele - Small parameters are measured with fresh speaker
- (6) Linear Math. Xmax is calculated as; $(Hvc-Hg)/2 + Hg/4$ where Hvc is the coil depth and Hg is gap depth.