12C362
Coaxial Transducer

Features:

- 98dB sensitivity 1W/1m
- 500W + 80W Power handling
- 3” copper sandwich voice coil
- Triple aluminum demodulating rings
- Single point source providing coherent wave front
- Very high SPL, superb quality sound
- Optimal for compact 2-way systems

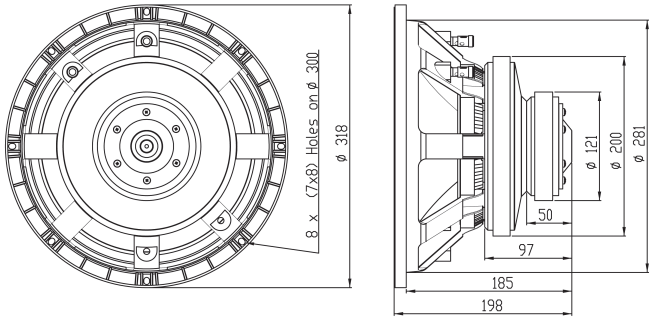
SPECIFICATIONS

APPLICATION	Transducer		
Nominal impedance	Ohm	8/8	
Power handling AES noise	W	500	
LOW FREQUENCY UNIT			
Sensitivity (1W/1m)	dB	98	
Frequency response	Hz	45 - 20000	
Voice coil diameter	mm	77 (3”)	
Voice coil material		Cu	
Voice coil winding depth	mm	19	
Magnet gap depth	mm	10	
Basket		Cast Aluminum	
Effect. diaphragm diameter D	mm	249	
THIELE - SMALL PARAMETERS			
Resonance frequency	Fs	Hz	45.8
DC resistance	Re	Ohm	5.7
Mechanical Q factor	Qms		5.6
Electrical Q factor	Qes		0.20
Total Quality factor	Qts		0.20
Equivalent volume	Vas	L	60.6
Moving mass	Mms	kg	0.067
Mechanical complience	Cms	mm/N	0.18
BL factor	BL	Tesla m	23.2
Effective piston area	Sd	m^2	0.0487
Max. linear excursion	Xmax	mm	± 4.5
SPECIFICATIONS HIGH FREQUENCY			
Power handling AES	W	80	
Peak Power	W	450	
Sensitivity (1W/1m)	dB	112	
Frequency range	Hz	600 - 20000	
Recommended crossover	Hz	1200	
Voice coil diameter	mm	44.4 (1.75”)	
Magnet material		Ferrite	
Flux density	T	2.0	
Voice coil material	Copper Clad Aluminum		
	(2 layers in- and outside of the VC)		
Voice coil former		Kapton™	
Diaphragm material		Polyester	

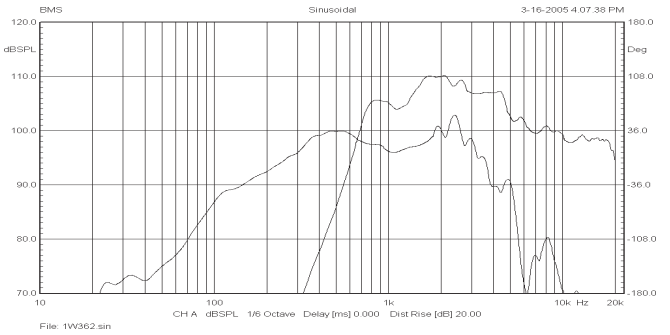
Recommended reflex enclosure:

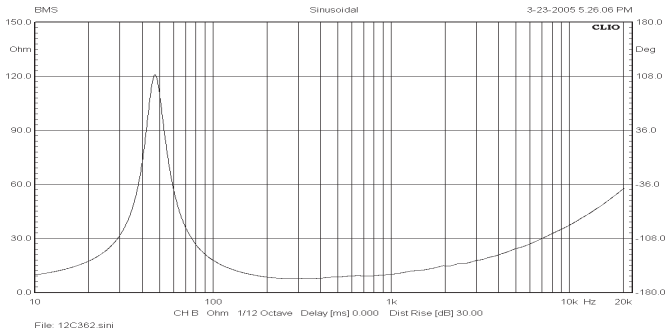
10L/77Hz, -3dB=103Hz, BRD=70mm/132mm long

25L/63Hz, -3dB=68Hz, BRD=90mm/106mm long



Frequency response measured 1W (2.83V) at 1m in a closed enclosure of 50 litre.





MOUNTING INFORMATION		
Overall diameter	mm	318
Mounting holes diameter	mm	8 x (7 x 8)
Bolt circle diameter	mm	300
Baffle cut-out diameter	mm	284
Overall depth	mm	198
Net weight	kg	10.20