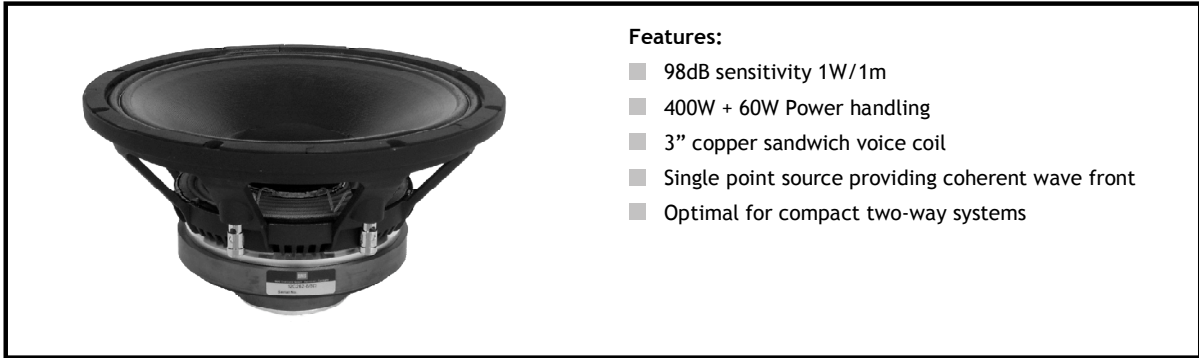


## Professional series

## 12C262 Coaxial Transducer



### Features:

- 98dB sensitivity 1W/1m
- 400W + 60W Power handling
- 3" copper sandwich voice coil
- Single point source providing coherent wave front
- Optimal for compact two-way systems

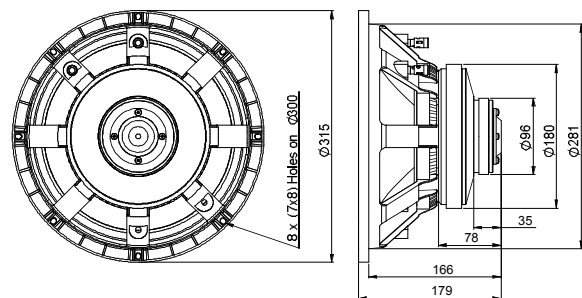
## SPECIFICATIONS

APPLICATION	Transducer		
Nominal impedance	Ohm	8	
Power handling AES noise	W	400	
Sensitivity ( 1W/1m )	dB	98	
Frequency response	Hz	55 - 20000	
Voice coil diameter	mm	77 (3")	
Voice coil material		Cu	
Voice coil winding depth	mm	15	
Magnet gap depth	mm	10	
Basket		Cast Aluminium	
Effect. diaphragm diameter D	mm	249	
THILE - SMALL PARAMETERS			
Resonance frequency	Fs	Hz	45.4
DC resistance	Re	Ohm	5.70
Mechanical Q factor	Qms		5.40
Electrical Q factor	Qes		0.24
Total Quality factor	Qts		0.23
Equivalent volume	Vas	L	62.80
Moving mass	Mms	kg	0.065
Mechanical complience	Cms	mm/N	0.189
BL factor	BL	Tesla/ m	21.00
Effective piston area	Sd	m <sup>2</sup>	0.0487
Max. linear excursion	Xmax	mm	± 2.5
SPECIFICATIONS HIGH FREQUENCY			
Nominal impedance	Ohm	8	
Power handling AES	W	60	
Peak Power	W	300	
Sensitivity ( 1W/1m )	dB	112	
Frequency range	Hz	1.2 - 20000	
Recommended crossover	Hz	1800	
Voice coil diameter	mm	38 (1.5")	
Magnet material		Ceramic	
Fluchs density	T	1.9	
Voice coil material		Copper Clad Aluminium	
Voice coil former		Kapton™	
Basket		Cast Aluminium	
Diaphragm material		Polyester	

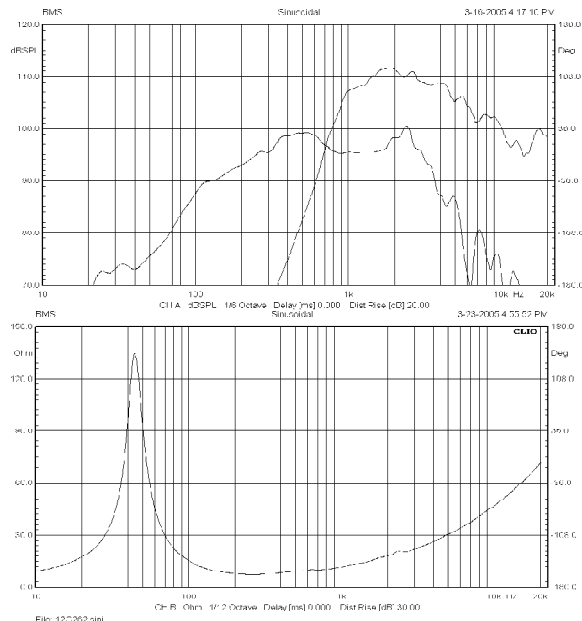
### Recommended reflex enclosure:

12P210 14L/68Hz, -3dB=86Hz, BRD=70mm/109mm long

12P210 25L/63Hz, -3dB=70Hz, BRD=80mm/78mm long



Frequency response measured 100W (28,3V)@ 1m in a closed enclosure of 50 litre in an anechoic chamber incl. 2nd and 3rd harmonic distortion raised 20dB.



### MOUNTING INFORMATION

Overall diameter	mm	315
Mounting holes diameter	mm	7 x 8
Bolt circle diameter	mm	300
Baffle cut-out diameter	mm	283
Overall depth	mm	179
Net weight	kg	7.8



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