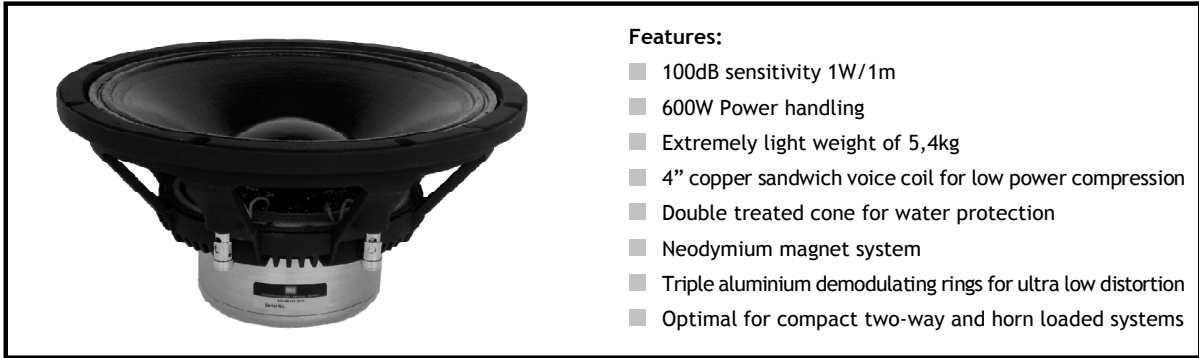


Neodymium series

12N810

Neodymium Ultra Low Distortion Low Midrange Driver

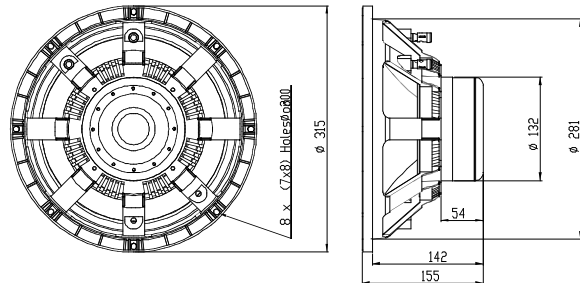


Features:

- 100dB sensitivity 1W/1m
- 600W Power handling
- Extremely light weight of 5,4kg
- 4" copper sandwich voice coil for low power compression
- Double treated cone for water protection
- Neodymium magnet system
- Triple aluminium demodulating rings for ultra low distortion
- Optimal for compact two-way and horn loaded systems

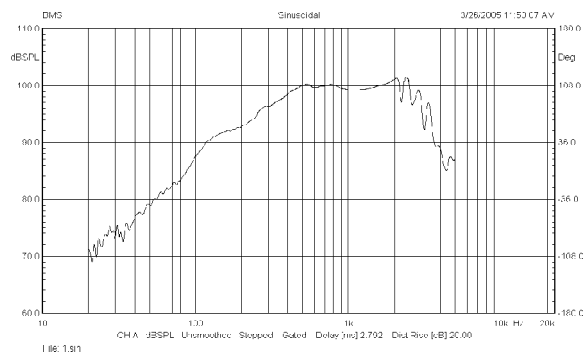
SPECIFICATIONS

APPLICATION	Low-Middle	
Nominal impedance	Ohm	8
Power handling AES noise	W	600
Sensitivity (1W/1m)	dB	100
Frequency response	Hz	80 - 2000
Voive coil diameter	mm	101,6 (4")
Voice coil material		Cu
Voice coil winding depth	mm	15
Magnet gap depth	mm	10
Basket		Cast Aluminium
Effect. diaphragm diameter D	mm	260

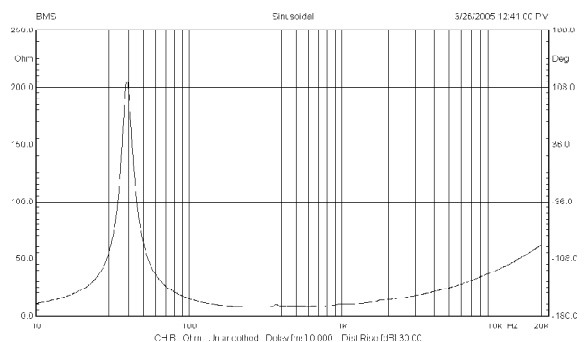


THILE - SMALL PARAMETERS			
Resonance frequency	Fs	Hz	39.1
DC resistance	Re	Ohm	5.60
Mechanical Q factor	Qms		6.40
Electrical Q factor	Qes		0.18
Total Quality factor	Qts		0.17
Equivalent volume	Vas	L	84.90
Moving mass	Mms	kg	0.077
Mechanical compl.	Cms	mm/N	0.21
BL factor	BL	Tesla/m	24.3
Effective piston area	Sd	m ²	0.0531
Max. linear excursion	Xmax	mm	2.5
Voice coil inductance	Le1k	µH	1.30
	Le10k	µH	0.62

Frequency response measured 1W (2,83V)@ 1m in a closed enclosure of 50 litre.



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	155
Net weight	kg	5.4



Recommended reflex enclosure:

7L/90Hz, -3dB=118Hz, BRD=60mm/90mm long
 15L/77Hz, -3dB=84Hz, BRD=70mm/65mm long



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