


15N630

Neodymium Ultra Low Distortion Woofer

Neodymium series



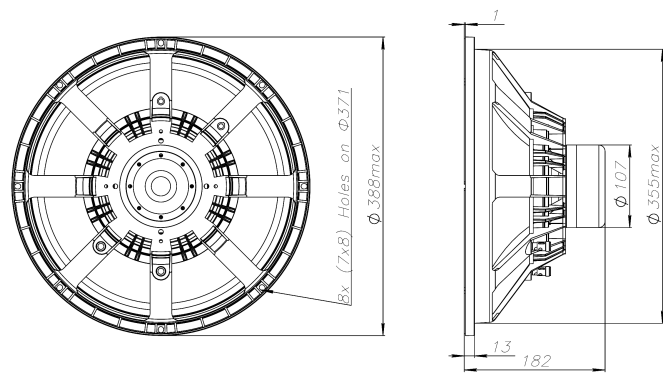


Features:

- 98dB sensitivity 1W/1m
- 600W Power handling
- Extremely light weight of 4.3 kg
- 3" 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 subwoofers

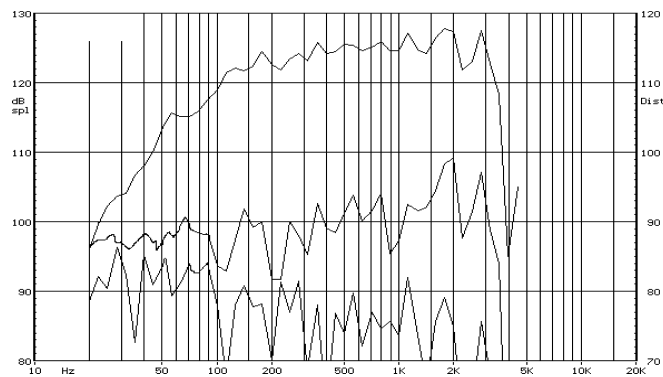
SPECIFICATIONS

APPLICATION	Subwoofer	
Nominal impedance	Ohm	8
Power handling AES noise	W	600
Sensitivity (1W/1m)	dB	98
Frequency response	Hz	35 - 2500
Voive coil diameter	mm	77 (3")
Voice coil material		Cu
Voice coil winding depth	mm	26
Magnet gap depth	mm	10
Basket		Cast Aluminium
Effect. diaphragm diameter D	mm	335

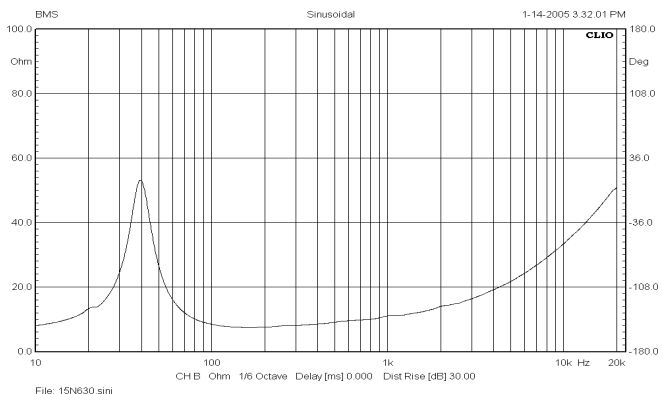


THIELE - SMALL PARAMETERS			
Resonance frequency	Fs	Hz	39
DC resistance	Re	Ohm	5.90
Mechanical Q factor	Qms		6.74
Electrical Q factor	Qes		0.36
Total Quality factor	Qts		0.34
Equivalent volume	Vas	L	152
Moving mass	Mms	kg	0.119
Mechanical compl.	Cms	mm/N	0.140
BL factor	BL	Tesla m	21.76
Effective piston area	Sd	m ²	0.0880
Max. linear excursion	Xmax	mm	± 8
Voice coil inductance	Le1k	mH	1.46
	Le10k	mH	0.52

Frequency response measured 100W (28.3V) at 1m in a closed enclosure of 100 litre in an anechoic chamber incl. 2nd and 3rd harmonic distortion raised 20dB.



MOUNTING INFORMATION		
Overall diameter	mm	388
Mounting holes diameter	mm	8 x (7 x 8)
Bolt circle diameter	mm	371
Baffle cut-out diameter	mm	358
Overall depth	mm	182
Net weight	kg	4.3



Recommended reflex enclosure:

90L/43Hz, -3dB=44Hz, BRD=150mm/187mm long

Neodymium Cone Drivers