15CN890

15” Neodymium Triaxial Point Source

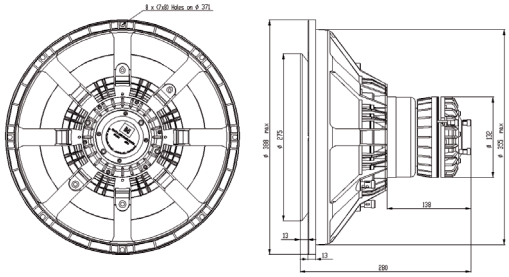
Features:

- 98 dB Sensitivity 1 W / 1 m
- 1000 W + 150 W + 80 W Power Handling
- Single Point Source providing coherent Wave Front
- 90° x 60° Waveguide
- Optimal for compact 3-way Systems

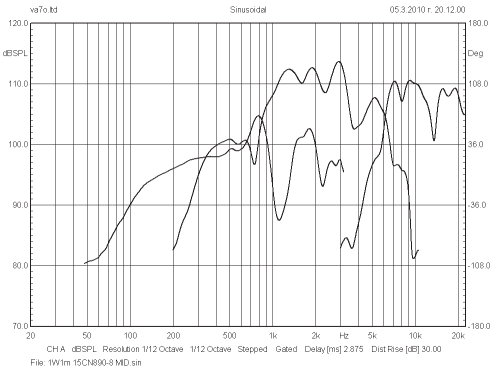
SPECIFICATIONS

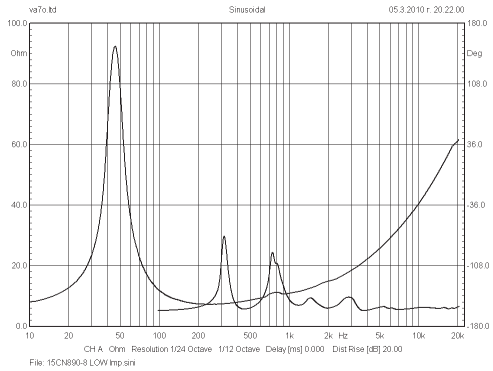
APPLICATION		3-way Transducer	
Nominal Impendance:		Ohm	8 / 8 or 16
Power handling AES noise:		W	1000
LOW FREQUENCY			
Sensitivity (1 W / 1 m):		dB	98
Frequency response:		Hz	40 - 22000
Voice Coil Diameter:		mm	101.6 (4”)
Voice Coil Winding Depth:		mm	22
Magnet Gap Depth:		mm	10
Voice Coil Material:			Cu
Basket:			Cast Aluminum
Effect. diaphragm diameter D:		mm	320
THIELE - SMALL PARAMETERS			
Resonance Frequency:	Fs	Hz	46
DC Resistance:	Re	Ohm	5.70
Mechanical Q Factor:		Qms	3.5
Electrical Q Factor:		Qes	0.30
Total QualityFactor:		Qts	0.27
Equivalent Volume:	Vas	L	102
Moving Mass:	Mms	kg	0.106
Mechanical Complience:	Cms	mm / N	0.113
BL Factor:	BL	Tesla m	24.28
Effective Piston Area:	Sd	m²	0.0804
Max. linear Excursion:	Xmax	mm	+/- 6
Voice Coil Inductance:	Le1k	mH	0.8
	Le10k	mH	0.56

SPECIFICATION HIGH / MIDDLE FREQUENCY		
Middle range (AES):	W	150
Peak Power:	W	1000
High range (AES):	W	80
Peak Power:	W	320
Sensitivity (1 W / 1 m):	dB	113
Middle Frequency range:	Hz	700 - 7000 Hz
High Frequency range:	Hz	6000 - 22000
Recommended Crossover:	Hz	800, 6300
Voice Coil Diameter:	mm	44.4 (1.75”) high
		90 (3.5”) middle
Magnet Material:		Neodymium
Flux Density:	T	2.0
Voice Coil Material:	Copper Clad Aluminum	
	(2 layers in and outside the VC)	
Voice Coil Former:	Kapton™	
Diaphragm Material:	Polyester	



Frequency response measured 1W (2.38V) at 1 m in a closed enclosure of 80 liter.





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	280
Net Weight:	kg	8.95