SISTEMAS de SAIDA de AUDIO para AUTOMÓBIL

Xullo Xermade

Altofalantes para automóbil

CAFI

Compostela 2013

Xornadas de Transporte e mantemento de vehículos

VIETA CAR

Altavoz Coaxial de 2 Vias
6" 1/2 (165 mm)
Tweeter de 20 mm
Potencia continua admisible : 60W (RMS)
Potencia máxima admisible : 225W
Impedancia:
4 ohms
Respuesta en frecuencia:
75Hz - 20kHz
Sensibilidad:
87 dB
Profundidad de montaje:
68,5 mm

Coaxial

Impact KX 692
Coaxial 6 x 9”
Frequency range:
20 ÷22.000 Hz
RMS/Peak Power:
100/180 W
Speaker cone:
LPF Laminated Paper Fiber
Tweeter: Silk Dome

6x9

Impact XT 3 Neo

Tweeter a compressione con cupola in Titanio da 25 mm

Neodymium magnet

Frequency range: 5.000 ÷ 22.000 Hz

RMS Power: 110 W

Peak Power: 160 W

Voice Coil: 25 mm

Impedance: 4 Ohm

Resonance frequency: 3000 Hz

Sensitivity: 100 dB

Suggested X-over: 5.000 Hz 18 dB/oct

Tweeter

Impact XT 2 Neo

Tweeter a compressione
cupola in Titanio da 25 mm
Neodymium magnet
Frequency range:
5.000 ÷ 22.000 Hz
RMS Power: 100 W
Peak Power: 150 W
Voice Coil: 25 mm
Impedance: 4 Ohm
Resonance frequency:
3500 Hz
Sensitivity: 100 dB
Suggested X-over: 6.000 Hz
18 dB/oct

Tweeter

CORAL MT25	neodymium tweeter
Power	250 watt max 100 watt nominal
Nominal impedance	4 ohm
Frequency range	2500-20000 hertz
Sensitivity (2.83 V / 1 m)	92 dB
Dimensions	49 mm external diameter 26 mm voice coil diameter

Tweeter

Impact XT 12-22 B1
Subwoofer
da 320 mm
Frequency range:
20 ÷ 200 Hz
RMS/Peak Power:
1.200/2.500 W
Voice Coil: 75 mm
Impedance:
2 x 2 Ohm

Subwoofer

Woofer de 12” (305 mm)
Potencia continua admisible : 250W (RMS)
Potencia máxima admisible : 600W
Impedancia:
4 ohms
Sensibilidad:
86 dB
Profundidad de montaje:
142,7 mm

Woofer

Dual Voice Coil

SVC (Single Voice Coil):
One layer of wire wrapped around the former
One set of speaker terminals
Wired at the impedance of the voice coil

DVC (Dual Voice Coil): Two layers of wire wrapped around the former
Two sets of speaker terminals
Multiple wiring options at different impedances

DVC

Technical Specifications

Component		2 way Coaxial
Size mm	Woofer Tweeter	165 (6"1/2) 20 (3/4")
Power Handling	W peak W continuous	200 100
Impedance	Ω	4
Frequency response	Hz	50 ÷ 22k
Sensitivity	dB/SPL	92
Crossover	Integrated	4 kHz @ 6 dB Oct.
Outer Ø	mm	167
Mounting Ø	mm	146
Total depth	mm	86
Mount. depth	mm	69
Magnet size	mm	85
Weight of one speaker	kg	1,17
Voice coil Ø	mm	30

Electro-Acoustic Parameters

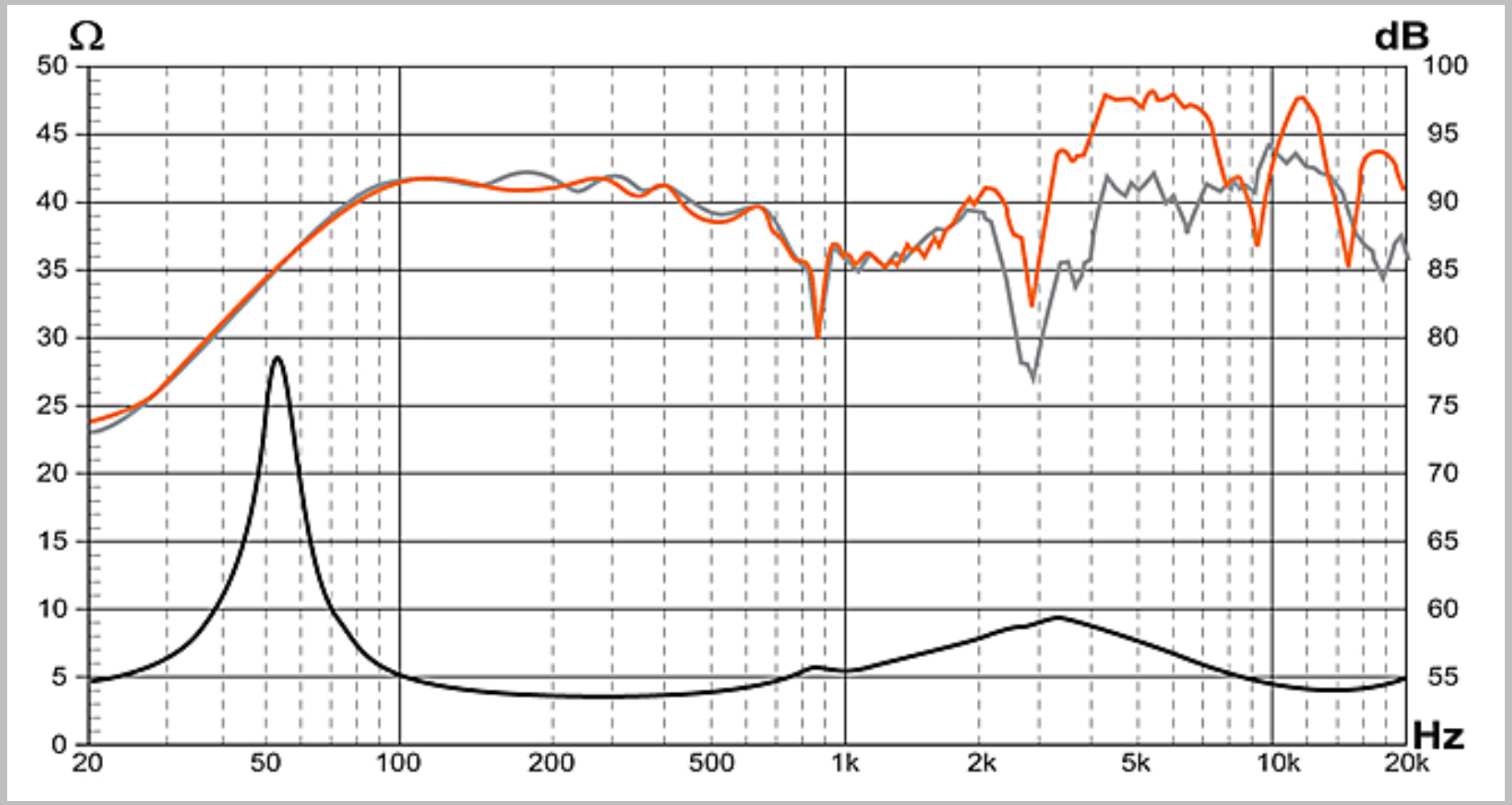
D	mm	130
Xmax	mm	3
Re	Ω	3,0
Fs	Hz	70
Le	mH@1kHz	0,26
Le	mH@10kHz	-
Vas	l	8,00
Mms	g	13,5
Cms	mm/N	0,32
BL	T-m	6,00
Qts		0,60
Qes		0,65
Qms		9,00
(1m/2,83V)	dB	92

COAX

HI energy

HCX 165

200 Watt



Technical Specifications

Component		Subwoofer
Size	mm	250 (10")
Power Handling (Watt)	peak continuous program	900 450
Impedance	Ohm	4
Frequency response	Hz	34 - 800
Sensitivity	dB/SPL	89
Outer diameter	mm	268
Mounting hole diameter	mm	234
Magnet size	mm	190
Total depth	mm	178
Mounting depth	mm	150
Total driver displacement	l	2,0
Weight of one component	Kg	9,5
Voice coil diameter	mm	65
Magnet	Double magnet, High density flux ferrite	
Cone	Polypropylene with Mica injection	
Xmech*	mm	23

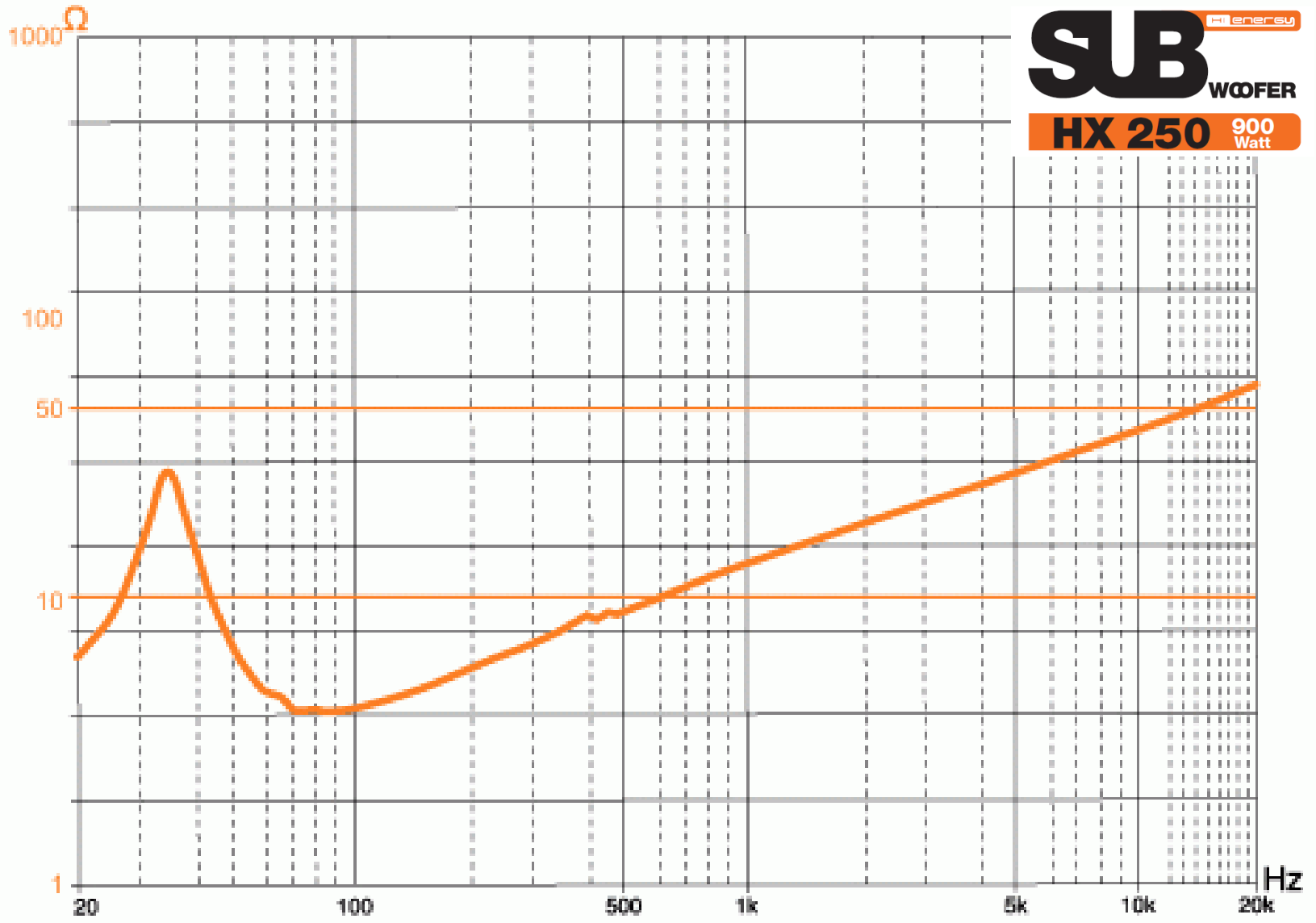
Xmech* maximum mechanic excursion: it indicates the motion range in the speaker linear functioning area, in both ways.

SUB Hi energy WOOFER

HX 250 900 Watt

Electro-Acoustic Parameters

D	mm	210
Xmax	mm	14
Re	Ohm	2,9
Fs	Hz	37
Le	mH@1kHz	1,79
Le	mH@10kHz	0,57
Vas	l	24,04
Mms	gr	129,3
Cms	mm/N	0,14
BL	T-m	13,16
Qts		0,44
Qes		0,49
Qms		4,70
Spl (1m/2,83V)	dB	89


SUB
Hi energy
WOOFER
HX 250
900
Watt
1000 Ω
100
50
10
1
20
100
500
1k
5k
10k
20k
Hz

Technical Specifications

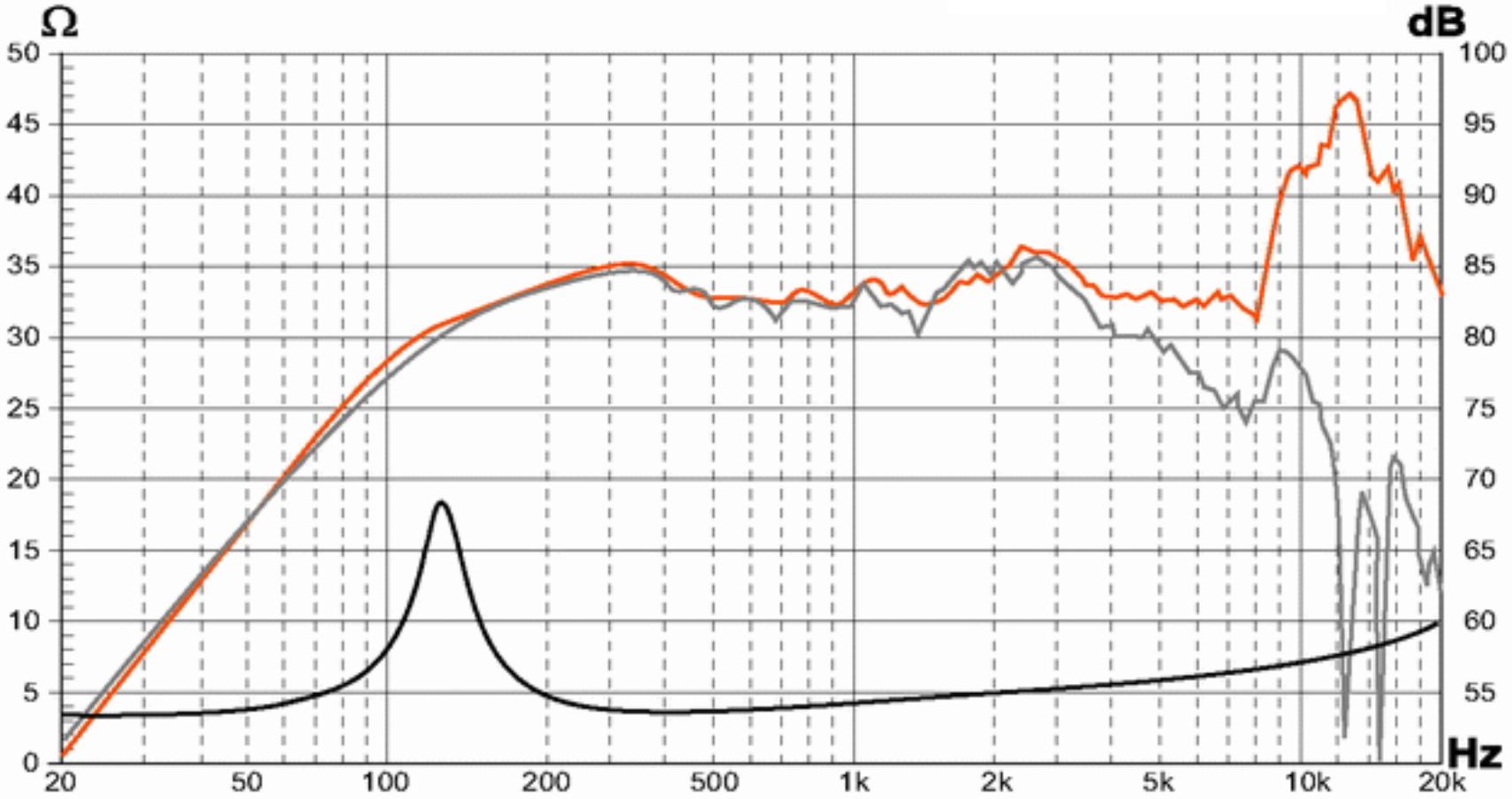
Component		Full range
Size	mm	70 (3")
Power Handling	W peak W continuous	100 50
Impedance	Ω	4
Frequency response	Hz	200 ÷ 14k
Sensitivity	dB/SPL	92
Outer Ø	mm	88
Mounting Ø	mm	73
Total depth	mm	44
Mount. depth	mm	38
Magnet size	mm	40
Weight of one speaker	kg	0,17
Voice coil Ø	mm	20

Electro-Acoustic Parameters

D	mm	60
Xmax	mm	2
Re	Ω	3,0
Fs	Hz	155
Le	mH@1kHz	0,13
Le	mH@10kHz	0,06
Vas	l	0,33
Mms	g	3,1
Cms	mm/N	0,34
BL	T-m	2,95
Qts		0,95
Qes		1,00
Qms		9,80
Spl (1m/2,83V)	dB	92

HL 70 — 100 Watt

HL 70



GRACIAS POLA ATENCIÓN