



Product News April 2013

Extended Low Frequency Cone Driver

BMS extends its range of ultra low distortion drivers. The new 18S450 is a very high excursion, high power 18" for use in high output subwoofers.

BMS-18S450

18" ultra low distortion woofer

Features:

Power Handling AES noise: 1200 W
Sensitivity (1W/1m): 95 dB
Frequency response: 20 - 200 Hz
Voice coil diameter: 4" (101.6 mm)
Max. linear excursion: $X_{max} \pm 12$ mm



Thiele-Small Parameters

Resonance Frequency	Fs	Hz	29
DC Resistance	Re	Ohm	5.5
Mechanical Q Factor	Qms		7.25
Electrical Q Factor	Qes		0.32
Total Quality Factor	Qts		0.31
Equivalent Volume	Vas	L	281
Moving Mass	Mms	kg	0.224
Mechanical Compliance	Cms	mm / N	0.134
BL Factor	BL	Tesla m	26.5
Effective Piston Area	Sd	m ²	0.1213
Max. linear Excursion	Xmax	mm	± 12
Voice Coil Inductance	Le1k	mH	1.1
	Le10k	mH	0.58

Recommended reflex enclosure:

140 l / 32 Hz, BRD = 200 mm / 502 mm long

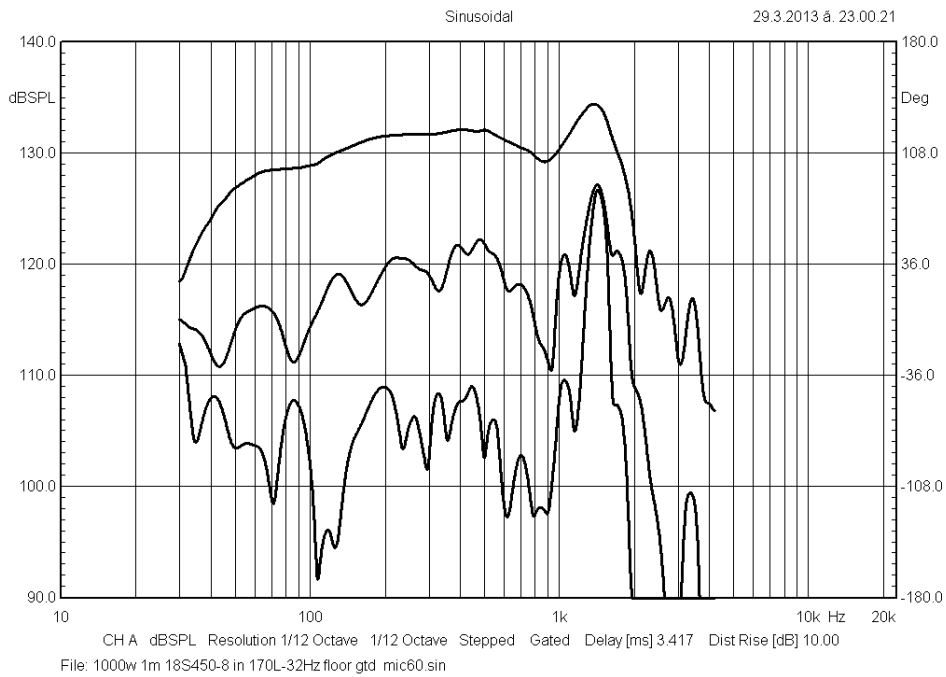
Mounting Information

Overall diameter	mm	458
Mounting holes diameter	mm	8 x 8.5
Bolt circle diameter	mm	440
Baffle cut-out diameter	mm	414
Overall depth	mm	233
Net weight	kg	14.5



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Frequency Response measured 1000 W (89.4 V) 1 m in a vented box of 170 l tuned 32 Hz incl. 2nd and 3rd harmonic distortion raised 10 dB.



Impedance – 8 Ohm woofer

