

SUB ENERGY

WOOFER

ES F20.5 400 W



ULTRA flat

Technical Specifications

Component	Subwoofer	
Size	mm (inch)	200 (8")
Power handling W	peak	400
	cont. program	200
Impedance	Ω	4
Frequency response	Hz	32 ÷ 400
Sensitivity	dB/SPL	93
Outer Diameter	mm (inch)	209 (8" 1/4)
Mounting Diameter	mm (inch)	180 (7" 1/16)
Total Depth	mm (inch)	86 (3" 3/8)
Mounting Depth	mm (inch)	70 (2" 3/4)
Magnet size	mm (inch)	120 (4" 3/4)
Total Driver Displacement	l (ft³)	0,4 (0,018)
Weight of one component	kg (lb)	2,4 (5,28)
Voice Coil Diameter	mm (inch)	38 (1" 1/2)
Magnet	High density flux ferrite	
Cone	Water repellent pressed paper	
*X-mech	mm (inch)	12 (1/2")

* Xmech: maximum mechanic excursion; indicates the maximum linear motion range of the speaker in both directions.

Electro-Acoustic Parameters

D	mm	166
Xmax	mm	5
Re	Ohm	2,9
Fs	Hz	54
Vas	l	11,8
Mms	g	49,2
Cms	mm/N	0,18
BL	T m	10,6
Qts		0,40
Qes		0,42
Qms		6,88
Spl	dB	93

1. Ultra Flat design, for maximum installation flexibility.
2. Massive motor assembly, for perfect control under high power, high excursion conditions.
3. Water-repellent pressed paper cone.
4. Copper voice coil, wound on aluminium former, for startling thermal and mechanical capacity.
5. Back Vented Spider support, for perfect symmetry under high excursion and thermal dissipation.
6. Wide-wave, resin-bonded fiber spider for mechanical reliability and consistent parameters.
7. High current, tin-plated terminals.
8. Silver plated lead wires for maximum reliability and conductivity.
9. Basket and motor coupled and damped through special epoxy glue.
10. High thermal dissipation and magnetic permeability plates, providing constant, even flux.

