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# SUB energy WOOFER

## ES 200 400 Watt

### Technical Specifications

<b>Component:</b>	Subwoofer	
<b>Size</b>	mm	200 (8")
<b>Power Handling (Watt)</b>	peak	400
	continuous program	200
<b>Impedance</b>	Ohm	4
<b>Frequency response</b>	Hz	30 - 400
<b>Sensitivity</b>	dB/SPL	87
<b>Outer diameter</b>	mm	216
<b>Mounting hole diameter</b>	mm	181
<b>Magnet size</b>	mm	120
<b>Total depth</b>	mm	121
<b>Mounting depth</b>	mm	106
<b>Total driver displacement</b>	lit	0,9
<b>Weight of one component</b>	Kg	3,680
<b>Voice coil diameter</b>	mm	50
<b>Magnet</b>	Double magnet, High density flux ferrite	
<b>Cone</b>	Water repellent, pressed paper cone	
<b>Xmech*</b>	mm	14,5

### Electro-Acoustic Parameters

<b>D</b>	mm	165
<b>Xmax</b>	mm	9
<b>Re</b>	Ohm	2,9
<b>Fs</b>	Hz	33
<b>Le</b>	mH@1kHz	2,76
<b>Le</b>	mH@10kHz	1,10
<b>Vas</b>	lit	16,00
<b>Mms</b>	gr	93,0
<b>Cms</b>	mm/N	0,25
<b>BL</b>	T-m	10,21
<b>Qts</b>		0,49
<b>Qes</b>		0,53
<b>Qms</b>		7,00
<b>Spl (1m/2,83V)</b>	dB	87

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



- 1 High thermal dissipation and magnetic permeability plates, providing constant, even flux.
- 2 Large double magnet, for perfect control under high power, high excursion conditions.
- 3 Copper voice coil, wound on aluminium former, for startling thermal and mechanical capacity.
- 4 Back plate vent holes, for very good thermal dissipation.
- 5 Back Vented Spider support, for perfect symmetry under high excursion and thermal dissipation.
- 6 Butyl rubber gasket provides ideal coupling to the mounting surface, damping basket resonance.
- 7 Butyl rubber magnet ring provides protection against abrasions.
- 8 Internally reinforced basket, protected from abrasions by high resistance paint.
- 9 High current, tin-plated terminals.
- 10 Silver plated silicone shielded lead wires for maximum reliability and conductivity.
- 11 Basket and motor coupled and damped through special epoxy glue.
- 12 Wide-wave, resin-bonded fibre spider for mechanical reliability and consistent parameters.
- 13 High density Foam surround, for linear movement even under high excursion conditions.
- 14 Water-repellent pressed paper cone.

