

Hi energy

HGX 100

100 watt

Technical Specifications

Component	2W Coaxial	
Size	mm	Woofer 100mm (4") Tweeter 20mm (3/4")
Power Handling (Watt)	peak continuous program	100 50
Impedance	Ohm	4
Frequency response	Hz	70-22k
Sensitivity	dB/SPL	90
Outer diameter	mm	100
Mounting hole diameter	mm	91
Magnet size	mm	80
Total depth	mm	55
Mounting depth	mm	49
Weight of one component	kg	0,670
Voice coil diameter	mm	25

Electro-Acoustic Parameters

D	mm	82
Xmax	mm	3
Re	ohm	2,9
Fs	Hz	120
Le	mH@1kHz	0,43
Le	mH@10kHz	0,08
Vas	lit	1,20
Mms	gr	5,2
Cms	mm/N	0,32
BL	T-m	4,40
Qts		0,58
Qes		0,61
Qms		11,90
Spl (1m/2,83V)	dB	90



1. Soft iron plates for high heat dissipation; they are part of a motor designed to insure symmetrical magnetic flux.
2. Over-sized magnet; it provides necessary energy for mobile voice coil control.
3. Very thick copper voice coil, wound on kapton former, for very good thermal and mechanical capacity.
4. Polypropylene cone with mica injection.
5. DIN size basket protected from abrasion and corrosion.
6. Gold-plated, high current terminals.
7. Lead wires plastic support with silicone; it can stand hard mechanical stress.
8. High density, double wave rubber surround; it insures mobile voice coil long, linear excursion.
9. Basket and motor are coupled and damped through special epoxy glue.
10. Wide-wave, resin-bonded fibre spider insures mechanical reliability and lasting, constant parameters.
11. Tweeter is connected inside the voice coil in order to prevent cone unbalancing.
12. Tetolon® dome neodymium tweeter with 20mm voice coil.

