

HI ENERGY

HV 100

100 watt

Technical Specifications

Component	Woofers	
Size	mm	100 (4")
Power Handling (Watt)	peak	100
	continuous program	50
Impedance	Ohm	4
Frequency response	Hz	75-10k
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	0,638
Voice coil diameter	mm	25



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. Vented bottom plate; it improves excursion linearity and thermal dissipation.
5. Polypropylene cone with mica injection.
6. Central phase plug; it insures flat off-axis response.
7. DIN size basket protected from abrasion and corrosion.
8. Gold-plated, high current terminals.
9. Lead wires plastic support with silicone; it can stand hard mechanical stress.
10. High density, double wave rubber surround; it insures mobile voice coil long, linear excursion.
11. Basket and motor are coupled and damped through special epoxy glue.
12. Wide-wave, resin-bonded fibre spider insures mechanical reliability and lasting, constant parameters.

HERTZ

Electro-Acoustic Parameters

D	mm	82
Xmax	mm	3
Re	ohm	2,9
Fs	Hz	97
Le	mH@1kHz	0,43
Le	mH@10kHz	0,18
Vas	lit	1,60
Mms	gr	6,6
Cms	mm/N	0,40
BL	T-m	4,90
Qts		0,47
Qes		0,49
Qms		8,70
Spl (1m/2,83V)	dB	90

