

HI ENERGY

HV 165

200 watt

Technical Specifications

Component	Woofer	
Size	mm	165 (6 ^{11/2})
Power Handling (Watt)	peak	200
	continuous program	100
Impedance	Ohm	4
Frequency response	Hz	50-5,5k
Sensitivity	dB/SPL	92
Outer diameter	mm	166
Mounting hole diameter	mm	141
Magnet size	mm	90
Total depth	mm	72
Mounting depth	mm	67
Weight of one component	kg	1,115
Voice coil diameter	mm	30

Electro-Acoustic Parameters

D	mm	128
Xmax	mm	3
Re	ohm	2,9
Fs	Hz	75
Le	mH@1kHz	0,57
Le	mH@10kHz	0,24
Vas	lit	9,20
Mms	gr	11,3
Cms	mm/N	0,40
BL	T-m	4,90
Qts		0,61
Qes		0,64
Qms		10,00
Spl (1m/2,83V)	dB	92



WOOFER

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.

