

COAX energy

ECX 100 80 Watt



Technical Specifications

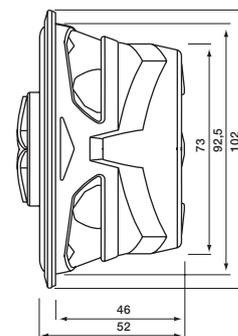
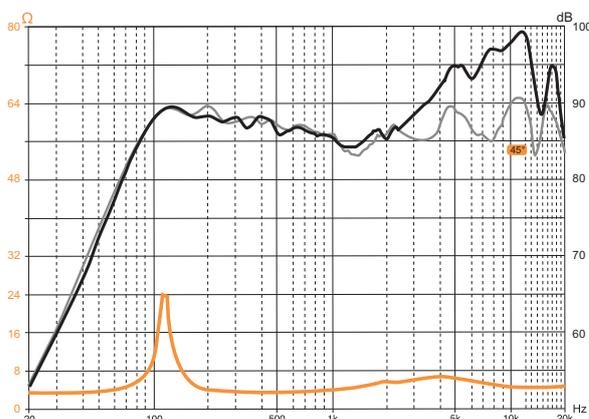
Component:	2W Coaxial	
Size	mm	Woofer 100 (4") Tweeter 20 (3/4")
Power Handling (Watt)	peak continuous program	80 40
Impedance	Ohm	4
Frequency response	Hz	70 - 23K
Sensitivity	dB/SPL	88
Outer diameter	mm	102
Mounting hole diameter	mm	95
Magnet size	mm	75
Total depth	mm	60
Mounting depth	mm	46
Weight of one component	Kg	0,573
Voice coil diameter	mm	25

- 1 Low carbon content plates for maximum magnetic permeability and high heat dissipation.
- 2 Large motor assembly provides excellent voice coil control.
- 3 Pure copper voice coil wound on aluminium former, for very good thermal and mechanical capacity.
- 4 Water-repellent treated paper cone.
- 5 DIN size basket coated with scratch-proof, corrosive-resistant material.
- 6 Tin-plated, high current terminals.
- 7 Silver-plated lead wires for maximum reliability and conductivity.
- 8 High density rubber surround, glued with heat-resistant adhesive.
- 9 Epoxy glue for basket and motor system provides perfect coupling.
- 10 Curve memory Nomex spider for consistent, reliable performance.
- 11 Tetolon dome tweeter with high energy REN Neodymium magnet; the highest possible efficiency in a coaxial speaker with excellent off-axis dispersion and high frequency extension.
- 12 RHFC™, Rotary High Frequency Contour; adjustable for perfect off-axis dispersion and frequency response. Incredible high frequency performance from any listening position.



Electro-Acoustic Parameters

D	mm	84
Xmax	mm	2
Re	Ohm	3,0
Fs	Hz	121
Le	mH@1kHz	0,42
Le	mH@10kHz	0,06
Vas	lit	1,20
Mms	gr	6,6
Cms	mm/N	0,26
BL	T-m	3,8
Qts		0,9
Qes		0,95
Qms		7,5
Spl (1m/2,83V)	dB	88



energy

New ENERGY: Raw power, refined style

ENERGY loudspeakers are the result of the HERTZ team's long experience and continuous research into automobile acoustics, as well as the deep knowledge of installation procedures. Their advanced engineering has been successfully combined with refined cosmetics to match with their high efficiency, stunning dynamics and musical accuracy. The 18 different components are the perfect way to ensure effortless reproduction in the most demanding situations. Add a powerful amplifier; the excellent timbre and high power handling make ENERGY the ideal choice for every system.

COMP

ENERGY woofers ensure excellent acoustic quality, thanks to a powerful and symmetrical motor structure and to the pressed paper "V" cone. The DIN size basket and the compact size make it easy to install in almost every factory OEM location. With the EV 165L, the long throw voice coil design and water repellent non-pressed paper cone provide deep, tight bass output.



ULTRA flat

EM 100 midrange: with its small size and shallow depth it can be installed in locations that would have been deemed impossible until now. The perfect addition ensuring excellent acoustic quality in challenging locations.



Compact SIZE

ET 20 is a revolutionary tweeter with Tetolon dome; its unique design was conceived to ensure state-of-the-art performance in the smallest space. The provided mounting hardware allows easy installation in the most challenging locations.



CX 200 and **CX 300** ENERGY system crossovers feature an aggressive, cosmetically appealing housing which protects the efficient, refined network: easy installation, reference acoustical performance in the mobile environment and the utmost reliability.



COAX

ECX ENERGY COAX feature the world renowned Tetolon dome tweeter with built-in crossover. Off-axis response can be controlled with the proprietary RHFC™ technology. ECX 87 has an excellent dome-cone tweeter with built-in crossover. In addition to this, ECX 690 has a Mylar supertweeter to ensure the best possible efficiency and high frequency extension. No other coaxial components can ensure the outstanding sound linearity, off-axis response and timbre quality of ENERGY loudspeakers.



SUB

ENERGY ES subwoofers were designed to work best when used in small enclosures. However, their electro-acoustic parameters are optimised for use in many different enclosure types; both in terms of typology (sealed box, reflex, bandpass, etc.) and in size, ensuring extraordinary versatility and performance. The use of a long excursion mobile voice coil and a high flux density double magnet have created subwoofers that can stand very high power with outstanding musicality and bursting dynamics. The special finish and butyl rubber rings offer protection along with an aggressive look.



Refined style