

# COMP ENERGY

## EM 100 150 Watt



### Technical Specifications

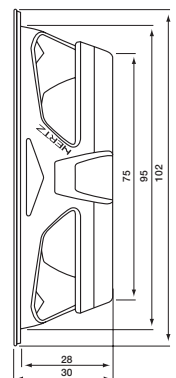
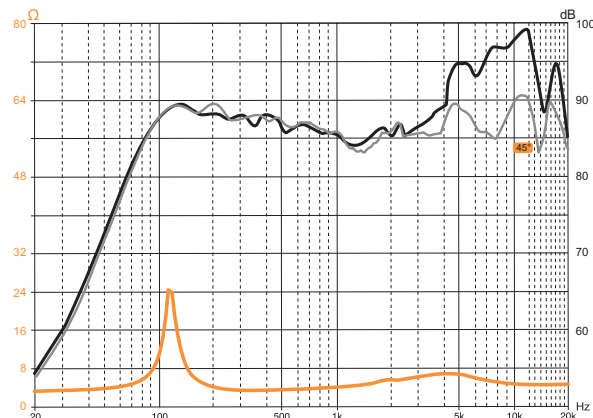
Component:	Cone Midrange	
Size	mm	100 (4")
Power Handling (Watt)	peak	150
	continuous program	75
Impedance	Ohm	4
Frequency response	Hz	400 - 14,5k
Sensitivity	dB/SPL	90
Outer diameter	mm	102
Mounting hole diameter	mm	95
Magnet size	mm	58
Total depth	mm	33
Mounting depth	mm	28
Weight of one component	Kg	0,236
Voice coil diameter	mm	25

- 1 Low carbon content plates for maximum magnetic permeability and high heat dissipation.
- 2 REN Neodymium magnet and central T-Pole, for a perfectly symmetrical field; maximum energy using minimum space.
- 3 Pure copper voice coil wound on Til former, for very good thermal and mechanical capacity.
- 4 Pure copper covered pole piece, for linear impedance and best acoustic performance for mid-high frequencies.
- 5 Water-repellent treated paper cone.
- 6 "V" cone, for the best off-axis response and clear mid-high frequency detail.
- 7 DIN size basket coated with scratch-proof, corrosive-resistant material.
- 8 Tin-plated, high current terminals.
- 9 Silver-plated lead wires, for maximum reliability and conductivity.
- 10 Flat foam surround, for linear mid frequency response and larger radiating surface.
- 11 Epoxy glue for basket and motor system provides perfect coupling.
- 12 Curve memory Nomex spider for consistent, reliable performance.



### Electro-Acoustic Parameters

D	mm	88
Xmax	mm	0,5
Re	Ohm	3,52
Fs	Hz	163,6
Le	mH@1kHz	0,33
Le	mH@10kHz	0,07
Vas	lit	1,29
Mms	gr	3,84
Cms	mm/N	0,246
BL	T-m	2,39
Qts		1,669
Qes		2,43
Qms		5,33
Spl (1m/2,83V)	dB	90



## 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