



### SPECIFICATIONS:

- Basket: Machined die-cast aluminum
- Magnet: Ferrite
- Phase Plug: solid aluminum machined
  - Coil: copper, 32mm diameter, aluminum alloy VC former
- Spider: Nomex, electrically treated, high pressure stamped
- Suspension: butyl rubber
- Diaphragm: Micro-woven carbon-fiber, treated, damping ring

Power handling: 120Watt RMS | 240Watt Max.  
Impedance: 4 ohm  
Efficiency: 94dB

### ACUSTICAL BEHAVIOR:

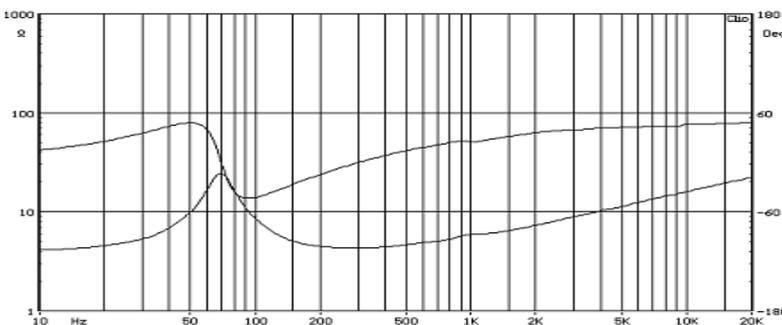
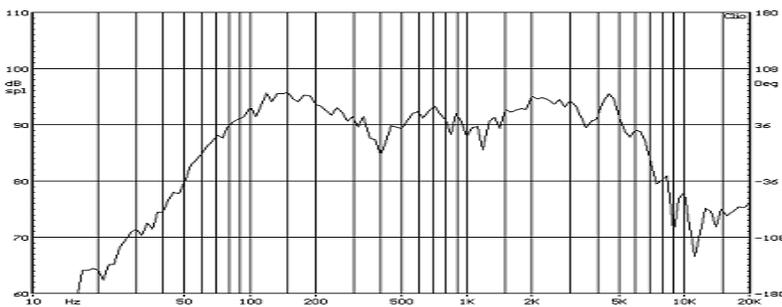
Balanced and natural, its sound remains coherent throughout the range, never exceeded, despite the extraordinary airiness. Fast and ready by "modern" music programs, as well great while reproducing the innumerable details of jazz and classical. The lightweight carbon-fiber cone responds immediately to even the mild solicitation, revealing thin details as if a pure midrange can do. The bass in fact, has nothing to envy to those of larger diameters: full, round, especially when installed in specific volumes.

### INSTALLATION ADVICES:

The WFA 165 is perfect for Sound-Quality three-way systems fitting, especially coupled to the tweeter TWA26 and MDA87neo or MDA100 neo

Due to the exponential-shaped diaphragm and the phase plug, does not suffer from the install off-axis limits, it performs great linearity even in wide positions of the polar-response graph, while minimizing need of x-over corrections.

The WFA 165 got necessary specifications to ensure exemplary performance both in doors position or "unusual" place as dashboard.



MANUFACTURER : ARTEA-n  
 MODEL : 9046-1  
 D : 130.00 [ mm ]    Res : 3.70 [ Ω ]    F<sub>s</sub> : 68.86 [ Hz ]  
 Q<sub>es</sub> : 3.71    Q<sub>ms</sub> : 0.70    Q<sub>ts</sub> : 0.59  
 M<sub>ms</sub> : 14.14 [ g ]    C<sub>ms</sub> : 0.38 [ mN ]    U<sub>as</sub> : 5.29 [ V ]  
 B<sub>1</sub> : 5.67 [ N/A ]    L<sub>1K</sub> : 0.69 [ nH ]    L<sub>10K</sub> : 0.23 [ nH ]

2 Way Passive crossover: we recommend High-Pass 6dB @60Hz Low-Pass 6/12dB @ 5000Hz.

Best results with **X2-01 Proaudio** Crossover.

2 Way Passive crossover: we recommend High-Pass 6dB @60Hz Low-Pass 6/12dB @ 500Hz.

Best results with **X2-02 Proaudio** Crossover.

WFA165 A: 147mm, B: 71mm

