TC9044L-36
COMPRESSION DRIVER

KEY FEATURES

- Middle 109dB & High 113dB 1W/1m sensitivity
- 1.4in horn throat diameter
- 120W & 60W AES power handling
- 300Hz-18kHz frequency response
- 88.9mm (3.5in) & 44.4mm (1.7in) copper clad aluminum voice coil
- Polymer diaphragm
- Neodymium inside slug magnetic structure
- Suitable for compact two way systems and multi-way systems

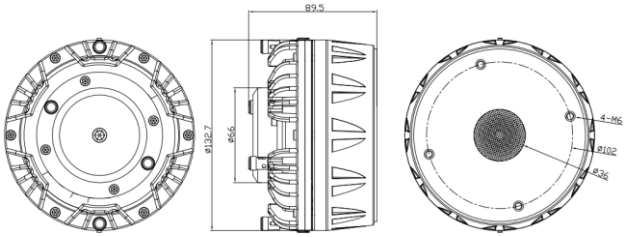
GENERAL SPECIFICATIONS[1]

Part Number	TC9044L-36
Throat Diameter	36mm (1.4in)
Nominal Impedance	Middle:8Ω
	High:8Ω
Minimum Impedance	Middle:5.0Ω at 3500Hz
	High:7.0Ω at 11000Hz
AES Power Handling[2]	Middle:120W above 400Hz
	High:60W above 6300kHz
Maximum Power Handling[3]	Middle:240W above 500Hz
	High:120W above 7000Hz
Sensitivity (1W/1m)[4]	Middle:109dB
	High:113dB
Recommended Crossover[5]	400Hz
Middle/High Crossover[5]	6300Hz
Frequency Range	Middle:300Hz-7000Hz
	High:6000Hz-18000Hz
Voice Coil Diameter	Middle:88.9mm
	High:44.3mm
Winding Material	Middle&High:Copper Clad Aluminum (2 layers in and outside)
Former Material	Middle&High:Kapton
Flux Density	Middle:1.9T
	High:1.9T
Diaphragm Material	Middle&High:Polymer
Phase Plug Material	Middle:Plastic
	High:Aluminum
Cover Material	Cast Aluminum
Magnet Material	Middle&High:Neodymium
Net Weight	2.6kg

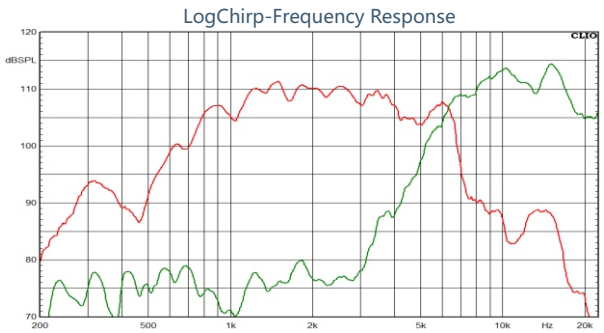
NOTES

1. Driver mounted on 157×148×131H horn.
2. Two hours test according to AES 2-1984 Rev. 2003. Power calculated on rated minimum impedance.
3. Maximum power is defined as 3dB greater than Nominal power.
4. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.
6. Power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

MECHANICAL DRAWING

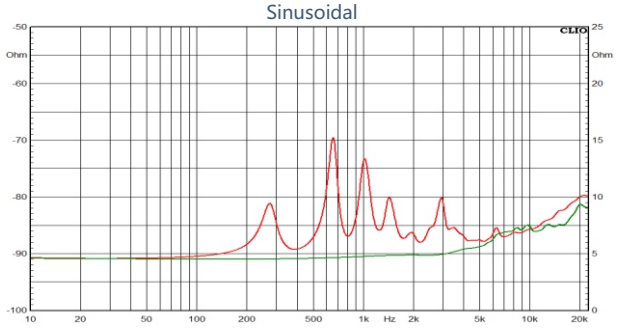


FREQUENCY RESPONSE CURVE



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE



Test conditions: 1W in free air.