

DRIVER N450

Professional High Frequency Transducer

The N450 features 1.75-inch diaphragm with a 1.0 inch exit throat. The diaphragm is precision formed from .05 mm thick pure titanium. The suspension is based on a vented Mylar design. The N450 is a versatile driver for professional applications.

PART NUMBER 15120057

Features

- 1.75-inch Diaphragm, 1.0-inch Exit Throat Titanium Compression Driver
- 100 watt Continuous program power handling
- Frequency range: 1000Hz - 20kHz
- 2-slot, optimized geometry phase plug
- Aluminum rear cover
- Copper inductance ring for extended response
- Vented suspension system

Applications

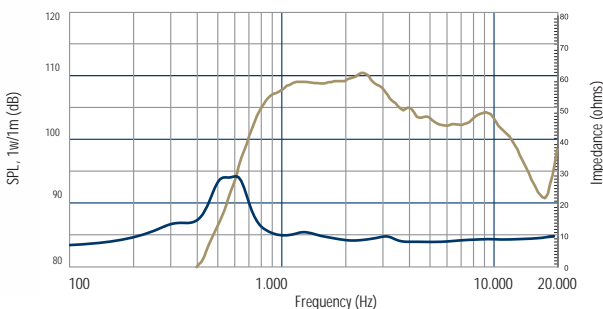
Compact 2-way systems, multiple-way medium throw systems. Flexible and easy to crossover, offer precision and definition combined to a very good power handling for the size. Very good in combination with RCF H100, HF101, HF94, HF64 horns.

General Specifications

Exit Throat Diameter	25.4/1	mm/inch
Rated Impedance	8	ohm
Power handling capacity ¹		
continuous program above 1.2 kHz	100	Watt
AES above 1.5 kHz	50	Watt
Sensitivity 1 W, 1 M, on axis, on horn ²	107	dB
Frequency Range ³	1000 - 20000	Hz
Diaphragm Material	Pure Titanium	
Suspension Material	Mylar	
Suspension Design	Radial	
Minimum Impedance	8.0 ohm at 4000 Hz	
Voice Coil Diameter	44.4/1.75	mm/inch
Voice Coil Material	Edgewound aluminum	
Voice Coil Former Design	Straight -Kapton	
Number of layers	1 - Outside	
BL Factor	6.7	T · m
Flux Density	1.6	T
Phase Plug Design	2 slot	
Phase Plug Material	Composite	
Magnetics	Ceramic	
Voice Coil Demodulation	Copper ring	

Mounting Information

Overall Diameter	134/5.3	mm/inch
Overall Height	70/2.8	mm/inch
2 x 6 mm threaded holes at 180 deg.	76.0/3.0	mm/inch
3 x 6 mm threaded holes at 120 deg.	58.0/2.3	mm/inch
Net Weight	2.8/6.2	kg/Lbs
Shipping Weight	3.1/6.8	kg/Lbs



Frequency response and electrical impedance curve of the compression driver mounted on H100 horn with input signal of 2.83 Volt.

Notes to Specifications

1. Continuous pink noise power ratings are derived from suggested AES standards sending a pink noise signal having a 6 dB crest factor with a high pass filter set at the specified lower limiting frequency for two hours. Continuous program power is a conservative power rating for reproduction of typical audio program material.
2. Sensitivity measurement is based on pink noise signal with input power of 1 watt and measured at 1 meter from the mouth of a horn with a Q of 15 on axis and averaged between 2 and 5 kHz.
3. Frequency range is defined as the measured frequency response: -10dB relative to the rated sensitivity.