

DRIVER ND3020-T3

Professional High Frequency Transducer

The ND3020T3 is a high performance 3.0-inch diaphragm compression driver with a 2 inch exit throat featuring several state of the art technologies. The diaphragm and suspension are precision formed from .05 mm thick pure titanium. The suspension is based on an innovative design using progressive parabolic semi circles.

PART NUMBER 15120009

Features

- 3-inch Diaphragm, 2.0-inch Exit Throat/ Pure Titanium Compression Driver
- 220 watt Continuous program power handling
- Frequency range: 500Hz - 20kHz
- Direct Drive™ Voice Coil Assembly
- 3-slot, optimized geometry phase plug
- Aluminum rear cover featuring an advanced vented fin heat dissipation design
- Copper inductance ring for extended response
- Vented, damped, low distortion, variable profile suspension System

Applications

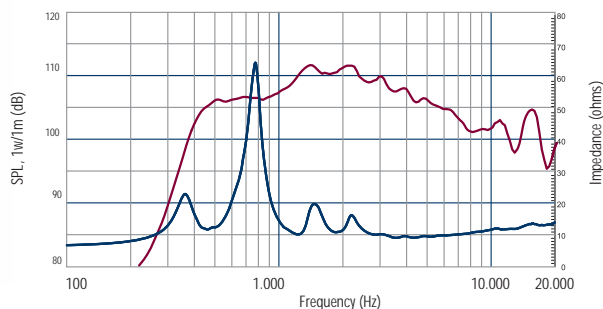
The ND3020-T3 is the ideal driver for professional high performance applications, from high power 2-way systems to multiple-way long throw systems and large format line arrays.

General Specifications

Exit Throat Diameter	50.8/ 2	mm/inch
Rated Impedance	8	ohm
Power handling capacity ¹		
continuous program above 1.2 kHz	220	Watt
AES above 1.0 kHz	110	Watt
Sensitivity 1 W, 1 M, on axis, on horn ²	109	dB
Frequency Range ³	500 - 20000	Hz
Diaphragm Material	Pure Titanium	
Suspension Material	Pure Titanium	
Suspension Design	Progressive	
Minimum Impedance	9.3 ohm at 3700 Hz	
Voice Coil Diameter	74.4/3.0	mm/inch
Voice Coil Material	Edgewound Aluminum	
Voice Coil Former Design	Direct drive - Nomex	
Number of layers	1 - Outside	
BL Factor	13.1	T · m
Flux Density	2.05	T
Phase Plug Design	3 slot	
Phase Plug Material	Aluminum	
Magnetics	Neodymium	
Voice Coil Demodulation	Copper ring	

Mounting Information

Overall Diameter	139/5.5	mm/inch
Overall Height	99.5/3.9	mm/inch
Mounting		
4 x 6 mm threaded holes at 90 deg.	101.6/4.0	mm/inch
Net Weight	3.4/7.5	kg/Lbs
Shipping Weight	3.7/8.1	kg/Lbs



Frequency response and electrical impedance curve of the compression driver mounted on 90°H x 40°V 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.

500

20.000

20

100

1.000

10.000

20.000