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PROFESSIONAL LOUDSPEAKERS
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# CD-314Nd/Ti
## COMPRESSION DRIVER
## Preliminary Data Sheet

## KEY FEATURES

- Next generation high performance 1,4" (36 mm) exit compression driver
- Deplocex® Patent Pending Technology for improved thermal disipation, low power compression losses and high power handling
- 3" (76,2 mm) Copper Clad Aluminum voice coil with Nomex former
- 260 W program power above 1,2 kHz
- Sensitivity: 110 dB (1W / 1m)

- Exclusive Titanium dome and surround desing optimized with F.E.M for linear and extended response with minimized resonances
- Copper shorting cap for reduced distortion, linear inductance and increased output
- Propietary design of metal alloy phase plug with F.E.M optimized geometry and improved assembly design
- F.E.M. optimized high grade neodymium magnetic circuit
- Aluminium cover

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Throat diameter | 36 mm | 1,4 in |
| Rated impedance | | 8 Ω |
| Minimum impedance | | 5,5 Ω |
| D.C. resistance | | 4,4 Ω |
| Power capacity [1] | 90 $W_{AES}$ above 0,8 kHz | |
| | 130 $W_{AES}$ above 1,2 kHz | |
| Program power [2] | 180 W above 0,8 kHz | |
| | 260 W above 1,2 kHz | |
| Sensitivity [3] | 110 dB | 1W / 1m @ $Z_N$ |
| | coupled to TD-385 | |

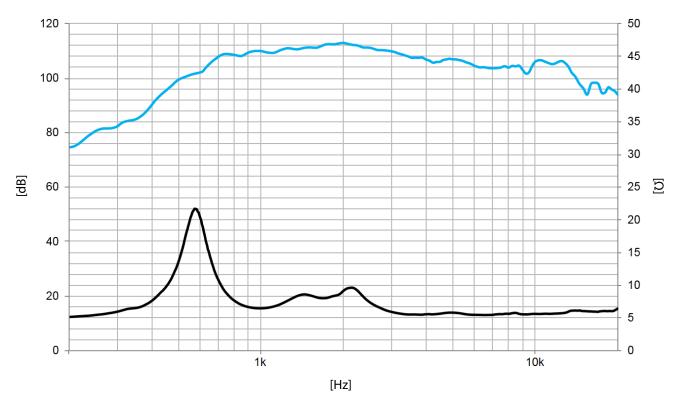| | | |
|---|---|---|
| Frequency range | | 0,6 - 20 kHz |
| Recommended crossover | | 0,8 kHz or higher |
| | | (12 dB/oct min.) |
| Voice coil diameter | 76,2 mm | 3 in |
| Flux density | | 2 T |
| Bl factor | | 10 N/A |

**Notes**:

[1] The power capaticty is determined according to AES2-1984 (r2003) standard.

[2] Program power is defined as the transducer's ability to handle normal music program material.

[3] Sensitivity was measured at 1m distance, on axis, with 1W input, averaged in the range 1 - 7 kHz

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**Note:** On axis frequency response measured coupled to TD-385 horn in anechoic chamber, 1W / 1m

## MOUNTING INFORMATION

| | | |
|---|---|---|
| **Overall diameter** | 109 mm | 4,3 in |
| **Depth** | 50,6 mm | 2 in |
| **Mounting** | Four M6 threaded holes, 90º apart | |
| | on 101,6 mm (4 in) diameter circle | |
| **Net weight** | 1,8 kg | 4 lb |
| **Shipping weight** | 2 kg | 4,4 lb |

## DIMENSION DRAWING



Ø 101,60    M6
Ø 109
50,60

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