

CXN1044

VERIFIED WITH
KLIPPEL

☀️ 10" / 1.75" ☀️ 350w / 50w
☀️ 98 / 106 dB ☀️ 73 ~ 19k Hz



KEY FEATURES:

- ① 700W(LF) +100W(HF) continuous program power capacity
- ② 98dB(LF)+106dB(HF) sensitivity 1w/1m
- ③ 76mm(3") LF inside/outside copper clad aluminum voice coil
- ④ 44mm(1.75") HF edgewound aluminum voice coil
- ⑤ 1" HF driver directly coupled to the pole piece of the woofer provides excellent response in the mid to high frequencies
- ⑥ Neodymium magnet structure for a high force factor and lighter weight
- ⑦ Designed for use as stage monitors or as compact bass reflex systems

LF GENERAL SPECIFICATIONS

| | |
|--------------------------|-------------------|
| Nominal Diameter | 250mm /10inch |
| Rated Impedance | 8 ohm |
| Nominal Power handling | 350 Watts |
| Program Power | 700 Watts |
| Sensitivity(1w/1m) | 98 dB |
| Frequency Range | 73 - 4100Hz |
| Voice Coil Diameter | 76mm /3inch |
| Voice Coil Material | CCAW |
| Voice Coil Winding Depth | 16.5 mm |
| Magnet gap depth | 10 mm |
| Number of layers | 2(inside/outside) |
| Magnet Material | Neodymium |

HF GENERAL SPECIFICATIONS

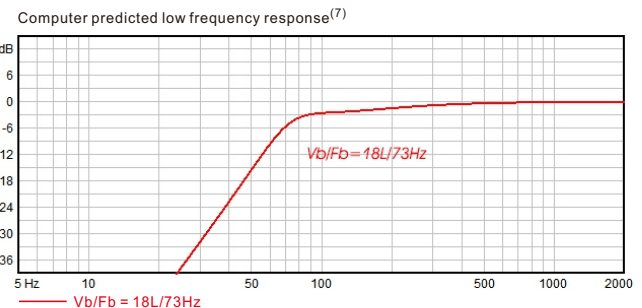
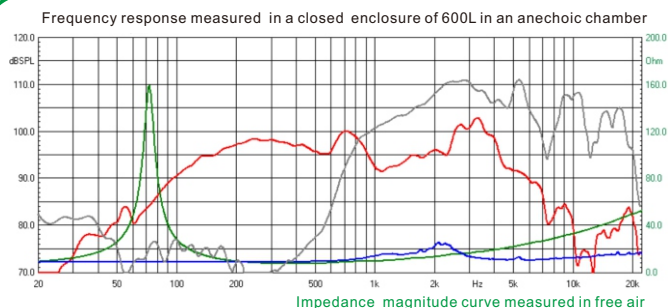
| | |
|------------------------------|--------------------|
| Throat Diameter | 25.4mm /1inch |
| Rated Impedance | 8 ohm |
| Power handling(2k~18kHz) | |
| Nominal ¹ | 50 Watts |
| Program ² | 100 Watts |
| Sensitivity ³ | |
| (1w/1m, on axis) | 106 dB |
| Frequency Range ⁴ | 800~19k Hz |
| Voice Coil Diameter | 44mm /1.7inch |
| Voice Coil Material | Edgewound Aluminum |
| Diaphragm Material | Polyimide |
| Magnet Material | Neodymium |

LF THIELE - SMALL PARAMETERS

| | | |
|--|------|-----------------------|
| Resonance frequency | Fs | 73Hz |
| DC resistance | Re | 5.8 ohm |
| Mechanical factor | Qms | 9.0 |
| Electrical factor | Qes | 0.32 |
| Total factor | Qts | 0.31 |
| Mechanical compliance | Cms | 0.13 mm/N |
| Mechanical resistance of total-driver losses | Rms | 1.9 kg/s |
| Effective Moving Mass | Mms | 37.6 g |
| Half-space efficiency | Eff | 2.7% |
| BL Factor | BL | 17.6 T.m |
| Equivalent Cas air load | Vas | 23 liters |
| Effective piston area | Sd | 0.0360 m ² |
| Max. linear excursion ⁶ | Xmax | ± 5.8 mm |
| Max.excursion before damage | Xdam | ±15 mm |
| Voice coil inductance | Le1K | 0.6 mH |
| Efficiency Bandwidth Product | EBP | 228 |

MOUNTING INFORMATION

| | | | |
|------------------------|--------|-----------------|---------------|
| Overall Diameter | 261 mm | Overall Depth | 166 mm |
| Bolt Circle Diameter | 246 mm | Net Weight | 4.1 kg |
| Bolt Hole Diameter | 5.5 mm | Shipping Weight | 5.1 kg |
| Baffle Cutout Diameter | 228 mm | Shipping Box | 275x275x200mm |



NOTES:

1. AES standard.
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
5. Thiele-Small parameters are measured with Klippel DA LPM module BEFORE preconditioning test.
6. The maximum linear excursion is calculated as: $(Hvc-Hg)/2+Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.

