

FC422nd

VERIFIED WITH
KLIPPEL

☀️ 4 inch
☀️ 91 dB

☀️ 40 Watts
☀️ 134 ~ 18.7k Hz



KEY FEATURES:

- 80W continuous program power capacity
- High sensitivity: 91dB 1w/1m
- 20mm(0.8") high temperature CCAW voice coil
- Vented voice coil former increases airflow to provide enhanced cooling
- Strong and light fiberglass cone with polycotton edge remains rigid to higher frequencies
- High grade neodymium ring allows a high force factor(B) and lighter weight
- Ideal for mini array systems, full range application

GENERAL SPECIFICATIONS

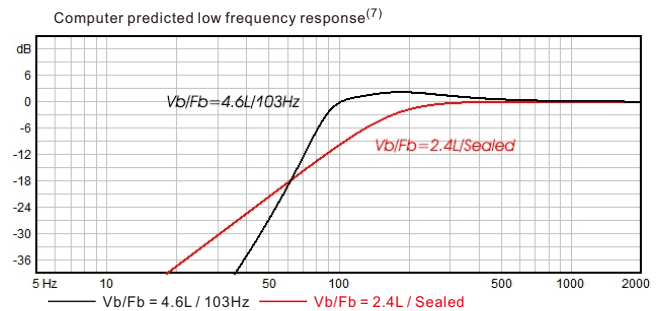
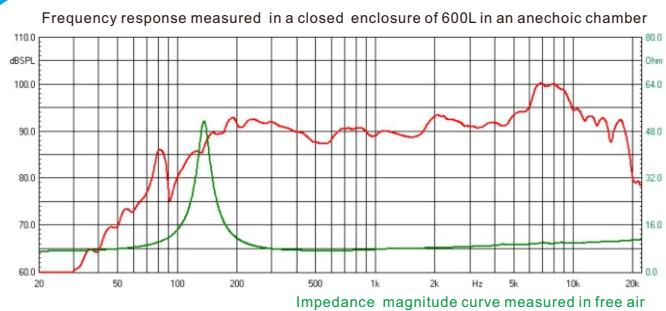
Nominal Diameter	100mm /4inch
Rated Impedance	8 ohm
Nominal Power handling ¹	40 Watts
Program Power ²	80 Watts
Sensitivity(1w/1m) ³	88 dB
Frequency Range ⁴	134 ~ 18.7k Hz
Minimum Impedance(Zmin)	7 ohm
Voice Coil Diameter	20mm /0.8inch
Voice Coil Material	CCAWE
Former Material	Glass Fiber
Voice Coil Winding Depth	6 mm
Number of layers	2
Magnet gap depth	4 mm
Basket	Pressed Steel
Flux Density	1.2 T
Magnet Out Diameter/Wgt	Neodymium

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	141 Hz
DC resistance	Re	6.4 ohm
Mechanical factor	Qms	7.5
Electrical factor	Qes	0.81
Total factor	Qts	0.73
Mechanical compliance	Cms	0.36 mm/N
Mechanical resistance of total-driver losses	Rms	0.423 kg/s
Effective Moving Mass	Mms	3.6 g
Half-space efficiency	Eff	0.47%
BL Factor	BL	5.0 T.m
Equivalent Cas air load	Vas	1.4 liters
Effective piston area	Sd	0.0053 m ²
Max. linear excursion ⁶	Xmax	± 2 mm
Max. excursion before damage	Xdam	±5.5mm
Voice coil inductance(1kHz)	Le	0.17 mH
Efficiency Bandwidth Product	EBP	174

MOUNTING INFORMATION

Overall Diameter	127 mm
Bolt Circle Diameter	115 mm
Bolt Hole Diameter	5 mm
Baffle Cutout Diameter	103 mm
Overall Depth	55 mm
Air volume occupied by driver	0.1 liters
Net Weight	0.22 kg / pc
Shipping Weight	6 kg / 24pcs
Shipping Box	430*340*225mm



NOTES:

- AES standard
- Program Power is defined as 3 dB greater than the nominal power handling.
- Sensitivity is measured at 1W input on rated impedance at 1m on axis.
- 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.
- Thiele-Small parameters are measured with Klippel DA LPM module BEFORE preconditioning test.
- 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.
- Vb: Net internal volume of box after subtracting the volume of internal objects.