

CX12441

VERIFIED WITH
KLIPPEL

☀️ 12" / 1.75" ☀️ 400w / 60w
☀️ 98 / 106 dB ☀️ 55 ~ 19k Hz



KEY FEATURES:

- 800W(LF) + 120W(HF) continuous program power capacity
- 98dB(LF)+106dB(HF) sensitivity 1w/1m
- 76mm(3") LF inside/outside copper clad aluminum voice coil
- 44mm(1.75") HF edgewound aluminum voice coil
- 1" polyimide HF driver directly coupled to the pole piece of the woofer provides excellent response in the mid to high frequencies
- Designed for use as stage monitors or as compact bass reflex systems

LF GENERAL SPECIFICATIONS

Nominal Diameter	300mm / 12inch
Rated Impedance	8 ohm
Nominal Power handling ¹	400 Watts
Program Power ²	800 Watts
Sensitivity(1w/1m) ³	98 dB
Frequency Range ⁴	55 - 3000Hz
Voice Coil Diameter	76mm / 3inch
Voice Coil Material	CCAW
Voice Coil Winding Depth	18 mm
Magnet gap depth	10 mm
Number of layers	2(inside/outside)
Magnet Outer Diameter/Wgt	190mm / 78 oz

HF GENERAL SPECIFICATIONS

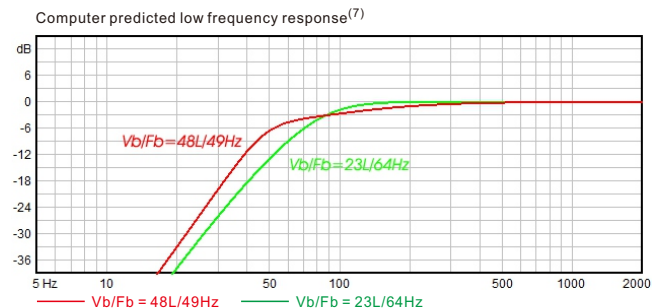
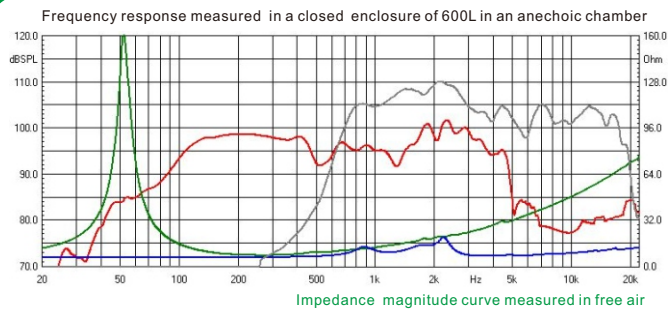
Throat Diameter	25.4mm / 1inch
Rated Impedance	8 ohm
Power handling(2k~18kHz)	
Nominal ¹	60 Watts
Program ²	120 Watts
Sensitivity ³	
(1w/1m, on axis)	106 dB
Frequency Range ⁴	700~19k Hz
Voice Coil Diameter	44mm / 1.7inch
Voice Coil Material	Edgewound Aluminum
Diaphragm Material	Polyimide
Magnet Outer Diameter/Wgt	120mm / 30 oz

LF THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	58.5 Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	12.8
Electrical factor	Qes	0.38
Total factor	Qts	0.37
Mechanical compliance	Cms	0.13 mm/N
Mechanical resistance of total-driver losses	Rms	1.66kg/s
Effective Moving Mass	Mms	58 g
Half-space efficiency	Eff	2.64%
BL Factor	BL	17.7 T.m
Equivalent Cas air load	Vas	52 liters
Effective piston area	Sd	0.0539 m ²
Max. linear excursion ⁶	Xmax	±7.5 mm
Max.excursion before damage	Xdam	±15 mm
Voice coil inductance	Le1K	0.93 mH
Efficiency Bandwidth Product	EBP	154

MOUNTING INFORMATION

Overall Diameter	316 mm	Overall Depth	210 mm
Bolt Circle Diameter	297 mm	Net Weight	10 kg
Bolt Hole Diameter	6.5 mm	Shipping Weight	11 kg
Baffle Cutout Diameter	283 mm	Shipping Box	275x275x230mm



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.
- T/S parameters are measured with Klippel DALPM 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.

