CI5-500

- 15 inch
- 500 Watts
- 98 dB
- 43 ~ 3000 Hz

KEY FEATURES:

① 1000 W continuous program power capacity
② Sensitivity: 98dB 1w/1m
③ 76mm(3") high temperature inside/outsdie voice coil with copper clad aluminum wire
④ Vented back plate increases airflow to provide enhanced cooling
⑤ Treated cone for water protection
⑥ Increased power handling and more mid-high over C15-400
⑦ Ideal for compact 2 or 3-way systems

GENERAL SPECIFICATIONS

Nominal Diameter	380mm /15inch
Rated Impedance	8 ohm
Nominal Power handling[1]	500 Watts
Program Power[2]	1000 Watts
Sensitivity(1w/1m)[3]	98 dB
Frequency Range[4]	43 ~ 3000Hz
Minimum Impedance(Zmin)	6.6 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	CCAW
Former Material	Glass Fiber
Voice Coil Winding Depth	19 mm
Number of layers	2(inside/outside)
Magnet gap depth	10.5 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Outer Diameter / Wgt	200mm / 100 oz

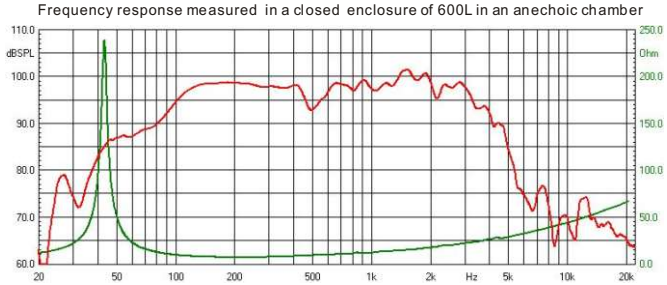
THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	43 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	9.5
Electrical factor	Qes	0.36
Total factor	Qts	0.35
Mechanical compliance	Cms	0.14 mm/N
Mechanical resistance of suspension losses	Rms	1.6 mech-ohm
Effective Moving Mass	Mms	96 g
Half-space efficiency	Eff	3.1%
BL Factor	BL	19.6 T.m
Equivalent Cas air load	Vas	143 liters
Effective piston area	Sd	0.0855 m^2
Max. linear excursion[6]	Xmax	7 mm
Voice coil inductance	Le1K	1.1 mH
Efficiency Bandwidth Product	EBP	119

MOUNTING INFORMATION

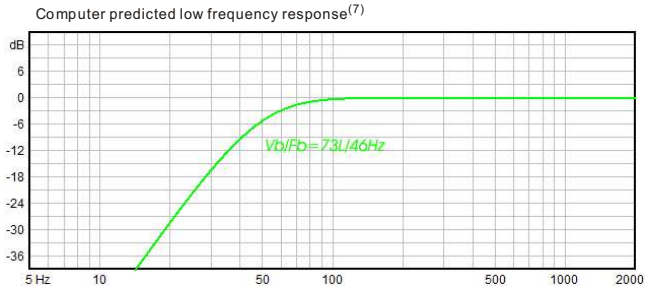
Overall Diameter	393 mm
Bolt Circle Diameter	375 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	355 mm
Overall Depth	169 mm
Net Weight	8.7 kg
Shipping Weight	9.4 kg
Shipping Box	425x425x2 15 mm

Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]



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. T/S parameters measured with laser system with a high level 25Hz sine wave 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.