

RS12-76

☀ 12 inch ☀ 450 Watts
☀ 94 dB ☀ 59 ~ 2900 Hz



KEY FEATURES:

- ① 900W continuous program power capacity
- ② 94dB sensitivity, 1w/1m
- ③ 59~2900Hz frequency response range
- ④ 76mm(3") high temperature copper voice coil
- ⑤ Heavy duty magnet
- ⑥ Single roll rubber edge
- ⑦ Double silicon spiders
- ⑧ Ideal for compact subwoofer or woofer application

GENERAL SPECIFICATIONS

Nominal Diameter	300mm /12inch
Rated Impedance	4 ohm
Nominal Power handling	450 Watts
Program Power	900 Watts
Sensitivity(1w/1m)	94 dB
Frequency Range	59 ~ 2900 Hz
Minimum Impedance(Zmin)	4 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	Copper
Former Material	Fiber glass
Voice Coil Winding Depth	18 mm
Number of layers	2
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.2T
Magnet Out Diameter/Wgt	190mm / 95 oz

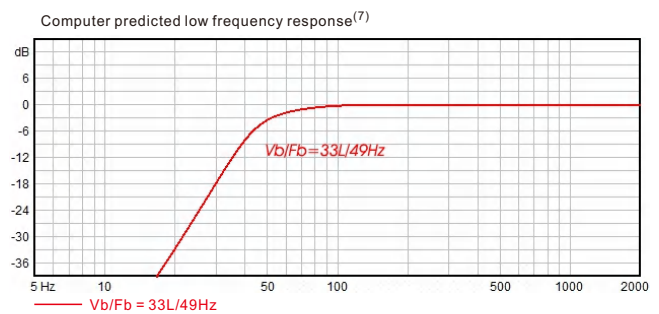
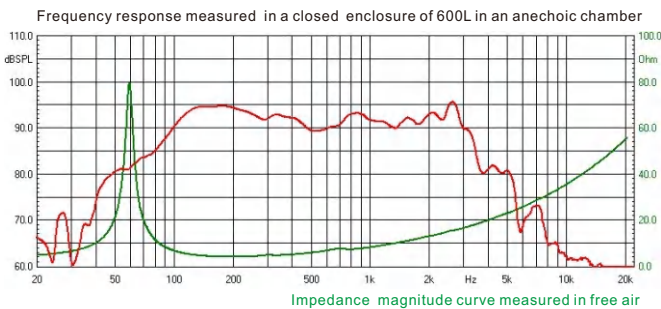
THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	59 Hz
DC resistance	Re	3.2 ohm
Mechanical factor	Qms	11.5
Electrical factor	Qes	0.48
Total factor	Qts	0.46
Mechanical compliance	Cms	0.0682 mm/N
Mechanical resistance of total-driver losses	Rms	3.4 kg/s
Effective Moving Mass	Mms	105 g
Half-space efficiency	Eff	1.1%
BL Factor	BL	16.2 T.m
Equivalent Cas air load	Vas	26 liters
Effective piston area	Sd	0.0519m ²
Max. linear excursion ⁶	Xmax	± 7 mm
Max. excursion before damage	Xdam	±25mm
Voice coil inductance(1kHz)	Le	0.89 mH
Efficiency Bandwidth Product	EBP	123

MOUNTING INFORMATION

Overall Diameter	316 mm
Bolt Circle Diameter	297 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	283 mm
Overall Depth	149 mm
Air volume occupied by driver	3.7 liters
Net Weight	8.2 kg
Shipping Weight	9 kg
Shipping Box	345x345x170mm

Also available in 8ohm, data upon request.



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 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.