

# PS12-65

☀️ 12 inch ☀️ 250 Watts  
☀️ 95 dB ☀️ 53 ~ 3000 Hz



## KEY FEATURES:

- ① 500 W continuous program power capacity
- ② 95dB Sensitivity 1w/1m
- ③ 53 ~ 3000Hz frequency response range
- ④ 2.5" high temperature voice coil wound on polyimide former
- ⑤ Pressed paper cone to improve the high frequency response
- ⑥ Ideal for compact two-way system or midbass application

## GENERAL SPECIFICATIONS

Nominal Diameter	300mm /12inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	250 Watts
Program Power <sup>2</sup>	500 Watts
Sensitivity(1w/1m) <sup>3</sup>	95 dB
Frequency Range <sup>4</sup>	53 ~ 3000Hz
Minimum Impedance(Zmin)	6.3 ohm
Voice Coil Diameter	65mm /2.5inch
Voice Coil Material	Copper
Former Material	Polyimide
Voice Coil Winding Depth	16 mm
Number of layers	2
Magnet gap depth	8 mm
Basket	Pressed Steel
Flux Density	1.0T
Magnet Out Diameter/Wgt	156mm / 50 oz

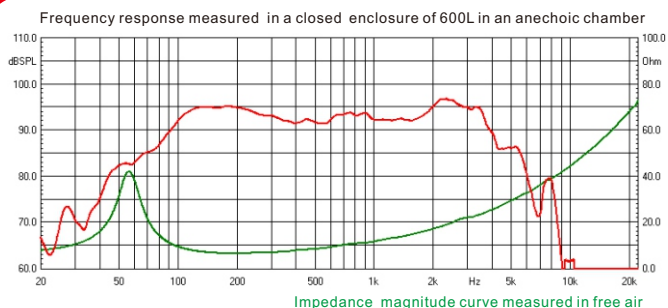
## THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	56 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	4.1
Electrical factor	Qes	0.59
Total factor	Qts	0.51
Mechanical compliance	Cms	0.11 mm/N
Mechanical resistance of total-driver losses	Rms	6.13 kg/s
Effective Moving Mass	Mms	70 g
Half-space efficiency	Eff	1.3%
BL Factor	BL	15 T.m
Equivalent Cas air load	Vas	46 liters
Effective piston area	Sd	0.0539 m <sup>2</sup>
Max. linear excursion <sup>6</sup>	Xmax	± 6 mm
Max. excursion before damage	Xdam	±14.7mm
Voice coil inductance(1kHz)	Le	1.2 mH
Efficiency Bandwidth Product	EBP	95

## MOUNTING INFORMATION

Overall Diameter	311 mm
Bolt Circle Diameter	294 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	279 mm
Overall Depth	125 mm
Air volume occupied by driver	2.9 liters
Net Weight	4.3 kg
Shipping Weight	5 kg
Shipping Box	345x345x180mm

*Also available in 4ohm, 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.