PA12-65/8ohm

- 12 inch
- 280 Watts
- 95 dB
- 46 ~ 3500 Hz

KEY FEATURES:

① 560 W continuous program power capacity
② 95dB Sensitivity 1w/1m
③ 46 ~ 3500Hz frequency response range
④ High temperature copper wire wounded on polyimide former
⑤ Long glassfiber impregnated cone to provide outstanding reliability and performance
⑥ Ideal for compact 2-way systems

GENERAL SPECIFICATIONS

Nominal Diameter	300mm /12inch
Rated Impedance	8 ohm
Nominal Power handling[1]	280 Watts
Program Power[2]	560 Watts
Sensitivity(1w/1m)[3]	95 dB
Frequency Range[4]	46 ~ 3500Hz
Minimum Impedance(Zmin)	6.5 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	1.06 T
Magnet Outer Diameter / Wgt	156mm / 50 oz

THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	46 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	12.9
Electrical factor	Qes	0.45
Total factor	Qts	0.44
Mechanical compliance	Cms	0.20mm/N
Mechanical resistance of suspension losses	Rms	1.33 mech-ohm
Effective Moving Mass	Mms	60 g
Half-space efficiency	Eff	1.9%
BL Factor	BL	14.2 T.m
Equivalent Cas air load	Vas	79 liters
Effective piston area	Sd	0.0531 m^2
Max. linear excursion[6]	Xmax	6.5 mm
Voice coil inductance	Le1K	1.25 mH
Efficiency Bandwidth Product	EBP	102

MOUNTING INFORMATION

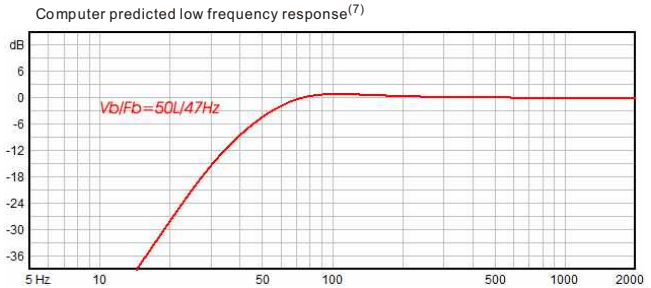
Overall Diameter	311 mm
Bolt Circle Diameter	294 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	279 mm
Overall Depth	127 mm
Net Weight	4.3 kg
Shipping Weight	5.0 kg
Shipping Box	345x345x1 80 mm

Also available in 4ohm,data upon request.

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]



Vb/Fb = 49L/46Hz

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.