PS08-38 8″-80w-8Ω

KEY FEATURES:

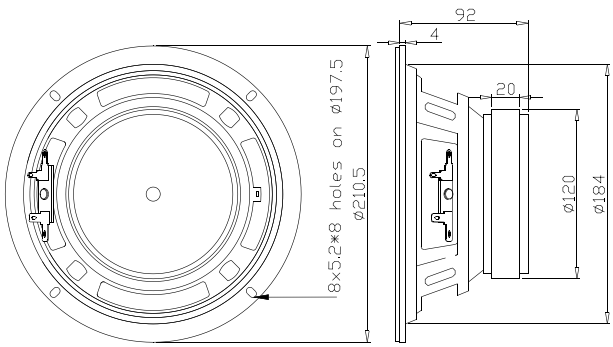
- 160 W continuous program power capacity
- High efficiency: 94dB 1w/1m
- Extended mid range response up to 7000Hz
- 1.5″ copper clad aluminum voice coil, vented on fiberglass former for heat dispersion
- Ideal for mid-bass or midrange application

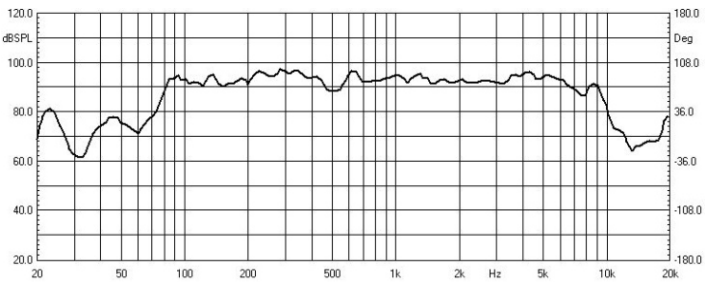
SPECIFICATIONS

General Specifications		
Nominal Diameter	200/8	mm/inch
Rated Impedance	8	ohm
Nominal Power handling[1]	80	Watts
Program Power[2]	160	Watts
Sensitivity(1w/1m)[3]	94	dB
Frequency Range[4]	90 - 7000	Hz
Minimum Impedance(Zmin)	6.0	ohm
Voice Coil Diameter	38/1.5	mm/inch
Voice Coil Material	Copper Clad Aluminum	
Former Material	Fiberglass	
Voice Coil Winding Depth	12	mm
Number of layers	2	
Magnet gap depth	6	mm
Basket	Pressed Steel	
Flux Density	1.1	T
Magnet Weight	29	oz

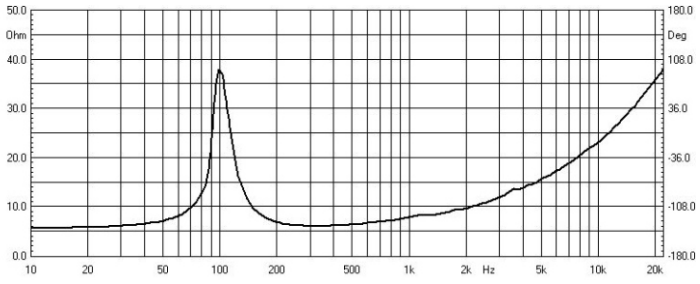
Thiele - Small Parameters			
Resonance frequency	Fs	100	Hz
DC resistance	Re	5.4	ohm
Mechanical factor	Qms	5.0	
Electrical factor	Qes	0.82	
Total factor	Qts	0.71	
Mechanical compliance	Cms	0.15	mm/N
Mechanical resistance of suspension losses	Rms	2.1	mech-ohm
Effective Moving Mass	Mms	16.4	gr
Half-space efficiency	Eff	1.35	%
BL Factor	BL	8.2	T.m
Equivalent Cas air load	Vas	11.6	liters
Effective piston area	Sd	0.0232	m²
Max. linear excursion[5]	Xmax	4.5	mm
Voice coil inductance	Le1K	0.52	mH
Efficiency Bandwidth Product	EBP	122	

Mounting Information		
Overall Diameter	210.5	mm
Bolt Circle Diameter	197.5	mm
Bolt Hole Diameter	5.2	mm
Baffle Cutout Diameter	184	mm
Overall Depth	92	mm
Net Weight	2	kg
Shipping Weight	2.4	kg
Shipping Box	220x220x110	mm

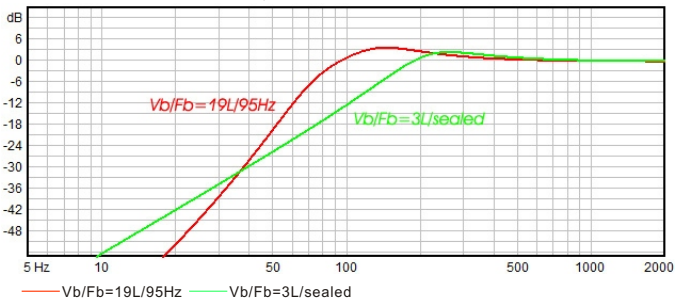




Impedance and phase curves measured in free air



Computer predicted low frequency response



NOTES:

1. AES standard(100~1000Hz)
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 and averaged between 150Hz and 1500Hz.
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. The maxinum linear excursion is calculated as: (Hvc-Hg)/2+Hg/4 where Hvc is The voice coil depth and Hg is the gap depth.
6. Vb: Net internal volume of box after subtracting the volume of internal objects.

TurboSonic Audio Co., Ltd. 5th Building, Taian Road, Xinqiao, Shiji, Panyu, Guangzhou, China.
Tel: +86-20-28679285 • Fax: +86-20-28679287 • Email: info@turbosonicspeakers.com
www.turbosonicspeakers.com