

J6218

☀ 18 inch ☀ 1200 Watts
☀ 98 dB ☀ 32 ~ 1000 Hz



KEY FEATURES:

- ① 2400 W continuous program power capacity
- ② 98dB Sensitivity 1w/1m
- ③ 32Hz ~1000Hz frequency response range
- ④ 125mm(5") inside/outside voice coil for improved power-handling and durability
- ⑤ Separated dual spiders assembly has a stronger structure and high linearity of movement
- ⑥ Aluminum demodulating ring on top of pole for improved heat dispersion
- ⑦ Ideal for high quality horn-loaded subwoofer system

GENERAL SPECIFICATIONS

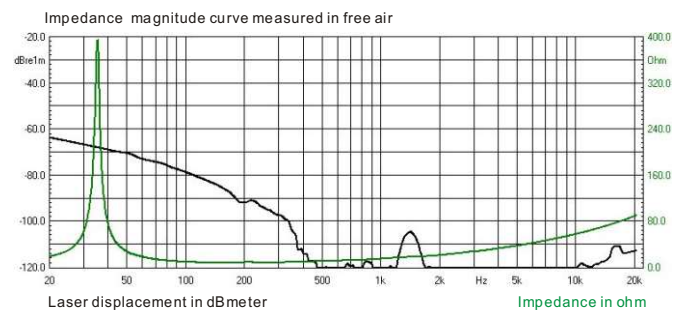
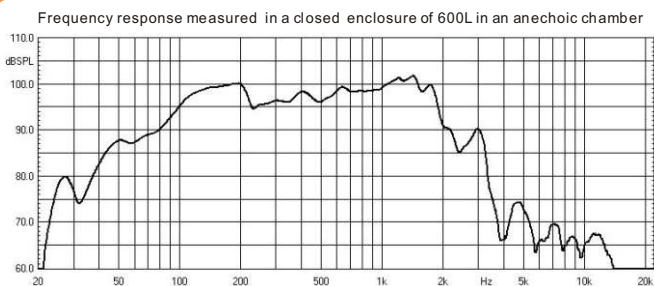
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling ¹	1200 Watts
Program Power ²	2400 Watts
Sensitivity(1w/1m) ³	98 dB
Frequency Range ⁴	32 ~ 1000Hz
Minimum Impedance(Zmin)	7.3 ohm
Voice Coil Diameter	125mm / 5inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	27 mm
Number of layers	2(inside/outside)
Magnet gap depth	12.7 mm
Basket	Cast Aluminum
Flux Density	1.1 T
Magnet Out Diameter/Wgt	280mm / 205 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	35 Hz
DC resistance	Re	5.5 ohm
Mechanical factor	Qms	8.7
Electrical factor	Qes	0.30
Total factor	Qts	0.29
Mechanical compliance of suspension losses	Cms	0.08 m/N
Effective Moving Mass	Mms	254 g
Half-space efficiency	Eff	2.85 %
BL Factor	BL	32 T.m
Equivalent Cas air load	Vas	196 liters
Effective piston area	Sd	0.1333 m ²
Max. linear excursion ⁶	Xmax	10 mm
Voice coil inductance	Le1K	1.5 mH
Efficiency Bandwidth Product	EBP	117

MOUNTING INFORMATION

Overall Diameter	461 mm
Bolt Circle Diameter	439 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	424 mm
Overall Depth	212 mm
Net Weight	21.7 kg
Shipping Weight	23.2 kg
Shipping Box	500x500x250mm



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 without preconditioning test at 23 Celsius degree environment.
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.