# J6618

VERIFIED WITH KLIPPEL

- 18 inch
- 1500 Watts
- 98 dB
- 38 ~ 1000 Hz

## KEY FEATURES:

① 3000 W continuous program power capacity
② 98dB Sensitivity 1w/1m
③ 37Hz ~1000Hz frequency response range
④ 125mm(5") inside/outside voice coil for improved power-handling and durability
⑤ High grade Y35 ferrite magnet, 30mm in height for longer excursion and higher force factor
⑥ FEA optimized magnetic circuit
⑦ Silicone double Conex damper
⑧ Ideal for high quality loaded subwoofer applications

## GENERAL SPECIFICATIONS

| | |
|---|---|
| Nominal Diameter | 460mm / 18inch |
| Rated Impedance | 8 ohm |
| Nominal Power handling | 1500 Watts |
| Program Power | 3000 Watts |
| Sensitivity(1w/1m) | 98 dB |
| Frequency Range | 37 ~ 1000Hz |
| Minimum Impedance(Zmin) | 6.9 ohm |
| Voice Coil Diameter | 125mm / 5inch |
| Voice Coil Material | Copper |
| Former Material | Glass Fiber |
| Voice Coil Winding Depth | 34 mm |
| Number of layers | 2(inside/outside) |
| Magnet gap depth | 14 mm |
| Basket | Cast Aluminum |
| Flux Density | 1.2 T |
| Magnet Out Diameter/Wgt | 280mm / 245 oz |

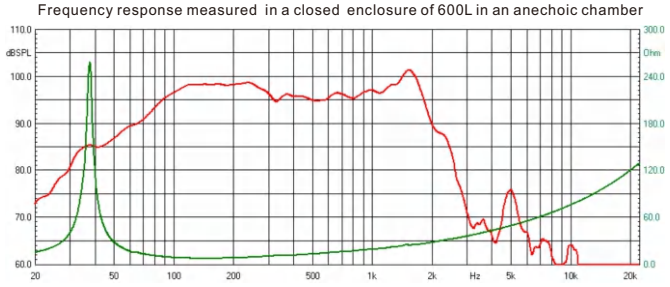
## THIELE – SMALL PARAMETERS[5]

| | | |
|---|---|---|
| Resonance frequency | Fs | 37 Hz |
| DC resistance | Re | 5.4 ohm |
| Mechanical factor | Qms | 17.6 |
| Electrical factor | Qes | 0.334 |
| Total factor | Qts | 0.328 |
| Mechanical compliance | Cms | 0.061mm/N |
| Mechanical resistance of total-driver losses | Rms | 3.9 kg/s |
| Effective Moving Mass | Mms | 292 g |
| Half-space efficiency | Eff | 2.1 % |
| BL Factor | BL | 33.5 T.m |
| Equivalent Cas air load | Vas | 132 liters |
| Effective piston area | Sd | 0.1237 $m^2$ |
| Max. linear excursion[6] | Xmax | ±13.5mm |
| Max. excursion before damage | Xdam | ±29 mm |
| Voice coil inductance(1kHz) | Le | 2.1 mH |
| Efficiency Bandwidth Product | EBP | 112 |

## MOUNTING INFORMATION

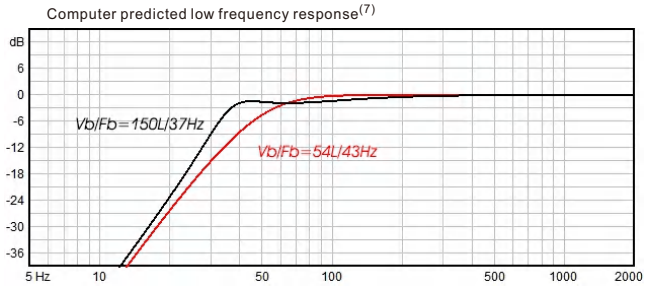
| | |
|---|---|
| Overall Diameter | 461 mm |
| Bolt Circle Diameter | 439 mm |
| Bolt Hole Diameter | 6.5x9.5 mm |
| Baffle Cutout Diameter | 424 mm |
| Overall Depth | 227 mm |
| Air volume occupied by driver | 12.5 liters |
| Net Weight | 21 kg |
| Shipping Weight | 22.35 kg |
| Shipping Box | 490x490x245mm |

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]




**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. Thiele-Small parameters are measured with Klippel DA LPM module 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.