J6418

☀ 18 inch ☀ 1500 Watts
☀ 96 dB ☀ 38 ~ 1000 Hz

KEY FEATURES:

① 3000 W continuous program power capacity
② 96dB Sensitivity 1w/1m
③ 38Hz ~1000Hz frequency response range
④ 125mm(5") inside/outside voice coil for improved power-handling and durability
⑤ Double silicone spider with optimized compliance
⑥ Waterproof cone treatment
⑦ Ideal for compact bass-reflex subwoofer or horn-loaded application

GENERAL SPECIFICATIONS

Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling[1]	1500 Watts
Program Power[2]	3000 Watts
Sensitivity(1w/1m)[3]	96 dB
Frequency Range[4]	38 ~ 1000Hz
Minimum Impedance(Zmin)	7.5 ohm
Voice Coil Diameter	125mm / 5inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	29 mm
Number of layers	2(inside/outside)
Magnet gap depth	12 mm
Basket	Cast Aluminum
Flux Density	1.0 T
Magnet Out Diameter/Wgt	253mm / 155 oz

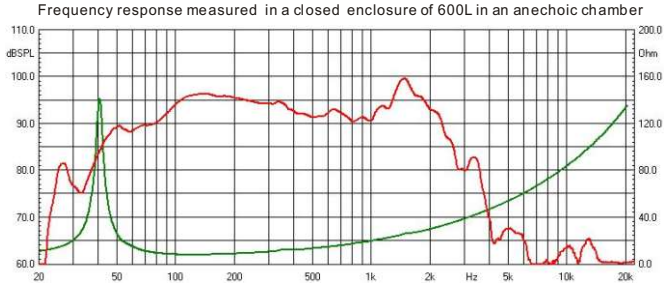
THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	41 Hz
DC resistance	Re	6.0 ohm
Mechanical factor	Qms	13.2
Electrical factor	Qes	0.59
Total factor	Qts	0.56
Mechanical compliance	Cms	0.055 m/N
Mechanical resistance of suspension losses	Rms	5.3 mech-ohm
Effective Moving Mass	Mms	275 g
Half-space efficiency	Eff	1.3 %
BL Factor	BL	27 T.m
Equivalent Cas air load	Vas	117 liters
Effective piston area	Sd	0.1238 m^2
Max. linear excursion[6]	Xmax	11.5 mm
Voice coil inductance	Le1K	2.3 mH
Efficiency Bandwidth Product	EBP	69

MOUNTING INFORMATION

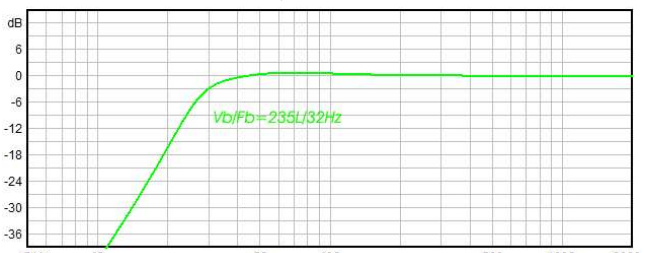
Overall Diameter	461 mm
Bolt Circle Diameter	439 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	424 mm
Overall Depth	212 mm
Net Weight	15.3 kg
Shipping Weight	16.8 kg
Shipping Box	500x500x2 40mm

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 = 235L/32Hz

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 are measured with laser system after a high level 25Hz sine ware 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.