J6115nd

☀ 15 inch ☀ 600 Watts
☀ 99 dB ☀ 37 ~ 2800 Hz

KEY FEATURES:

① 1200 W continuous program power capacity
② 99dB sensitivity 1w/1m
③ 86mm(3.4") inside/outside winding copper clad aluminum voice coil
④ Forced air ventilation on U-yoke for minimum power compression
⑤ Neodymium magnet allows a very light yet powerful motor assembly
⑥ Paper cone made in the USA
⑦ Ideal for high quality compact 2 or 3-way systems

GENERAL SPECIFICATIONS

Nominal Diameter	380mm /15inch
Rated Impedance	8 ohm
Nominal Power handling[1]	600 Watts
Program Power[2]	1200 Watts
Sensitivity(1w/1m)[3]	99 dB
Frequency Range[4]	37 ~ 2800Hz
Minimum Impedance(Zmin)	6.6 ohm
Voice Coil Diameter	86mm /3.4inch
Voice Coil Material	CCAW
Former Material	Polyimide
Voice Coil Winding Depth	16.5 mm
Number of layers	2(inside/outside)
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Material	Neodymium

THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	38 Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	7.8
Electrical factor	Qes	0.31
Total factor	Qts	0.3
Mechanical compliance	Cms	0.18 mm/N
Mechanical resistance of total-driver losses	Rms	3 kg/s
Effective Moving Mass	Mms	98 g
Half-space efficiency	Eff	3.1%
BL Factor	BL	20.4 T.m
Equivalent Cas air load	Vas	187 liters
Effective piston area	Sd	0.0866 m^2
Max. linear excursion[6]	Xmax	±6 mm
Max. excursion before damage	Xdam	±19mm
Voice coil inductance(1kHz)	Le	1.4 mH
Efficiency Bandwidth Product	EBP	122

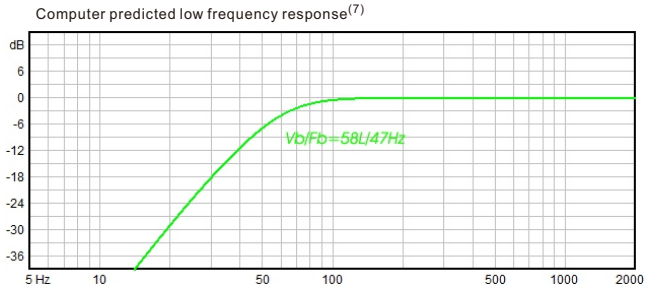
MOUNTING INFORMATION

Overall Diameter	393 mm
Bolt Circle Diameter	275 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	355 mm
Overall Depth	172 mm
Air volume occupied by driver	5.2 liters
Net Weight	6.1 kg
Shipping Weight	7.2 kg
Shipping Box	430x430x205mm

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 = 58L/47Hz

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 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.