

# J6318nd

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



### KEY FEATURES:

- ① 2000 W continuous program power capacity
- ② 98dB Sensitivity 1w/1m
- ③ 32Hz ~1000Hz frequency response range
- ④ 5" inside/outside voice coil for improved power-handling and durability
- ⑤ Forced air ventilation on U-yoke for minimum power compression
- ⑥ Neodymium magnet allows a very light yet powerful motor assembly
- ⑦ Double silicone spider with optimized compliance
- ⑧ Ideal for compact subwoofer application

### GENERAL SPECIFICATIONS

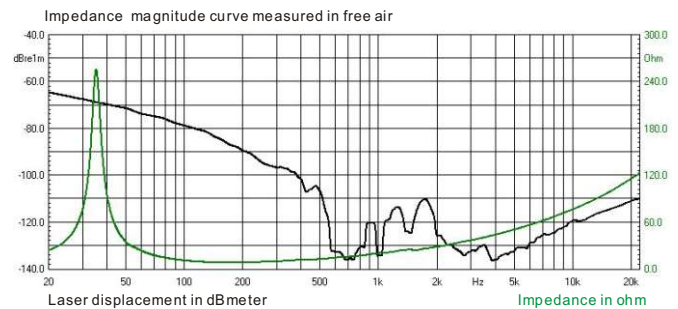
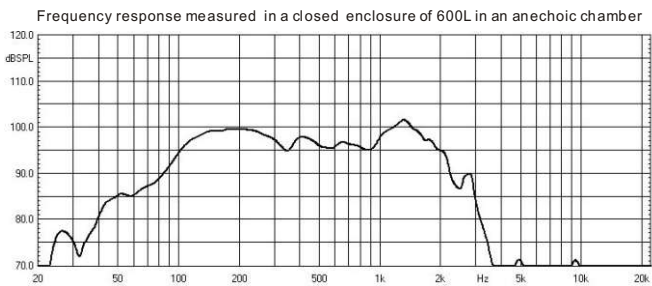
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling <sup>1</sup>	1000 Watts
Program Power <sup>2</sup>	2000 Watts
Sensitivity(1w/1m) <sup>3</sup>	98 dB
Frequency Range <sup>4</sup>	32 ~ 1000Hz
Minimum Impedance(Zmin)	7.5 ohm
Voice Coil Diameter	125mm / 5inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	26 mm
Number of layers	2(inside/outside)
Magnet gap depth	14 mm
Basket	Cast Aluminum
Flux Density	1.1 T
Magnet Material	Neodymium

### THIELE - SMALL PARAMETERS<sup>5</sup>

Resonance frequency	Fs	35 Hz
DC resistance	Re	5.5 ohm
Mechanical factor	Qms	10
Electrical factor	Qes	0.23
Total factor	Qts	0.22
Mechanical compliance of suspension losses	Cms	0.09 m/N
Effective Moving Mass	Rms	5.1mech-ohm
Half-space efficiency	Mms	234 g
BL Factor	Eff	3.5%
Equivalent Cas air load	BL	35.6 T.m
Effective piston area	Vas	188 liters
Max. linear excursion <sup>6</sup>	Sd	0.1250 m <sup>2</sup>
Voice coil inductance	Xmax	9.5 mm
Efficiency Bandwidth Product	Le1K	2.2 mH
	EBP	152

### 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	228 mm
Net Weight	14 kg
Shipping Weight	15 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.