

E2018



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



KEY FEATURES:

- ① 2400 W continuous program power capacity
- ② 97dB Sensitivity 1w/1m
- ③ 32Hz ~ 1000Hz frequency response range
- ④ 100mm(4") inside/outside copper voice coil

- ⑤ Heavy duty Y35 ferrite magnet structure (outer diameter:245mm)
- ⑥ Big damper allows long excursion with linear behavior for large signal
- ⑦ Ideal for high quality bass-reflex system

GENERAL SPECIFICATIONS

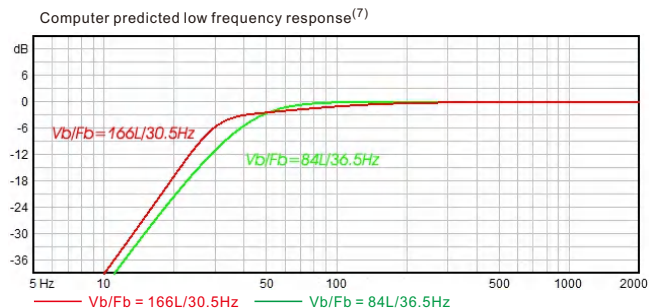
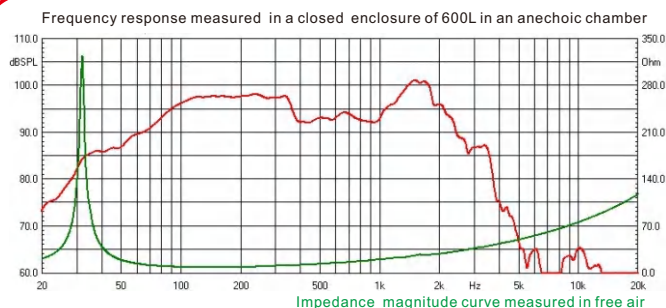
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling ¹	1200 Watts
Program Power ²	2400 Watts
Sensitivity(1w/1m) ³	97 dB
Frequency Range ⁴	32 ~ 1000Hz
Minimum Impedance(Zmin)	6.8 ohm
Voice Coil Diameter	100mm / 4inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	31 mm
Number of layers	2(inside/outside)
Magnet gap depth	12 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Out Diameter/Wgt	245mm / 190 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	32 Hz
DC resistance	Re	5.3 ohm
Mechanical factor	Qms	20.8
Electrical factor	Qes	0.34
Total factor	Qts	0.33
Mechanical compliance	Cms	0.096mm/N
Mechanical resistance of total-driver losses	Rms	2.47kg/s
Effective Moving Mass	Mms	254 g
Half-space efficiency	Eff	2.1%
BL Factor	BL	29.1 T.m
Equivalent Cas air load	Vas	200 liters
Effective piston area	Sd	0.1213 m ²
Max. linear excursion ⁶	Xmax	±12.5 mm
Max. excursion before damage	Xdam	±26.5 mm
Voice coil inductance(1kHz)	Le	1.9 mH
Efficiency Bandwidth Product	EBP	94

MOUNTING INFORMATION

Overall Diameter	466.5 mm
Bolt Circle Diameter	442 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	423 mm
Overall Depth	211 mm
Air volume occupied by driver	11.7 liters
Net Weight	16.7 kg
Shipping Weight	18 kg
Shipping Box	490x490x245mm



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 DALPM module after an AES power preconditioning test and represent the expected long term parameters after a short term of use.
6. The maximum linear excursion is calculated as: $(H_{vc}-H_g)/2 + H_g/4$ where H_{vc} is the voice coil depth and H_g is the gap depth.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.