

# PROFESSIONAL LOUDSPEAKER

## 18" Low Frequency Transducer – 600W

### General Specifications

Nominal diameter	460mm/18in
Power rating <sup>1</sup>	600Wrms
Nominal impedance	8 Ω
Sensitivity <sup>2</sup>	97dB
Frequency range	40-1,000Hz
Voice coil diameter	100mm/4in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Magnet Diameter	220mm/8.6in
Magnet weight	3.4kg/120Oz
Coil material	CCA W
Former material	Till
Cone material	Pressed paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	±5.5mm/0.21in
Gap depth	14mm/0.55in
Voice coil winding width	25mm/1in

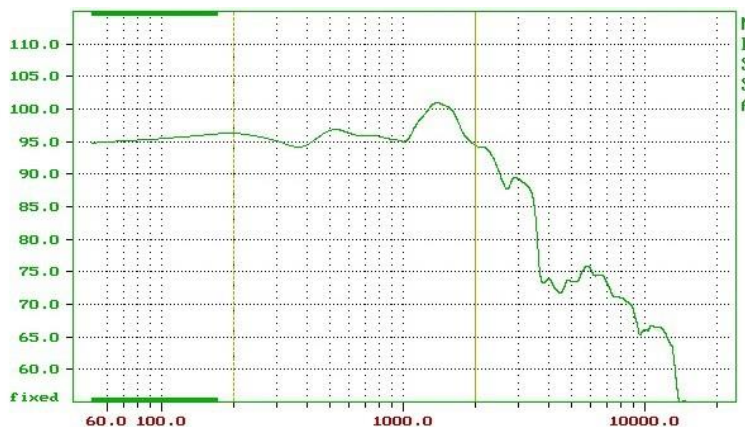


### Small Signal Parameters

D	0.39m/15.55in
Fs	43.0Hz
Mms	171.27gm
Mmd	147gm
Qms	14.53
Qes	0.60
Qts	0.57
Re	5.1 Ω
Vas	163.02 ltrs
Bl	20.14 Tm
Cms	0.077mm/N

- 4" Voice Coil
- Y-30 Grade Ferrite Magnet
- Copper Clad Aluminium Wire Coil For High Sensitivity
- Aluminium Die-Cast Chassis For High Rigidity & Low Weight

### Frequency Response @ 2.83V/1m



### Mounting Information

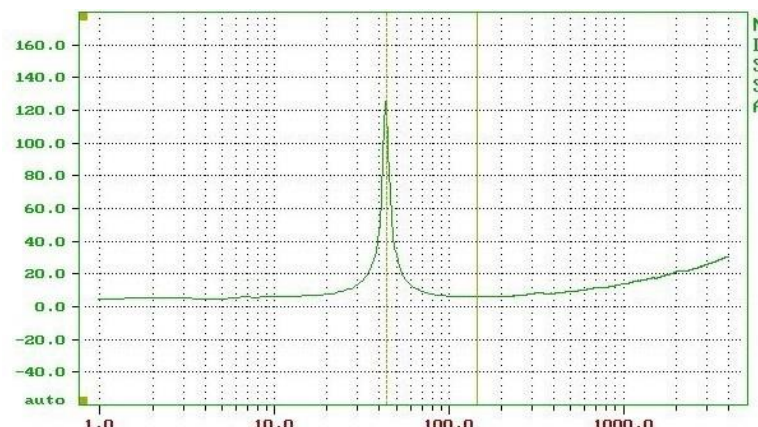
Diameter	460mm/18in
Overall depth	200mm/7.8in
Cut-out diameter	420mm/16.53in
Mounting slot dimensions	8x9mm/0.31x0.35in
Number of mounting slots	8
Mounting PCD range	444mm/17.48in
Unit weight	13kg

### Packed Dimensions & Weight

Single pack size W x D x H	550mm x 550mm x 250mm /21.65in x 21.65in x 9.8in
Single pack weight	16kg

### Note:

1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard.  
Power calculated on minimum impedance. Loudspeaker tested in free air.
2. Measured on axis at 1W, 1m in 2π
3. Xmax derived from: (voice coil winding width-gap depth)/2.



max: 126.597 x = 43.945 (45), min: 5.84666 x = 144.531 (148):