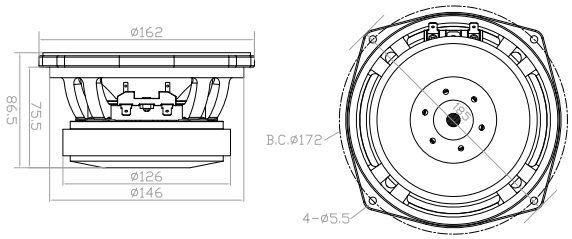
06W44-16FX 8Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 5dB 1W/1m sensitivity
- 200W AES power handling
- 85Hz-4.5kHz frequency response
- 44.2mm (1.7in) copper clad aluminum voice coil
- Aluminum demodulating ring for lower distortion
- Ventilated voice coil gap for reduced power compression
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and compact two way systems

MECHANICAL DRAWING

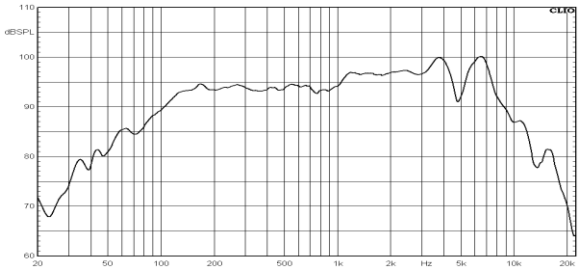


GENERAL SPECIFICATIONS

Part Number	06W44-16FX
Nominal Diameter	162mm (6in)
Nominal Impedance	16Ω
Minimum Impedance	12.0Ω
AES Power Handling[1]	200W
Maximum Power Handling[2]	400W
Sensitivity (1W/1m)[3]	95dB
Resonance Frequency	85Hz
Frequency Range	85Hz-4.5kHz
Voice Coil Diameter	44.2mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	10.8mm
Magnetic Gap Depth	6mm
Xmax[4]	4.4mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.5kg

FREQUENCY RESPONSE CURVE

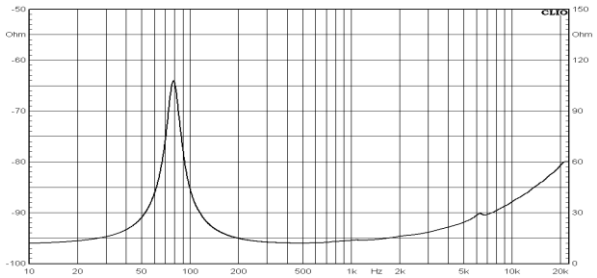
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	83Hz	Qms	4.6
Re	11.6Ω	Qes	0.59
Le	0.44mH	Qts	0.52
Mms	15g	Vas	6.7L
Mmd	14g	Ref. Efficiency	0.6%
Cms	0.23mm/N	Sd	143cm^2
BL	12.6Tm	EBP	140Hz

NOTES

1. Two hours test according to AES 2-1984 Rev. 2003.
   Power calculated on rated minimum impedance.
2. Maximum power is defined as 3dB greater than Nominal power.
3. Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.
4. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
5. Thiele-Small parameters are measured after a preconditioning test.
6. Power test by continuous pink noise signal within the frequency range.