

04W19-16CF

REFERENCE MODEL: FAITAL 4FE35

BASS/MID RANGE DRIVER



KEY FEATURES:

- 89dB 1W / 1m sensitivity
- 19.45mm (0.75in) aluminum voice coil
- 30W IEC power handling
- 90Hz-20kHz frequency response
- Copper demodulating ring for lower distortion
- Suitable for sound column systems and multiway systems

GENERAL SPECIFICATIONS

Nominal Diameter	100.5mm (4in)
Nominal Impedance	16Ω
Minimum Impedance	11.6Ω
IEC Power Rating ¹	30W
Long-term Maximum Power Handling ²	60W
Short-term Maximum Power Handling ³	120W
Sensitivity (1W/1m) ⁴	89dB
Resonance Frequency	90Hz
Frequency Range	90Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	5.8mm
Magnetic Gap Depth	4mm
Xmax ⁵	2.2mm
Flux Density	1.1T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	0.56kg

THIELE SMALL PARAMETERS

Fs	92Hz	Mms	3.8g
Re	12.1Ω	Mmd	3.6g
Qms	4.6	Cms	0.77mm/N
Qes	1.89	Vas	2.7litres
Qts	1.34	Ref. Efficiency	0.11%
Le	0.05mH	Sd	51.9cm ²
BL	3.8Tm	EBP	48Hz

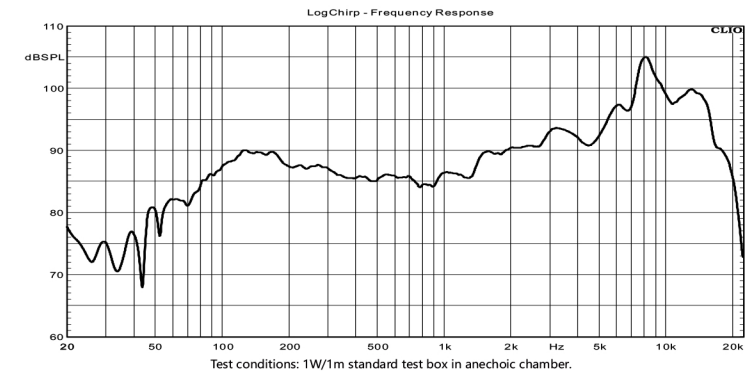
DIMENSIONS

Overall Diameter	100.5mm
Total Depth	57mm
Depth (Excl. Flange)	51mm
Magnet Diameter	70mm

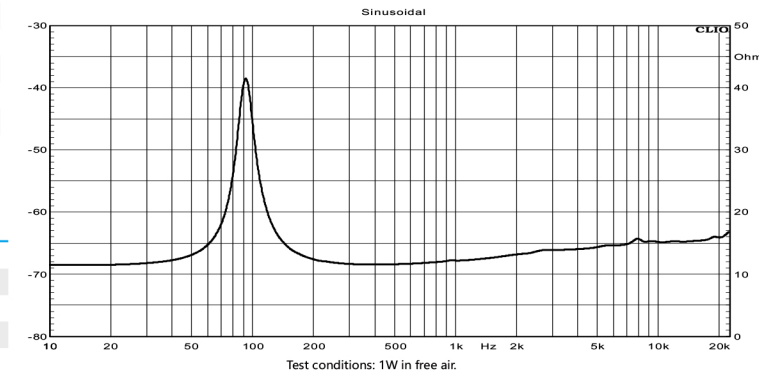
MOUNTING INFORMATION

Baffle Cutout Diameter	89.2mm
Bolt Circle Diameter	115.5mm
N. of Mounting Holes	4
Mounting Holes Diameter	6.0×7.5mm

FREQUENCY RESPONSE CURVE

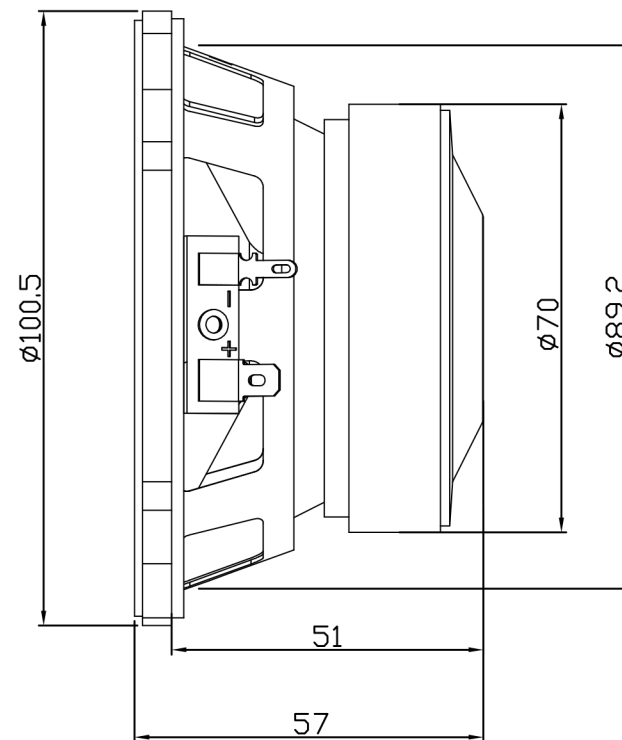
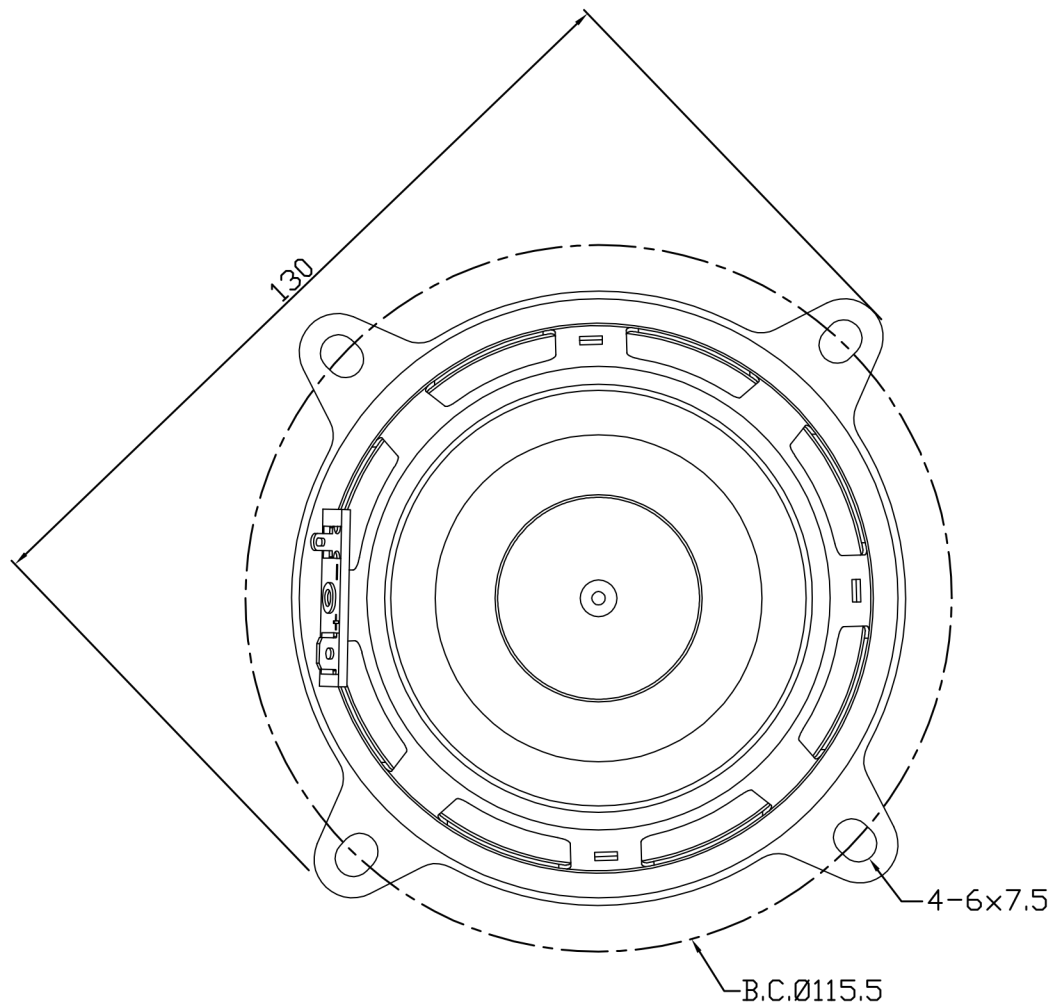


IMPEDANCE CURVE



NOTES:

1. 100 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance.
2. 2 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance.
3. 2 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance.
4. Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.
5. Xmax = [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Power test made with continuous pink noise signal within the frequency range.



Mod. 04W19-16CF

Scale:1:1.2 Dimensions in mm A4

