

03W19-8CF

REFERENCE MODEL: FAITAL 3FE25

BASS/MID RANGE DRIVER



KEY FEATURES:

- 87dB 1W / 1m sensitivity
- 19.45mm (0.75in) aluminum voice coil
- 20W IEC power handling
- 110Hz-20kHz frequency response
- Copper demodulating ring for lower distortion
- Suitable for sound column systems and multiway systems

GENERAL SPECIFICATIONS

Nominal Diameter	81mm (3in)
Nominal Impedance	8Ω
Minimum Impedance	7.1Ω
IEC Power Rating ¹	20W
Long-term Maximum Power Handling ²	40W
Short-term Maximum Power Handling ³	80W
Sensitivity (1W/1m) ⁴	87dB
Resonance Frequency	110Hz
Frequency Range	110Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	5mm
Magnetic Gap Depth	4mm
Xmax ⁵	1.8mm
Flux Density	1.1T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Net Weight	0.53kg

THIELE SMALL PARAMETERS

Fs	110Hz	Mms	2.7g
Re	6.5Ω	Mmd	2.6g
Qms	4.2	Cms	0.75mm/N
Qes	1.16	Vas	1.2litres
Qts	0.91	Ref. Efficiency	0.13%
Le	0.04mH	Sd	33cm ²
BL	3.3Tm	EBP	95Hz

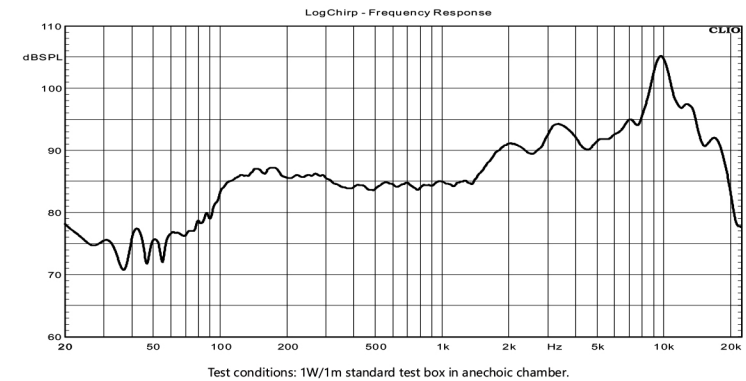
DIMENSIONS

Overall Diameter	81mm
Total Depth	53mm
Depth (Excl. Flange)	48.2mm
Magnet Diameter	70mm

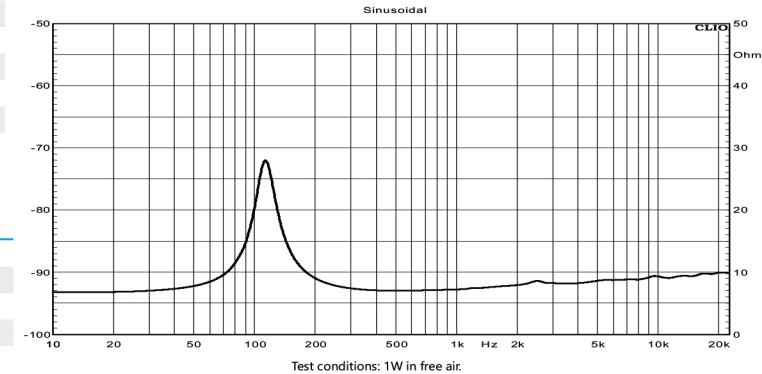
MOUNTING INFORMATION

Baffle Cutout Diameter	73mm
Bolt Circle Diameter	92mm
N. of Mounting Holes	4
Mounting Holes Diameter	4.4×5.8mm

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.
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4. Applied RMS Voltage is set to 2.83 V for 8 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.