FANE

THE SOVEREIGN SERIES

FC-152F01TC

FULL RANGE DRIVER

15” / 381 mm	300 W (A.E.S.)	50 Hz - 15 kHz	2.0” / 50.8 mm	101 dB
CHASSIS DIAMETER	AES POWER HANDLING	FREQUENCY RESPONSE	COPPER CLAD ALUMINIUM WIRE VOICE COIL	SENSITIVITY (1W/ 1m)

- 101 dB Average Sensitivty.
- Medium power 15” triple cone model.
- Unrivaled extended frequency range, working up to 15 kHz.
- Suited for full range output in compact PA systems.
- Ideal for house of worship installations.
- Optimised cone pulp offers increased strength, durability and performance.

The FC-152F01TC features a triple concentric cone design for extended high frequency response up to 15 kHz. Offering well defined full-range characteristics and vocal presence, the FC-152F01TC performs well in standalone, single driver cabinet configurations for smaller applications. It can also be used effectively as part of larger configured systems with supplementary support from additional sub bass.

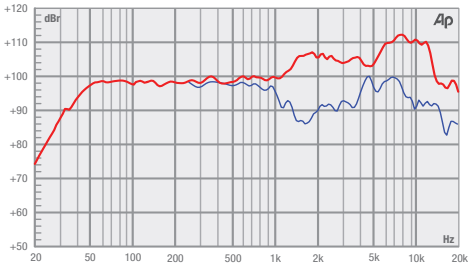
ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	15” / 381 mm
Impedance	8 Ohm
Power Handling	300 W (A.E.S.)
Peak Power (6dB Crest Factor)	1200 W (A.E.S.)
Usable Frequency Range -6dB	50 Hz - 15 kHz
Sensitivity (1 w - 1 m)	101 dB
Moving Mass inc. Air Load	56 grams
Minimum Impedance Zmin	7.2 Ω
Effective Piston Diameter	15.03” / 381.76 mm
Magnet Weight	56 oz
Magnetic Gap Depth	0.32” / 8.00 mm
Flux Density	1.1 Tesla
Coil Winding Height	0.37” / 9.40 mm
Voice Coil Diameter	2.0” / 50.8 mm

THIELE SMALL PARAMETERS

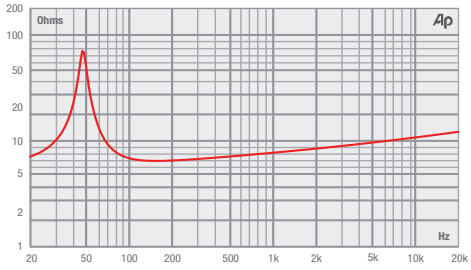
FS Hz	48 Hz
RE Ohms	5.2 Ω
Qms	9.892
Qes	0.753
Qts	0.7
Vas Ltr	203.00 Litres
Vd Litres	0.290 Litres
CMS (mm/N)	0.196 mm/N
BL T/m	11 T/m
Mms (grms)	56 grams
Xmax (mm)	3.5 mm
Sd (cm^2)	855 cm^2
Efficiency %	2.900%
Le (1k Hz)	0.165 mH
EBP	63.74 Hz

FREQUENCY RESPONSE DATA*



† Half space response measured in a 975 Litre sealed box.

IMPEDANCE

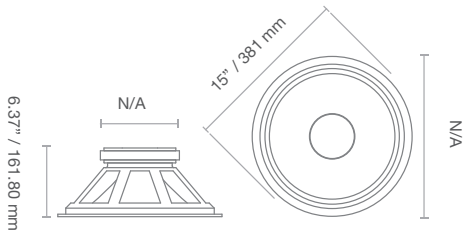


MOUNTING / SHIPPING INFORMATION

Overall Diameter	15” / 381 mm
Width Across Flats	N/A
Flange Height	0.35” / 8.89 mm
Baffle Hole Diameter F/M	13.85” / 351.79 mm
Baffle Hole Diameter R/M	13.85” / 351.79 mm
Gasket Supplied	Front & Rear
Outer Fixing Holes	8x Ø 6.35 mm on 14.56” / 369.2 mm PCD
Inner Fixing Holes	N/A
Depth	6.37” / 161.80 mm
Weight	11.03 lb / 5.00 kg
Recommended Enclosure Volume	75 Ltr Closed box / 80 Ltr Vented, tuned to 55 Hz
Shipping Weight	13.60 lb / 6.17 kg
Packing Carton Dimensions	(W) 420 (D) 420 (H) 220 mm

MATERIALS OF CONSTRUCTION

Former Material	Kapton
Voice Coil	Copper Clad Aluminium Wire
Magnet Material	Ferrite
Chassis	Pressed Steel
Cone	Curvilinear Ribbed Paper
Surround / Edge Termination	Polyvinyl Damped Multi Roll. Poly Cotton
Dust Dome	Paper
Connectors	Solder Tag
Polarity	Positive voltage at red terminal causes forward motion of cone



* *Please enquire about alternative impedances.*

* *A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 55 Hz and 550 Hz. Driver mounted in free air, test signal applied at rated power for two hours.*

* *Please note that the frequency response measurements are supplied for comparison only and are not a measure of the low frequency performance which may be achieved in a fully optimised system.*

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