



# FC-153F01

## BASS DRIVER

**15" / 381 mm**  
CHASSIS DIAMETER

**800 W**  
PROGRAM POWER

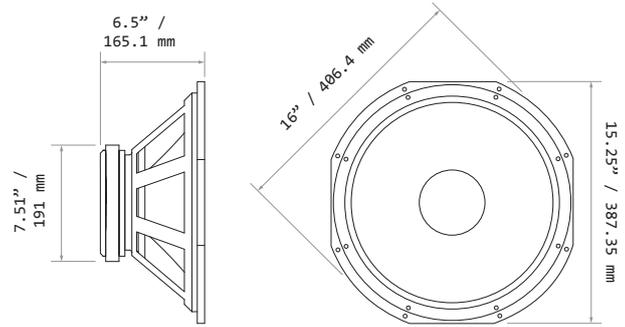
**40 Hz - 4.5 kHz**  
FREQUENCY RESPONSE

**3" / 76.2 mm**  
VOICE COIL

**99 dB**  
SENSITIVITY (1W/1m)

**7.5 mm Xmax**  
MAX. LINEAR EXCURSION

- + Versatile unit ideal for two-way, ported enclosure designs of 45-90 Litres.
- + Optimised non-inductive motor system efficiently controls magnetic flux and reduces third-harmonic and intermodulation distortion.
- + Designed to provide warm tonal character with dynamic, smooth detailed bass reproduction.
- + Copper shorting ring provides extended frequency up to 4.5 kHz.
- + 3-Inch Inside/ outside windings CCAW voice coil.
- + Waterproof cone.



### GENERAL SPECIFICATIONS

Nominal Chassis Diameter	15" / 381 mm
Nominal Impedance <sup>(1)</sup>	8 Ohm
Minimum Impedance Zmin	7.3 Ω
AES Power Handling <sup>(2)</sup>	400 W (A.E.S.)
Program Power	800 W
<b>Peak Power</b> (6dB Crest Factor)	<b>1600 W</b>
Frequency Range <sup>(6dB)</sup>	40 Hz - 4.5 kHz
<b>Sensitivity</b> (1W/1m)	<b>99 dB</b>
<b>Magnet Material</b>	<b>Ferrite</b>
Magnet Weight	93 oz
Magnetic Gap Depth	0.35" / 9 mm
Flux Density	1.2 Tesla
Former Material	Glass Fibre
Voice Coil Material	CCA W - Inside/ Outside
Coil Winding Height	0.75" / 19 mm
<b>Voice Coil Diameter</b>	<b>3" / 76.2 mm</b>
Cone/ Dust Dome Material	Paper / Paper
Surround / Edge Termination	Polyvinyl Damped Half Roll Linen

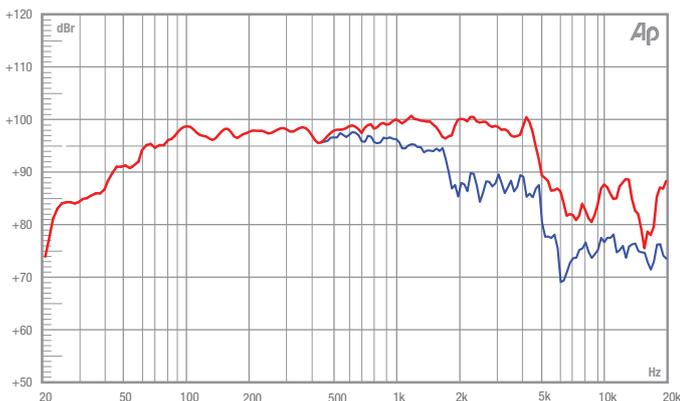
### TECHNICAL & THIELE SMALL PARAMETERS

Fs	40 Hz
Re	5.5 Ω
Qms	6.55
Qes	0.32
Qts	0.31
Vas	220 Litres
Vd	0.65 Litres
Cms	0.212 mm/N
Bl	18 T/m
Mms	74 g
Xmax	7.5 mm
Sd	855 cm <sup>2</sup>
Efficiency	4.42 %
Le (1k Hz)	1.42 mH
EBP	125 Hz
Effective Piston Diameter	13" / 330.2mm
Rec. Enclosure Volume	40 - 65 Litres

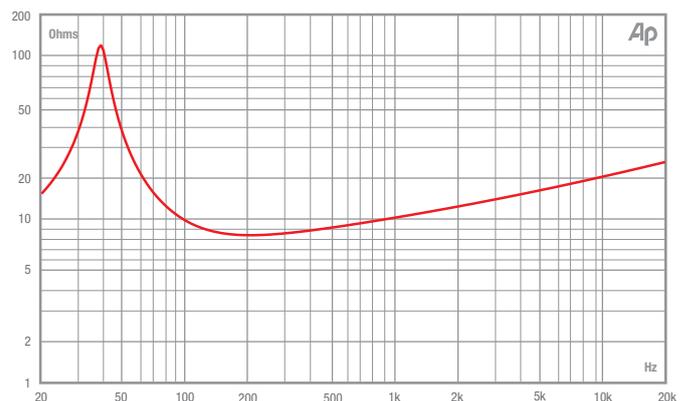
### MOUNTING / SHIPPING INFORMATION

Overall Diameter	16" / 406.4 mm
Width Across Flats	15.25" / 387.35 mm
Depth	6.5" / 165.1 mm
Flange Height	0.305" / 7.8 mm
Baffle Hole Diameter F/M	13.85" / 351.79 mm
Baffle Hole Diameter R/M	14" / 355.6 mm
<b>Chassis Material</b>	<b>Die-cast Aluminium</b>
Gasket Supplied	Front & Rear
Outer Fixing Holes	4x ø 7.1 mm on 393.7 mm PCD
Inner Fixing Holes	8x ø 7.1 mm on 370 mm PCD
Connectors <sup>(4)</sup>	Push-button Spring Terminals
<b>Weight</b>	<b>17.86 lb / 8.1 Kg</b>
Shipping Weight	19.5 lb / 8.85 Kg
Packing Carton Dimensions (mm)	(W) 440 (D) 440 (H) 220

### FREQUENCY RESPONSE DATA<sup>(3)</sup>



### IMPEDANCE



(1) Please enquire about alternative impedances.

(2) A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 45 Hz and 450Hz. Driver mounted in free air, test signal applied at rated power for two hours.

(3) Half space response measured in a 975 Litre sealed box. Blue line = fundamental 45° off-axis. 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.

(4) Positive voltage at red terminal causes forward motion of cone.