FC65175-1 PRELIMINARY SPECIFICATIONS

BASS / MID-RANGE DRIVER

6.5” / 165 mm CHASSIS DIAMETER

300 W PROGRAM POWER

75 Hz - 6 kHz FREQUENCY RESPONSE

1.75” / 45 mm VOICE COIL DIAMETER

92 dB SENSITIVITY (1W/ 1m)

3.75 mm Xmax MAX. LINEAR EXCURSION

- 6.5” neodymium magnet woofer providing
- 150Wrms (AES standard) power handling
- 1.75” high temperature CCAW voice coil
- Low harmonic distortion
- 92dB sensitivity
- Copper shorting ring for increased HF performance

GENERAL SPECIFICATIONS

Nominal Chassis Diameter	6.5” / 165 mm
Nominal Impedance (1)	8 Ohm
Minimum Impedance Zmin	6.36 Ω
AES Power Handling (2)	150 W (A.E.S.)
Program Power	300 W
Peak Power (6dB Crest Factor)	**600 W**
Frequency Range (-6dB)	75 Hz - 6 kHz
Sensitivity (1W/ 1m)	**92 dB**
Magnet Material	**Neodymium**
Magnet Weight	N/A
Magnetic Gap Depth	0.236” / 6.00 mm
Flux Density	1 Tesla
Former Material	Kapton
Voice Coil Material	CCAW
Coil Winding Height	0.59” / 15.00 mm
Voice Coil Diameter	**1.75” / 45.00 mm**
Cone/ Dust Dome Material	Paper / Paper
Surround / Edge Termination	Rubber Roll

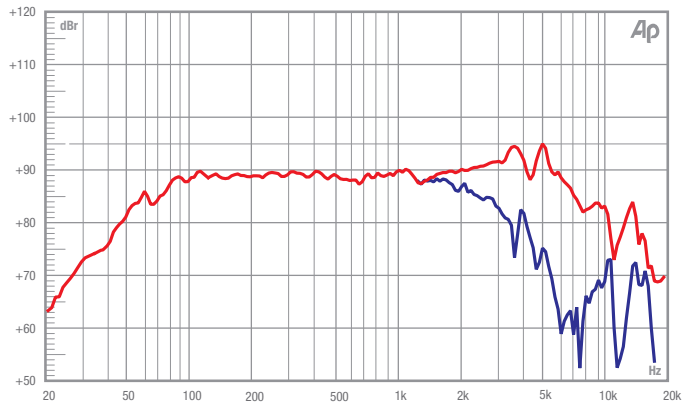
TECHNICAL & THIELE SMALL PARAMETERS

Fs	63 Hz
Re	5.3 Ω
Qms	6.030
Qes	0.487
Qts	0.450
Vas	11.74 Litres
Vd	0.0674 Litres
Cms	0.4558 mm/N
Bl	8.5 T/m
Mms	14 g
Xmax	5 mm
Sd	134.8 cm²
Efficiency	0.581 %
Le (1k Hz)	0.45 mH
EBP	129.36 Hz
Effective Piston Diameter	5.20” / 132.07 mm
Rec. Enclosure Volume	15 Litres

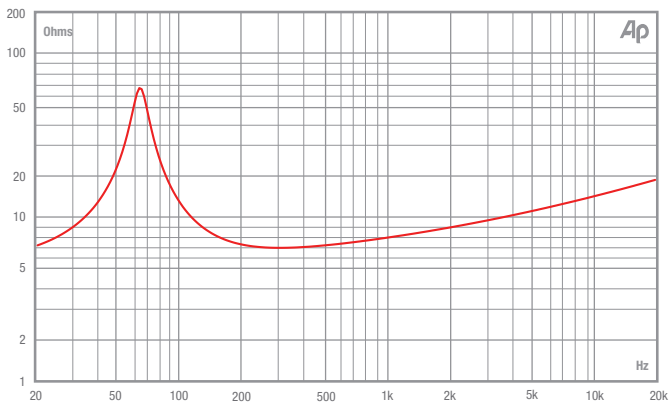
MOUNTING / SHIPPING INFORMATION

Overall Diameter	7.28” / 185 mm
Width Across Flats	N/A
Depth	3.03“ / 76.99 mm
Flange Height	3 mm
Baffle Hole Diameter F/M	5.78” / 146.81 mm
Baffle Hole Diameter R/M	N/A
Magnet Diameter	92 mm
Chassis Material	**Die-cast Aluminium**
Gasket Supplied	Front
Outer Fixing Holes	4x ø M5 mm on 172 mm PCD
Inner Fixing Holes	N/A
Connectors (4)	Tab / Solder
Weight	**3.08 lb / 1.40 Kg**
Shipping Weight	4.18 lb / 1.90 Kg
Packing Carton Dimensions (mm)	TBC

FREQUENCY RESPONSE DATA (3)



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 XX Hz and XX Hz. 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.*