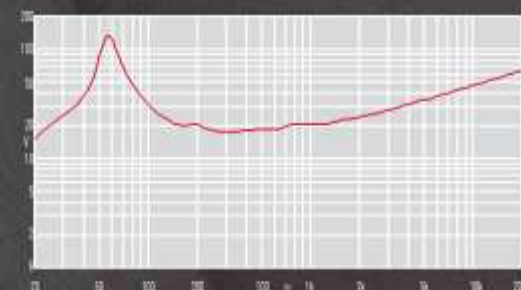# STUDIO 5FR

IMPEDANCE:

APPLICATION NOTES:

Exceptional efficiency, power handling and frequency coverage from compact dimensions. Primarily for full-range sound reinforcement and because of extended frequency response is also suited to multi-unit PA systems. Performance is optimised for full range singular / multiple use.

FREQUENCY RESPONSE DATA:[1]

[1] Half space response measured in a 975 litre sealed box

MATERIALS OF CONSTRUCTION

Former Material	Resin Bonded Glass Fibre
Voice Coil	Polyamid-Imide Coated
Magnet Material	APS Ferrite
Chassis	Die-cast Aluminium
Cone	Paper
Surround / Edge Termination	Rubber Roll
Dust Dome	Linen
Connectors	0.125" Tab/Solder
Polarity	Positive Voltage at Red Terminal Causes Forward Motion of Cone

ELECTRO ACOUSTIC SPECIFICATIONS

Nominal Chassis Diameter	5"
Impedance	4,8,16 Ω
Power Handling	35 (USA 70)
Usable Frequency Range -6dB	50Hz - 15kHz
Sensitivity 1 w - 1m	93dB
Moving Mass inc. Air Load	6 grams
Effective Piston Diameter	4.2" / 106 mm
Peak Displacement Volume of Cone Vd	0.05 litres
Magnet Weight	18 oz
Magnetic Gap Depth	0.250" / 6.35mm
Flux Density	1.4 Tesla
Coil Winding Height	0.315" / 8.0mm
Voice Coil Diameter	1.0" / 25mm

THIELE SMALL PARAMETERS

FS Hz	43 Hz
RE Ohms	6.2 Ω
Qms	5.8
Qes	0.28
Qts	0.27
Vas Ltr	2.4
Vd Litres	0.05
CMS (mm/N)	22
BL T/m	5
Mms (grms)	6
Efficiency %	1.1

MOUNTING / SHIPPING INFORMATION

Overall Diameter	6" / 152.4 mm
Width Across Flats	5.25" / 133.35 mm
Flange Height	0.270" / 6.9 mm
Baffle Hole Diameter F/M	4.63" / 117.5 mm
Baffle Hole Diameter R/M	4.50" / 114.3 mm
Gasket Supplied	Front & Rear
Fixing Holes	4 x 0.218" / 5.5 dia x 5.468/138.8 PCD
Depth	2.63" / 67 mm
Weight	3.1 lb / 1.37 kg
Recommended Enclosure Volume	0.7 - 3.0 cu ft / 2-10 litres
Shipping Weight	3.1 lb / 1.37 kg
Packing Carton Dimensions	156 x 102 x 143 mm

• 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.