

15" CONE LOUDSPEAKERS

SPECIFICATIONS

Driver Type	K15/40	AK150	AK151	AK152
Power Rating	100 watts	100 watts	100 watts	100 watts
Frequency Response (Nominal)	50 - 8000 Hz	30 - 5000 Hz	50 - 8000 Hz	30 - 5000 Hz
Bass Resonance (Nominal)	45 Hz	30 - 35 Hz	45 Hz	30 - 35 Hz
Impedance (Nominal)	15 ohms	15 Ohms	7.5 Ohms	7.5 Ohms
D.C Resistance of Voice Coil	11 - 13 Ohms	11 - 13 Ohms	5.5 - 6.5 Ohms	5.5 - 6.5 Ohms
Replacment Cone Assembly	VX15/131	VX15/132	VX15/133	VX15/134
Finish	Bronze Enamel	Bronze Enamel	Blue Enamel	Blue Enamel
Chassis Type	_____ Cast aluminium _____			
Cone Type	_____ Paper (field replaceable) _____			
Magnet Type	_____ Alcomax III _____			
Magnet Weight	_____ 2.1Kg _____			
Total effective Flux	_____ 260,000 maxwells _____			
Flux density	_____ 14,000 Gauss _____			
Cone Diameter	_____ 15" (381mm) _____			
Piston Diameter	_____ 11" (279.4mm) _____			
Voice Coil Diameter	_____ 2.25" _____			
Net Weight	_____ 10.5Kg _____			

AK151

THIELE SMALL PARAMETERS

Parameter		
Free Air Resonance	F ₀	46.5Hz
DC Resistance	R _E	6.39 Ohms
Nominal Impedance	Z	7.5 Ohms
Moving Mass (inc. air load)	M _{MS}	57.3g
Suspension Compliance	C _{MS}	2.02 x 10 ⁻⁴ mN ⁻¹
Equivalent Volume	V _{AS}	129.8 litres
Mechanical Q Factor	Q _{MS}	5.59
Electrical Q Factor	Q _{ES}	0.279
Total Q Factor	Q _{TS}	0.266
Effective Cone Area	S _D	.0675 m ²
Force Factor	Bl	19.6 Tm
Voice Coil Inductance @ 1kHz	L _E	2.0 mH
Sensitivity	SPL	100 dB@1W@1m

Drive unit subject to 48 hr 'break-in' period prior to measurement.

All measurements recorded in anechoic chamber. Details of methodology available upon request.

