



specifications - general



system

Frequency Response	35Hz
Crossover Frequency	
Crossover Type	Acou
3rd Harmonic Distortion @ 90dB SPL, 1m	500 - 200 - <200
Acoustic Output - SPL @ 1m Long Term (80Hz - 20kHz) Peak (80Hz - 20kHz)	111d 114d
Signal Input	Com
Input Sensitivity	.755
AC Input Voltage	110-1 90-11
AC Input Connector	2-Pin
Average Long-Term Power Consumption	220 v
Quiescent Power Consumption	

– 22kHz (see graph))Hz ustic 8th Order (48dB/Oct) 7kHz - 0.08% 20kHz - 0.2% 0Hz - 1.5% łΒ dΒ bo XLR, ¼" TRS (bal/unbal)

v/rms is 0dBu

120V or 220-240V (selectable) 10V (Japan) n IEC

watts

watts

physical

Cabinet Volume **Cabinet Construction**

Cabinet Finish

Low Frequency Vents

Waveguide Construction

Waveguide

Mounting Points

Cabinet Dimensions

Cabinet Weight

Shipping Dimensions

Shipping Weight

Operating Temperature Range

Agency Approvals

28 Litres

High Pressure Injection-Moulded Aluminium

Black Powdercoat

Two Variable Impedance Ports (patent pending)

High Pressure Injection-Moulded Aluminium

Elliptical waveguide - Rotatable

Four each M8 Omni-mount Pattern

295mmW x 450mmH x 273mmD 11.6"W x 17.7"H x 10.8"D

21.2kg 46.74lb

390mmW x 575mmH x 380mmD 15.4"W x 22.6"H x 15"D

24.3kg 53.57lb

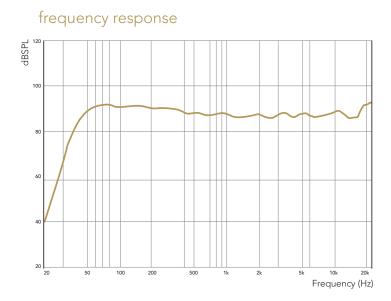
5-35 ° C / 40-95 ° F

CE, UL, CCC, C-Tick, SASO, NON, EK, PSE

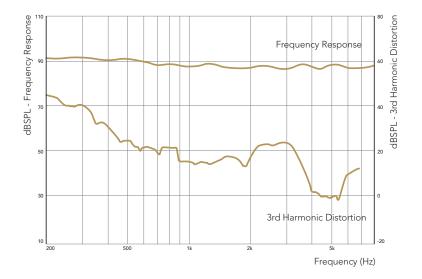


specifications - graphs





frequency response vs 3rd harmonic distortion





specifications - drivers



low frequency transducer - EX8

Piston Diameter	180mm (7.1")
Voice Coil Configuration	X-Coil double Low distortion design
Voice Coil Diameter	66mm (2.6")
Shortening Coil Diameter	65.2mm (2.56")
Former Material	High Strength Polyamide - Glass Fiber
Voice Coil Wire	Copper Clad Al
Magnet Type	Neodymium
Magnetic Gap Design	XBL - Split Gap
Impedance Nominal in Cabinet	5 Ohms
Cone Type	Carbon fiber composite
Power Handling Continuous Pink Noise Program Power Peak Power	240 watts 360 watts 720 watts

high frequency transducer - ULD1

Dome Diameter	25.4mm (1")
Voice Coil Diameter	25.0mm (0.98")
Magnet Type	Neodymium
Impedance DCr	6 Ohms
Impedance Nominal in Cabinet	5 Ohms
Dome Type	Beryllium Copper
Power Handling Continuous Pink Noise Program Power Peak Power	25 watts (above 1.6kHz) 50 watts (above 1.6kHz) 100 watts (above 1.6kHz)



specifications - amplifiers



low frequency amplifier

Frequency Response	20Hz - 20kHz (±0.1dB)
Operating Band Pass	20Hz - 1,600Hz
Total Harmonic Distortion	0.009% @ 300 watts into 5 ohm load
Voltage Gain	24dB
Long Term Power @ 5 Ohms*	270 watts
Continuous Power @ 5 Ohms**	387 watts
Burst Power @ 5 Ohms***	600 watts
Output Topology	Class AB
Cooling	Convection - Aluminium Heat Sink

high frequency amplifier

Frequency Response	20Hz - 20kHz (±0.1dB)
Operating Band Pass	1,600Hz - 20,000Hz
Total Harmonic Distortion	0.003% @ 90 watts into 5 ohm load
Voltage Gain	15dB
Long Term Power @ 5 Ohms*	50 watts
Continuous Power @ 5 Ohms**	112 watts
Burst Power @ 5 Ohms***	140 watts
Output Topology	Class AB
Cooling	Convection - Aluminium Heat Sink

 * $\,$ $\,$ Both high frequency and low frequency were measured simultaneously for this specifictation.

** Continuous power was measured using 1kHz sine wave signal

*** Burst power was measured using a 1kHz burst tone waveform where the burst portion contains four cycles (on) and the low level (off) signal contains 200 cycles. This test signal succinctly represents the strain and demands placed on the amplifier by music content containing high transients.







specifications