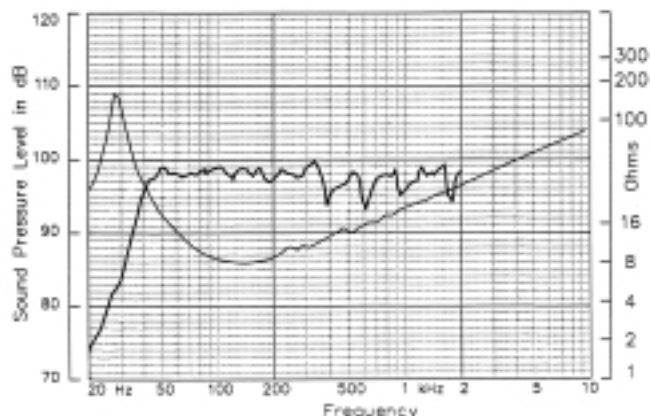


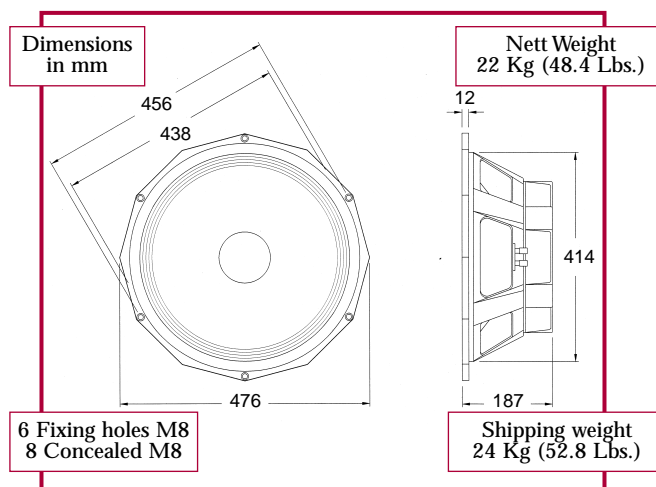


## RESPONSE & IMPEDANCE DETAIL



Response measured in a half space environment using a vented enclosure of 164 litres.

## MECHANICAL DATA



## TECHNICAL SPECIFICATION

Nominal Diameter	46cm (18")
Power rating <sup>1</sup>	800 Watts
Frequency range	35 - 2000 Hz
Nominal Impedance	8 Ohms
Sensitivity <sup>2</sup> (1 W 1 M)	98 dB
Highest Recommended Crossover <sup>3</sup>	400 Hz
Resonance	30 Hz
Enc. Vol. Recommended	90 to 220 Litres
Effective Piston Diameter	382 mm (15.05")
Displacement limit	32 mm (1.26")
Voice coil diameter	127 mm (5")
Voice coil	Copper
Voice coil winding depth	28 mm (1.1")
Voice coil wire length	48.9M (160.5')
Magnet gap depth	11.5 mm (0.453")
Magnet material/mass	Ceramic/4.8 Kg (170 oz.)
Magnetic assembly total mass	17.27 Kg (38 Lbs.)
Flux Density	11,800 Gauss
BL product	31.57 Tesla/M
Effective Moving Mass	216.4 grams
Connectors	Spring loaded push button metal bodied
Polarity	Positive Voltage on Red Terminal gives forward cone motion

### Notes

1. AES Standard (35 to 350 Hz) Program 1600 Watts
2. Sensitivity is derived from the sine wave response between 50 - 350 Hz at 5W/2M using Zmin. It is then scaled to represent 1W/1M. It should be noted that not all manufacturers' sensitivity figures are based on this AES Recommended Practice.
3. In less demanding applications, the crossover point may be higher.

## THIELE - SMALL PARAMETERS

<b>Fs</b>	30 Hz	<b>Pmx</b>	800 Watts
<b>Xmax</b>	11.25 mm	<b>Qes</b>	0.22
<b>Revc</b>	5.4 Ohms	<b>Cms</b>	133 µM/N
<b>Vd</b>	13 x 10 <sup>-4</sup> m <sup>3</sup>	<b>Vas</b>	249 Litres
<b>Qts</b>	0.21	<b>Mms</b>	216.4 grams
<b>No</b>	2.88%	<b>Sd</b>	1150 sq cm
<b>Qms</b>	6.04	<b>BL</b>	31.57 T/m

### Notes

4. Thiele - Small Parameters follow a 800 Watt preconditioning period.