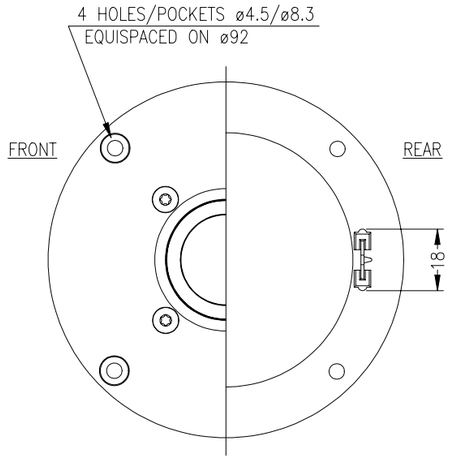
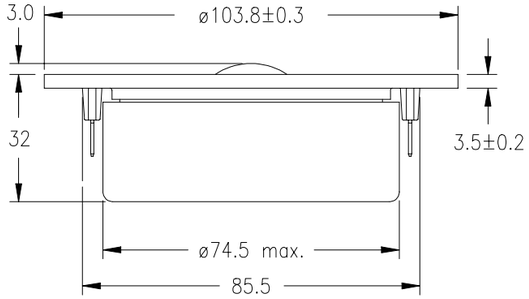
seas

OF NORWAY

H1210

TWEETER 27TDFC/TV

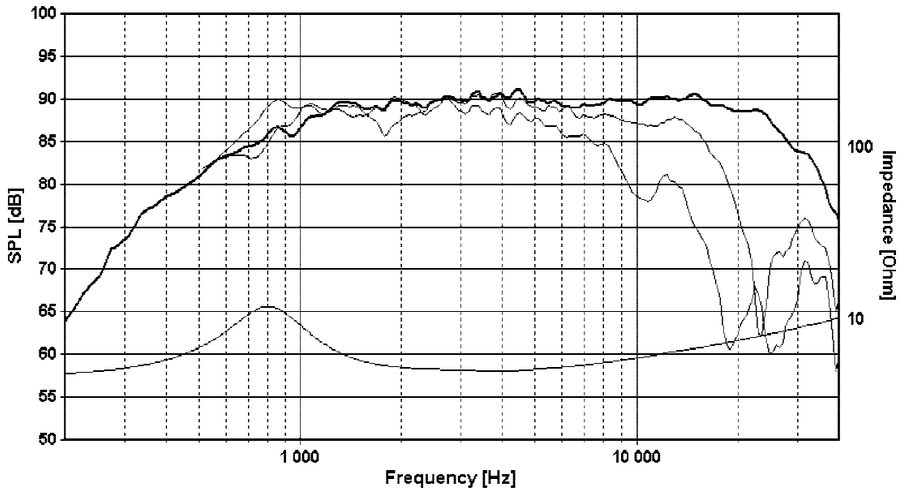




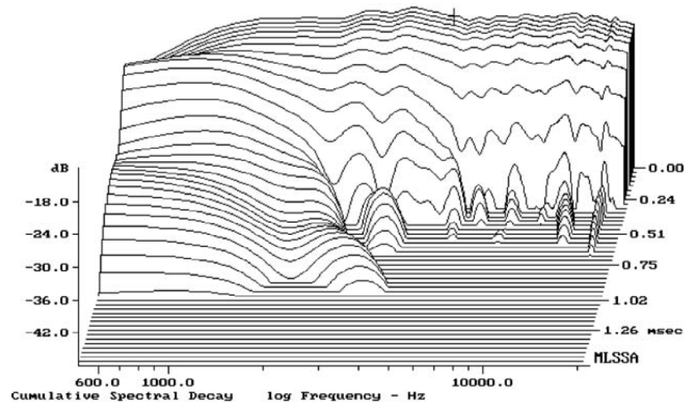
27mm High Definition precoated fabric dome tweeter with a wide, soft polymer surround. The dome and surround materials give high consistency and excellent stability against variations in air humidity. The voice coil is wound on an aluminum voice coil former with adequate ventilating holes to eliminate noise from internal air flow. The voice coil is immersed in low viscosity magnetic fluid for high power handling capacity and simplified crossover design. A shielded magnet system allows use in close proximity to video screens and TV sets. Using the screening can as a rear chamber with optimal acoustic damping allows 27TDFC/TV to be used with moderately low crossover frequencies. The chassis is precision moulded from glass fibre reinforced plastic, and its front design offers optimum radiation conditions.

NOTES

Response curves in 0, 30 and 60 degrees angels, recorded in anechoic chamber (Free-field, 4 pi radiation) with 0.5m microphone distance. The loudspeaker is mounted in a 0.6m by 0.8m baffle.



Cumulative spectral decay



NOMINAL IMPEDANCE	6	Ohms	VOICE COIL RESISTANCE	4.8	Ohms
RECOMMENDED FREQUENCY RANGE	2000-25000	Hz	VOICE COIL INDUCTANCE (EQUIVALENT)	0.05	mH
SHORT TERM MAXIMUM POWER*	220	W	VOICE COIL DIAMETER	26	mm
LONG TERM MAXIMUM POWER*	90	W	VOICE COIL HEIGHT	1.5	mm
CHARACTERISTIC SENSITIVITY (2.83V,1m)	90	dB SPL	MOVING MASS	0.37	g
			EFFECTIVE PISTON AREA	7.5	sq.cm
			LINEAR COIL TRAVEL (p-p)	0.5	mm
AIR GAP HEIGHT	2.0	mm			
MAGNETIC GAP FLUX DENSITY	1.5	T	FREE AIR RESONANCE	800	Hz
FORCE FACTOR	2.8	N/A			
MAGNET WEIGHT	0.4	Kg			
TOTAL WEIGHT	0.5	Kg			

* IEC 268-5, VIA HIGH PASS BUTTERWORTH FILTER: 3500 Hz 12 dB/oct.