

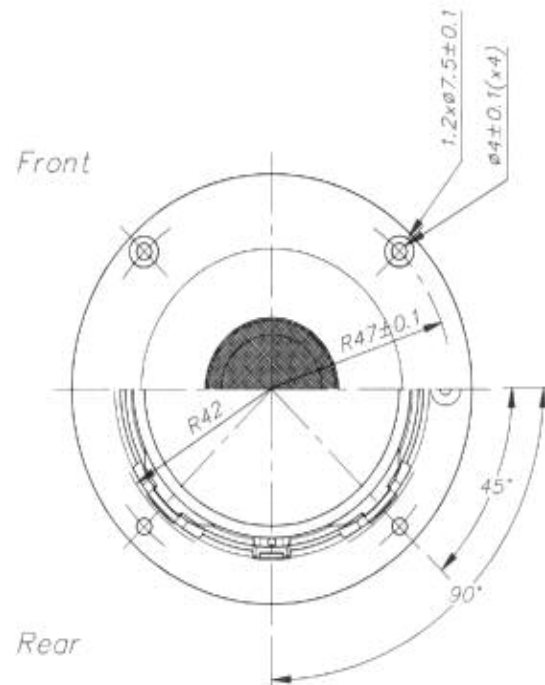
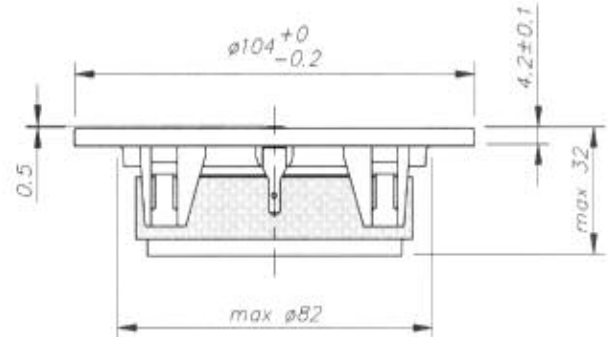
# 1" TWEETER

## TTE25

### SPECIAL FEATURES:

- COATED FABRIC DIAPHRAGM
- LINEAR RESPONSE FACEPLATE
- LARGE CAVITY BELOW SUSPENSION
- HIGH STABILITY FERROFLUID
- DAMPED CAVITY IN POLEPIECE

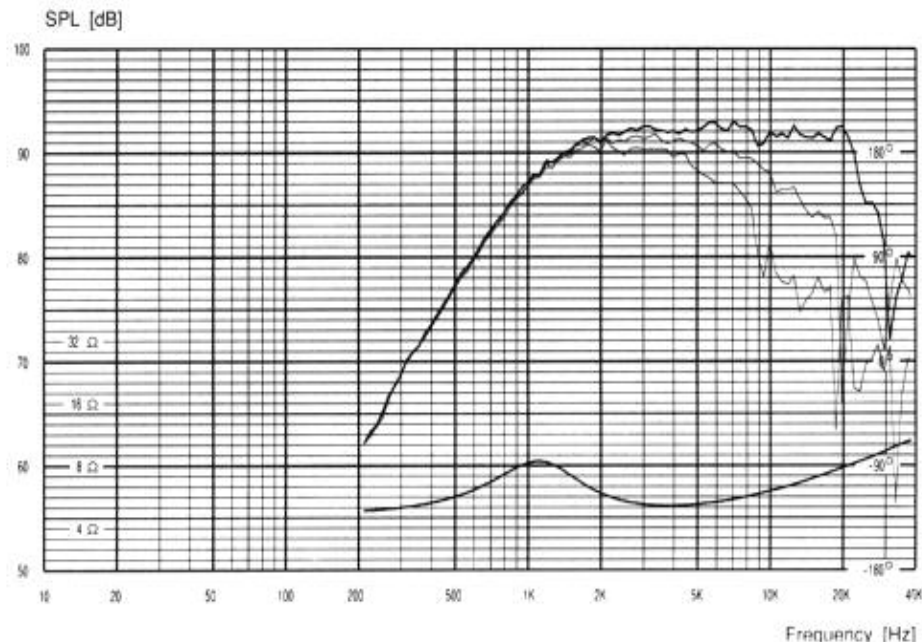
NOMINAL IMPEDANCE	6 $\Omega$
VOICE COIL RESISTANCE	4.6 $\Omega$
NOMINAL POWER (IEC 268-5)	90 W <sup>1)</sup>
SHORT TERM MAX. POWER (IEC 268-5)	400 W <sup>2)</sup>
LONG TERM MAX. POWER (IEC 268-5)	200 W <sup>3)</sup>
OPERATING POWER	3.9 W
SENSITIVITY (1W, 1m) / (2.83V, 1m)	90/91 dB
FREQUENCY RANGE	2-20 kHz
FREE AIR RESONANCE	1150 Hz
VOICE COIL DIAMETER	25 mm
VOICE COIL HEIGHT	1.6 mm
AIR GAP HEIGHT	2.5 mm
EFFECTIVE DIAPHRAGM AREA	7.1 cm <sup>2</sup>
MOVING MASS (incl. air)	0.37 g
MAGNET WEIGHT (8.5 oz)	240 g
FORCE FACTOR, BxI	2.9 Txm
Vas	0.004 ltr
Rms	2.43 Ns/m
Qms	1.10
Qes	1.48
Qts	0.63



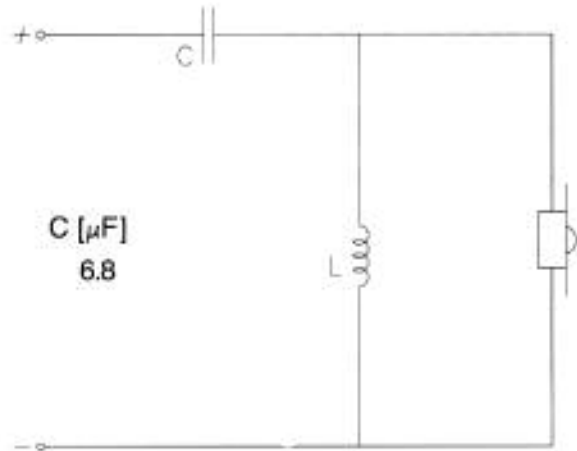
### DISPERSION PLOT 0, 30 and 60 deg.

Input: 2.83 V  
Mic.: 1 m

Mounted in  
infinite baffle.



Anechoic room 6x7x8 meters.  
Half space free-field above 100 Hz.  
Brüel & Kjær 2012 Audio Analyzer.



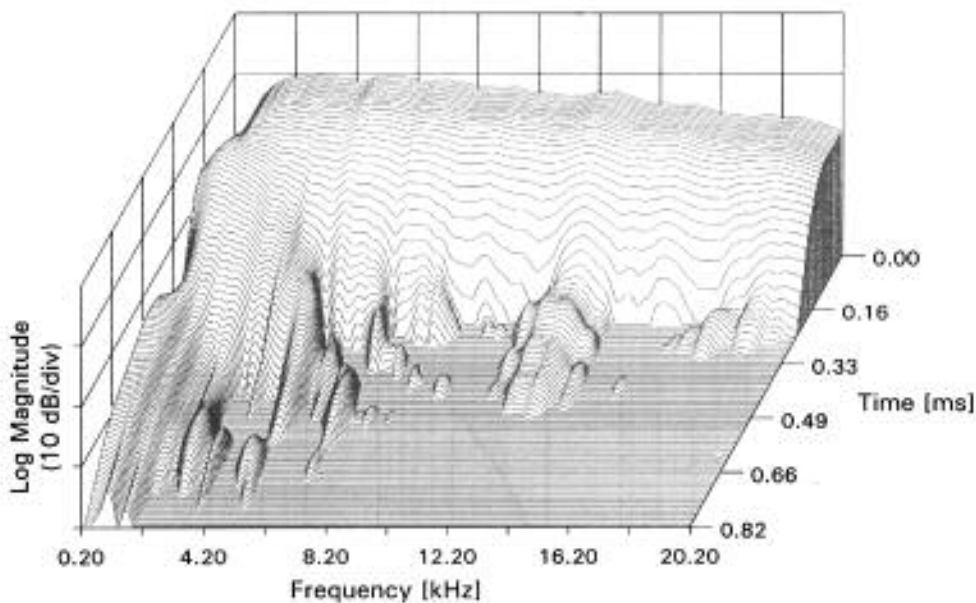
Recommended crossover:

Nom. power [W]	Fc [Hz]	L [mH]	C [ $\mu$ F]
90	3500	0.55	6.8

It is recommended to use at least 2'nd order (12 dB/oct) crossover for this drive unit. The load provided by the crossover should be as low as possible at the tweeter resonance frequency. To ensure maximum electrical damping at resonance, and consequently minimum excursion, it is also recommended to apply a parallel compensation circuit. This is essential for high power input. Such a circuit has been used for the powerhandling tests.

Note 1-3) Power test conditions: Amb. temp. 21°C  $\pm$  3°C. Note 1) 100 hours continuous. Note 2) Signal 1 sec., pause 1 min., repeated 60 times. Note 3) Signal 1 min., pause 2 min., repeated 10 times.

**CUMULATIVE SPECTRAL DECAY PLOT**



MLS impulse response  
Samp. freq.: 120 kHz  
Time window: 5.0 ms  
Mic. distance: 0.15 m  
Conditions:  
Infinite baffle