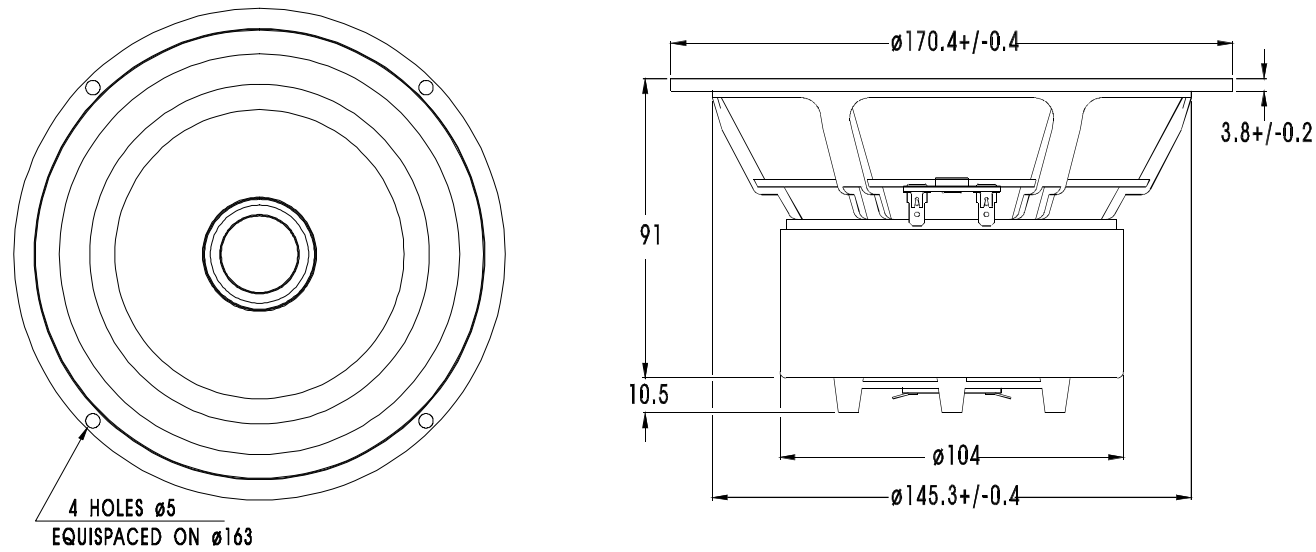


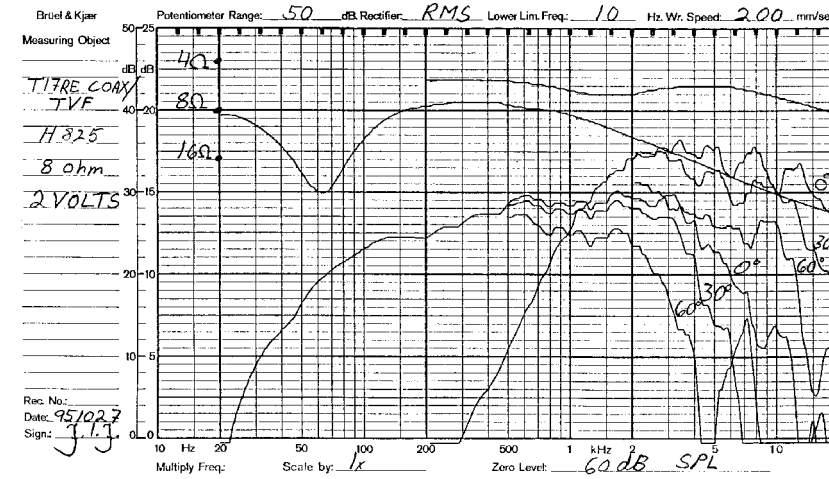
COAXIAL T17RE COAX/TVF



T17RE COAX/TVF, 6.5" A coaxial arrangement of our woofer T17RE and a precoated fabric dome high frequency unit, based on 25TFFN/G. The cone of the woofer acts as a horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn. Unlike most traditional coaxial loudspeakers, this arrangement has two advantages: The two drive units have identical acoustic centers, and their directivities in the crossover frequency region are practically identical. Thus, it is possible to build a full range Hi Fi system with a symmetrical and stable radiation pattern combined with a smooth energy response. A compensation magnet and a shielding cup is mounted on the woofer magnet system to eliminate magnetic stray fields, hence the unit can be used very close to CRT's in audio/video applications.

NOTES

Response curve recorded in anechoic chamber (Free-field, 4 pi radiation) with 0.5m microphone distance. The loudspeaker is mounted in a closed box of 12 l net. volume



TECHNICAL DATA DOME TWEETER.

| | | | |
|-------------------------------------|--------------|------------------------------------|-----------|
| NOMINAL IMPEDANCE | 6 Ohms | VOICE COIL RESISTANCE | 4.8 Ohms |
| RECOMMENDED FREQUENCY RANGE | 3000-25000Hz | 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 (1W, 1m) | 89 dB SPL | MOVING MASS | 0.3 g |
| OPERATING POWER (96 dB SPL, 1 m) | 5 W | EFFECTIVE PISTON AREA | 7.0 sq.cm |
| AIR GAP HEIGHT | 2.0 mm | LINEAR COIL TRAVEL (p-p) | 0.5 mm |
| MAGNETIC GAP FLUX DENSITY | 1.3 T | FREE AIR RESONANCE | 1800 Hz |
| FORCE FACTOR | 2.45 N/A | | |

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

TECHNICAL DATA CONE DRIVER

| | | | |
|-------------------------------------|------------|------------------------------------|-------------|
| NOMINAL IMPEDANCE | 8 Ohms | VOICE COIL RESISTANCE | 6.1 Ohms |
| RECOMMENDED FREQUENCY RANGE | 40-3000 Hz | VOICE COIL INDUCTANCE (EQUIVALENT) | 0.6 mH |
| SHORT TERM MAXIMUM POWER * | 250 W | FORCE FACTOR | 7.9 N/A |
| LONG TERM MAXIMUM POWER * | 80 W | FREE AIR RESONANCE | 38 Hz |
| CHARACTERISTIC SENSITIVITY (1W, 1m) | 87 dB SPL | MOVING MASS | 16.0 g |
| OPERATING POWER (96 dB SPL, 1 m) | 8.0 W | AIR LOAD MASS IN IEC BAFFLE | 1.0 g |
| VOICE COIL DIAMETER | 39 mm | SUSPENSION COMPLIANCE | 1.1 mm/N |
| VOICE COIL HEIGHT | 12 mm | SUSPENSION MECHANICAL RESISTANCE | 3.0 Ns/m |
| AIR GAP HEIGHT | 6.0 mm | EFFECTIVE PISTON AREA | 120 sq.cm |
| LINEAR COIL TRAVEL (p-p) | 6.0 mm | | |
| MAXIMUM COIL TRAVEL (p-p) | 19 mm | VAS | 20.8 Litres |
| MAGNETIC GAP FLUX DENSITY | 0.87 T | QMS | 1.35 |
| MAGNET WEIGHT | 0.84 Kg | QES | 0.40 |
| TOTAL WEIGHT | 2.20 Kg | QTS | 0.31 |

* = IEC 268-5