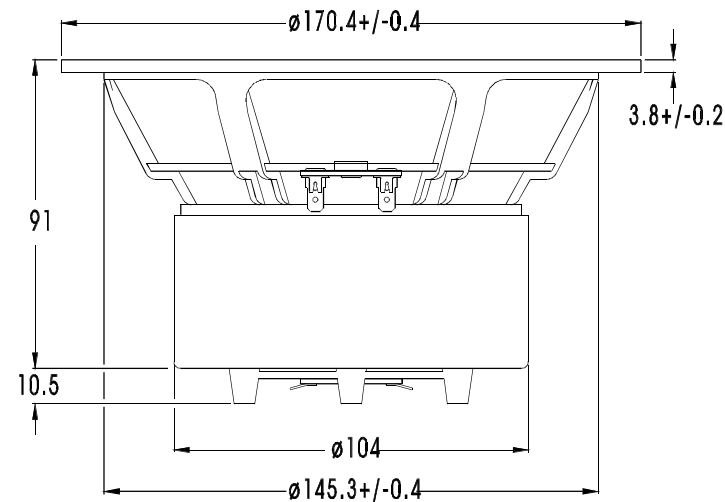
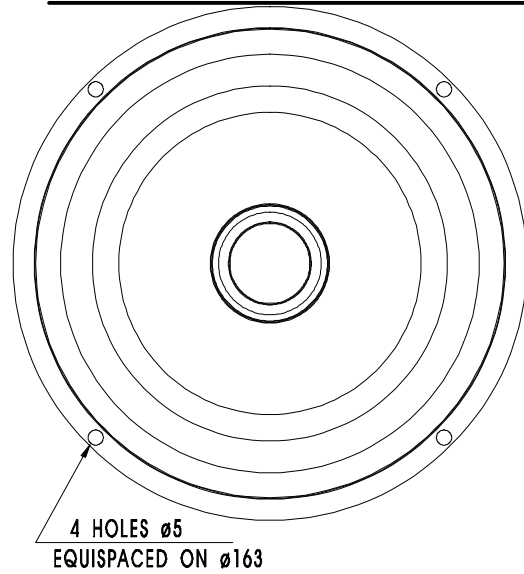


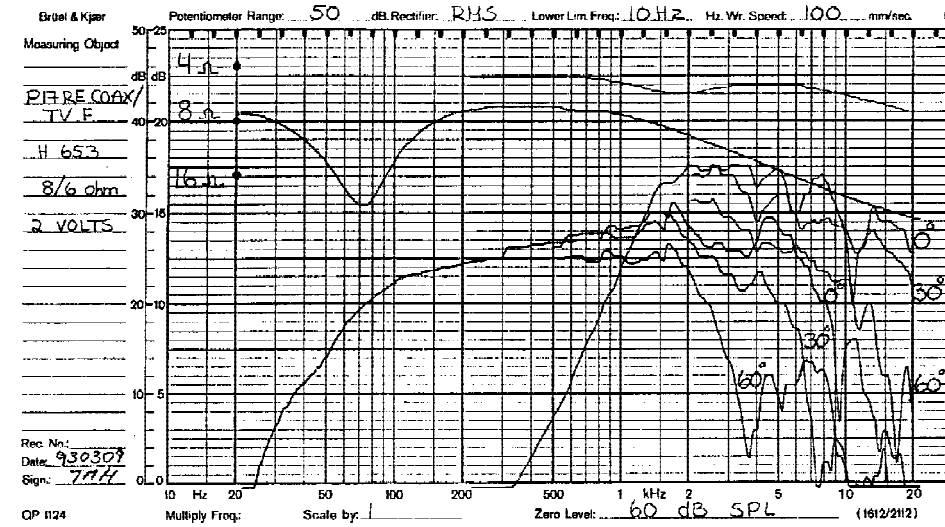
### COAXIAL

### P17RE/XTVF



P17RE/XTVF, 6.5" A coaxial arrangement of our woofer P17RE/P 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



#### TECHNICAL DATA DOME TWEETER.

|                                     |               |                                    |           |
|-------------------------------------|---------------|------------------------------------|-----------|
| NOMINAL IMPEDANCE                   | 6 Ohms        | VOICE COIL RESISTANCE              | 4.8 Ohms  |
| RECOMMENDED FREQUENCY RANGE         | 3000-25000 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 (1W, 1m) | 89 dB SPL     | MOVING MASS                        | 0.3 g     |
|                                     |               | EFFECTIVE PISTON AREA              | 7.0 sq.cm |
|                                     |               | LINEAR COIL TRAVEL (p-p)           | 0.5 mm    |
| AIR GAP HEIGHT                      | 2.0 mm        | FREE AIR RESONANCE                 | 1800 Hz   |
| MAGNETIC GAP FLUX DENSITY           | 1.3 T         |                                    |           |
| 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                       | 7.4 N/A     |
| LONG TERM MAXIMUM POWER *           | 100 W      | FREE AIR RESONANCE                 | 35 Hz       |
| CHARACTERISTIC SENSITIVITY (1W, 1m) | 88 dB SPL  | MOVING MASS                        | 14.5 g      |
|                                     |            | AIR LOAD MASS IN IEC BAFFLE        | 1.0 g       |
|                                     |            | SUSPENSION COMPLIANCE              | 1.4 mm/N    |
| VOICE COIL DIAMETER                 | 39 mm      | SUSPENSION MECHANICAL RESISTANCE   | 2.0 Ns/m    |
| VOICE COIL HEIGHT                   | 12 mm      | EFFECTIVE PISTON AREA              | 120 sq.cm   |
| AIR GAP HEIGHT                      | 6.0 mm     |                                    |             |
| LINEAR COIL TRAVEL (p-p)            | 6.0 mm     | VAS                                | 26.9 Litres |
| MAXIMUM COIL TRAVEL (p-p)           | 19 mm      | QMS                                | 1.7         |
|                                     |            | QES                                | 0.38        |
| MAGNETIC GAP FLUX DENSITY           | 0.87 T     | QTS                                | 0.31        |
| MAGNET WEIGHT                       | 0.84 Kg    |                                    |             |
| TOTAL WEIGHT                        | 2.20 Kg    |                                    |             |

\* = IEC 268-5