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OF NORWAY

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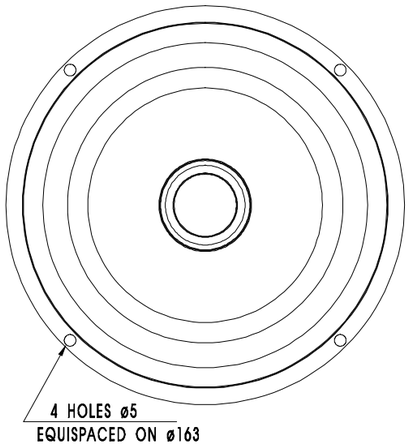
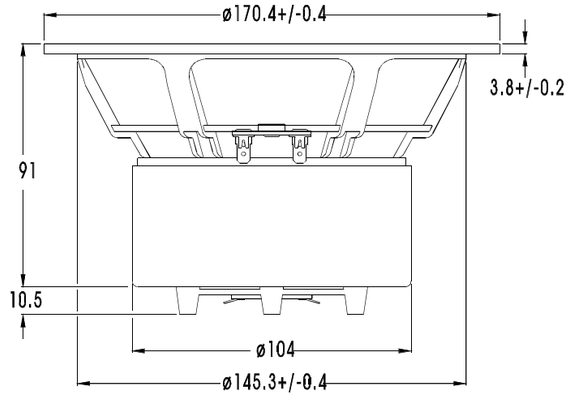
COAXIAL T17RE COAX/TVF

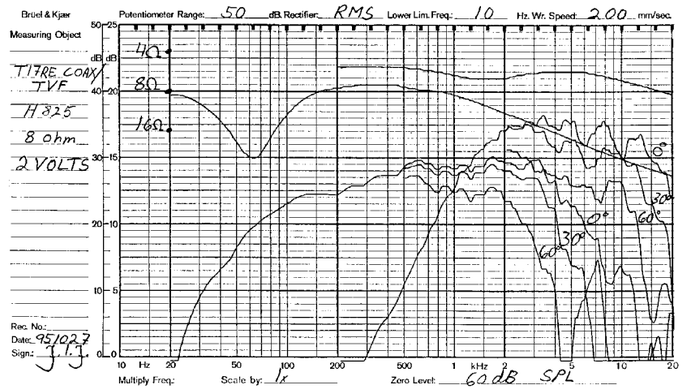




T17RE COAX/TVF, 6.5" A coaxial arrangement of our woofer T17RE and a precoated fabric dome high frequency unit, based on 25TFFN/G. The cone of the woofer acts as a horn loading for the tweeter, and the chassis of the dome unit represents the throat of this horn. Unlike most traditional coaxial loudspeakers, this arrangement has two advantages: The two drive units have identical acoustic centers, and their directivities in the crossover frequency region arepractically 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	3000-25000	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
OPERATING POWER (96 dB SPL , 1 m)	5	W	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	7.9	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
			SUSPENSION COMPLIANCE	1.1	mm/N
VOICE COIL DIAMETER	39	mm	SUSPENSION MECHANICAL RESISTANCE	3,0	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			
MAXIMUM COIL TRAVEL (p-p)	19	mm	VAS	20.8	Litres
			QMS	1.35	
MAGNETIC GAP FLUX DENSITY	0.87	T	QES	0.40	
MAGNET WEIGHT	0.84	Kg	QTS	0.31	
TOTAL WEIGHT	2.20	Kg			

* = IEC 268-5

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