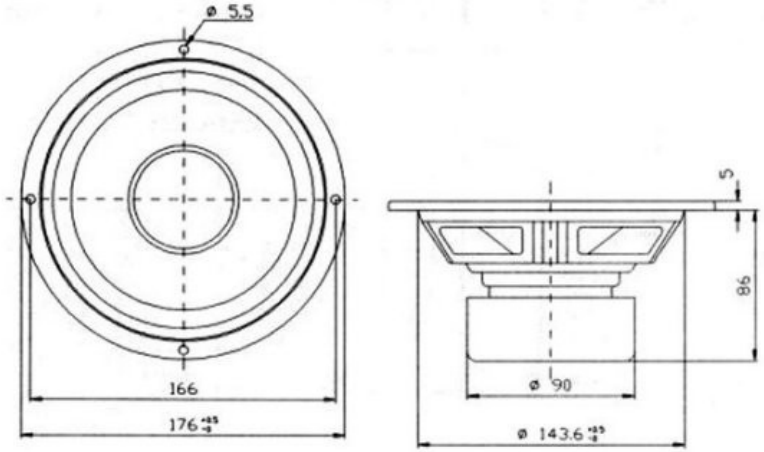
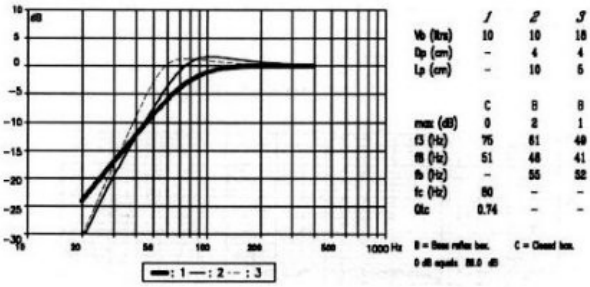
6½" Woofer 831975 176 WR 26 72 PPB TV 8Ω





	1	2	3
Vb (ltrs)	10	10	18
Dp (cm)	-	4	4
Lp (cm)	-	10	6
	C	B	B
max (dB)	0	2	1
f3 (Hz)	75	61	49
fB (Hz)	51	48	41
fb (Hz)	-	55	52
fc (Hz)	80	-	-
Qtc	0.74	-	-

B = Bass reflex box. C = Closed box.
0 dB equals 88.0 dB

Shielded 6½" woofer with polypropylene cone and rubber surround. This speaker is made especially for use in systems which have to be placed nearby stray field sensitive equipment such as a television set or a computer monitor. A common application is for a center speaker in a surround system.

Thiele Small parameters:

			Free air	Common	Baffled
Nominal impedance	Zn	(Ω)		8	
Minimum impedance/at freq.	Zmin	(Ω/Hz)		6.3 / 266	
Maximum impedance	Zo	(Ω)		31.6	
Dc resistance	Re	(Ω)		6.0	
Voice coil inductance	Le	(mH)		1.3	
Capacitor in series with 8 Ω (for impedance compensation)	Cc	(μF)		8	
Resonance Frequency	fs	(Hz)	42.7		41.0
Mechanical Q factor	Qms		1.94		2.02
Electrical Q factor	Qes		0.46		0.47
Total Q factor	Qts		0.37		0.38
F (Ratio fs/Qts)	F	(Hz)			107
Mechanical resistance	Rms	(Kg/s)		1.62	
Moving mass	Mms	(g)	11.7		12.7
Suspension compliance	Cms	(mm/N)		1.18	
Effective cone diameter	D	(cm)		12.9	
Effective piston area	Sd	(cm²)		130	
Equivalent volume	Vas	(ltrs)		27.6	
Force factor	Bl	(N/A)		6.4	
Reference voltage sensitivity Re 2.83V 1m at 266 Hz (Calculated)		(dB)			89.0

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	26
Voice coil length	h	(mm)	13
Voice coil layers	n		2
Flux density in gap	B	(T)	0.99
Total useful flux		(mWb)	0.69
Height of the gap	hg	(mm)	6
Diameter of magnet	dm	(mm)	72+72
Height of magnet	hm	(mm)	15+15
Weight of magnet		(kg)	.23+.23

Max linear SPL: