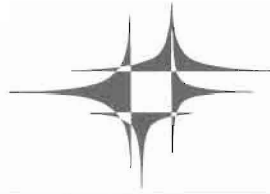


5" WOOFER



832591

130 WR 26 72 PPB 4Ω

nov. 1991

Thiele Small parameters:

		Free air	Common	Baffled
Nominal impedance	Znom (Ω):		4.0	
Minimum impedance/at freq.	Zmin (Ω/Hz):		4.2/278	
Maximum impedance	Zo (Ω):		20.7	
Dc resistance	Re (Ω):		3.7	
Voice coil inductance	Le (mH):		0.8	
Capacitor in series with 4Ω (For impedance compensation)	Cc (μF):		32	
Resonance frequency	fs (Hz):	51.5		49.8
Mechanical Q factor	Qms :	2.24		2.32
Electrical Q factor	Qes :	0.49		0.51
Total Q factor	Qts :	0.41		0.42
F (Ratio fs/Qts)	F (Hz):			119
Mechanical resistance	Rms (kg/s):		1.23	
Moving mass	Mms (g):	8.5		9.1
Suspension compliance	Cms (mm/N):		1.12	
Effective cone diameter	D (cm):		10.4	
Effective piston area	Sd (cm²):		85.0	
Equivalent volume	Vas (ℓ):		11.5	
Force factor	BL (N/A):		4.6	
Reference Voltage Sensitivity Re 2.83V 1m at 278 Hz (Calculated)	(dB):			88.8

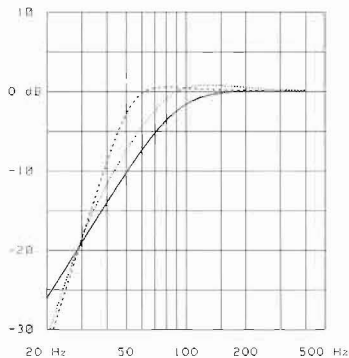
Magnet and voice coil parameters:

Voice coil diameter	d (mm):	26
Voice coil length	h (mm):	11.0
Voice coil layers	n :	2
Flux density in gap	B (T):	0.94
Total useful flux	Φ (mWb):	0.64
Height of the gap	hg (mm):	6
Diameter of magnet	dm (mm):	72
Height of magnet	hm (mm):	15
Weight of magnet	(kg):	0.23

Power handling:

Longterm Max System Power (IEC)	(W):	100
Max linear SPL (rms)/by power	(dB/W):	102/100
Frequency range for test signal:		20-5000 Hz
Normal programme material signal with a crest factor of 6dB (IEC 268-5) is used in both tests		

Boxsimulation.



V (B)	f (3)	f (B)	f (C)	Qts	Lp	Fb	Dp
	Hz	Hz	Hz		cm	Hz	cm
4	82	57	90	0.76			
8	65	48			12.0	50	3.0 B
12	49	41			15.0	52	5.0 B

Frequency response and impedance curve.

