VIOLETT HR active data sheet 2004

HIGH LIGHTS

2 identical 120W amplifier
- Eliminates time related distortion

Digital "quick delivery" power supply
- Cycles 2000 times faster
  - Hum canceling
  - Tight and accurate Low End

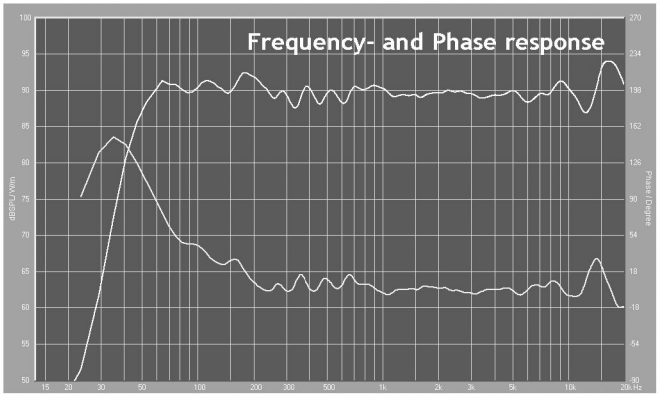
CARBON Woofer
- 18cm Carbon/Paper membrane
  - Resonant free Cone

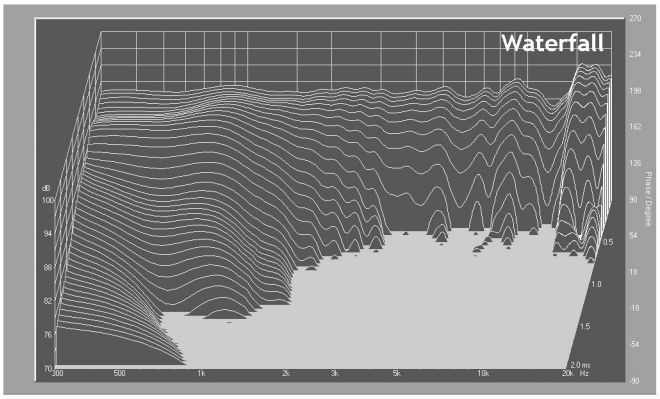
SILK DOME NEODYMIUM Tweeter
- 28mm silk dome Neodymium
  - Superior transient response

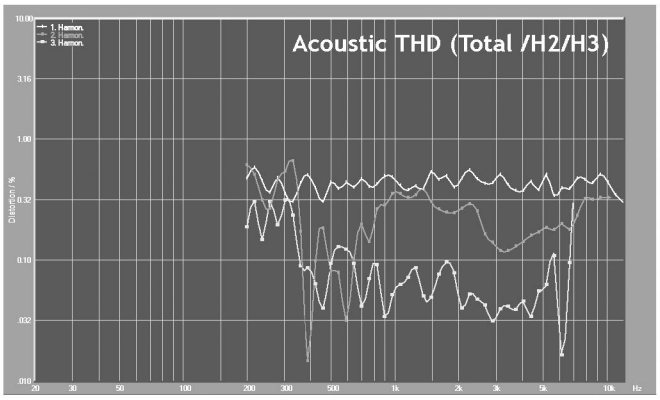
Level control
- Sensitivity adjustable
  - -40 to + 10dB

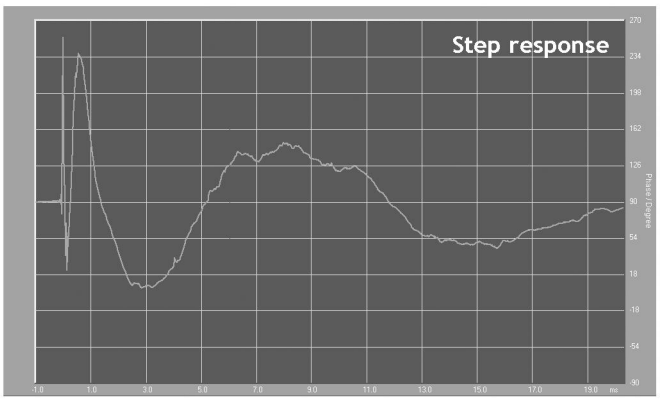
Low-end control
- Corrects Low end from -6 to +4 dB
  - Room compensation
  - Corner/Wall placement Eq

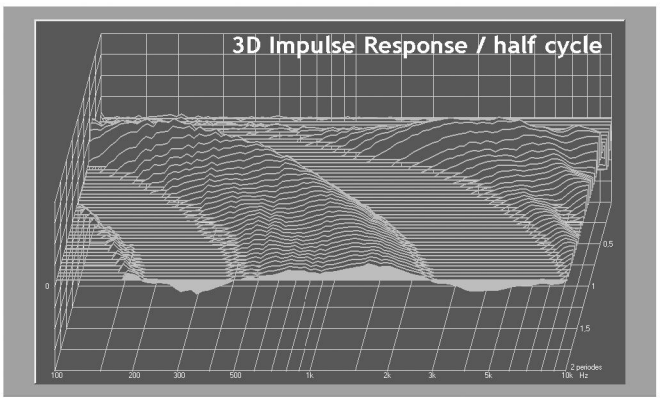
High end control
- Corrects High end from -4 to +4 dB
  - Room compensation
  - Adjustable (Listening taste)











SPECS

SYSTEM	
System design	2 way bass reflex
Construction / Speaker configuration	one plus one
Lower cut off frequency	46 Hz (-3dB)
Upper cut off frequency	21 kHz (-3dB)
Frequency response (free field)	48-20.000 Hz (±2,0 dB)
Maximum output, sine wave (0,1-2 kHz)	109 dB
Maximum output, long term, (RMS)	106 dB
Maximum output, both speakers driven	115 dB
THD at 95dB SPL <100Hz	0,80%
THD at 95dB SPL >100Hz	0,35%
Bass-driver	1 x 18cm , carbon
HF-driver	28mm silk dome, Ferrofluid
Shielded Version	no
Weight	9,4 Kg
Dimensions (width/height/depth)	210 x 380 x 250 mm
ELECTRONIC	
Type of input connector	XLR, female
Input impedance	10 kOhm
Input level adjustment	16 steps from 0,45 - 4,5V
Lowpass filter	35 Hz / 18dB
Highpass filter	25 kHz / 6 dB
X-over frequency	1.300 Hz (12dB/12dB)
HF-driver level control	16 steps, -4dB - +4 dB
Low frequency control	16 steps, -6dB - +8 dB
RMS output Bass-amp	120 W
RMS output HF-amp	120 W
Distortion at maximum acoustic output	0,10%
Signal to noise ratio, at full output	106 dB
Main voltage	115 / 230 V ±20%
Type of Power supply	digital
Power consumption (full output)	160 W, 10 W stand by
Main Purpose	
Listening distances	80 - 300 cm
Near field	x
Mid field	x with AMBER HR