

# BLUE HR active data sheet 2004

## HIGH LIGHTS

### 3 identical 120W amplifier

- ◆ Eliminates time related distortion
- ◆ Controlled damping

### CARBON Woofer

- ◆ 2 x 18cm Carbon/Paper membrane
- ◆ Resonant free Cone

### SILK DOME Tweeter

- ◆ 28mm silk dome
- ◆ Superior transient response
- ◆ 1000Hz X-Over FC

### 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	D'Appolito
Lower cut off frequency	35 Hz (-3dB)
Upper cut off frequency	21 kHz (-3dB)
Frequency response (free field)	37-20.000 Hz ( $\pm 2,0$ dB)
Maximum output, sine wave (0,1-2 kHz)	114 dB
Maximum output, long term, (RMS)	110 dB
Maximum output, both speakers driven	119 dB
THD at 95dB SPL <100Hz	0,40%
THD at 95dB SPL >100Hz	0,28%
Bass-driver	2 x 18cm , carbon
HF-driver	28mm silk dome
Shielded Version	no
Weight	18,2 Kg
Dimensions (width/height/depth)	480 x 250 x 300 mm

### ELECTRONIC

Type of input connector	XLR, female
Input impedance	10 kOhm
Input level adjustment	16 steps from 0,45 - 4,5V
Lowpass filter	20 Hz / 18dB
Highpass filter	25 kHz / 6 dB
X-over frequency	1.100 Hz (18dB/18dB)
HF-driver level control	16 steps, -4dB - +4 dB
Low frequency control	16 steps, -6dB - +8 dB
RMS output Bass-amp	2x 120 W
RMS output HF-amp	120 W
Distortion at maximum acoustic output	0,10%
Signal to noise ratio, at full output	102 dB
Main voltage	115 / 230 V $\pm 20\%$
Type of Power supply	analog
Power consumption (full output)	300 W, 20 W stand by

### Main Purpose

Listening distances	120 - 350 cm
Near field	x
Mid field	x
Main Monitor	x with AMBER HR

