

# HPC-SERIES

High power cardioid subwoofers for tour and fixed installations



## INTRODUCTION

The flagship when it comes to low frequency emission and control, the HPC-series offers "out-of-the-box" cardioid configuration with drivers both in the front and in the back in a cardioid setup.

using a combination of physical distance, delay, EQ, FIR and crossover in an advanced algorithm enables up to 18dB of cancellation behind and on the sides of the subwoofers.

Whether using in fixed installations or for tour applications the HPC-series is appreciated by sound engineers, DJ's, musicians, event companies and rental companies because of the many benefits with the cardioid technology, where the low frequencies are cancelled out behind and on the sides of the subwoofers, using that energy forwards, adding several dB in SPL on axis, raising the sensitivity and max SPL significantly.

## FEATURES

- ▶ True cardioid behaviour "out-of-the-box"
- ▶ Using separate algorithms for each driver ensures optimal cancellation
- ▶ Up to 18dB cancellation
- ▶ Adding 2dB of SPL on axis
- ▶ astounding max SPL
- ▶ Relative compact format compared to max SPL and features
- ▶ Four models available in the series
- ▶ Active and passive versions available
- ▶ Designed for use with line array, horn-loaded, or other high SPL/long-throw systems
- ▶ Long throw

MODEL	B18HPC	B18HPCA	B318HPC	B18HPCX
Design	Cardioid high power subwoofers			
Components	Front: 1 x 18" Back: 1 x 12"	Front: 1 x 18" Back: 1 x 12"	Front: 2 x 18" Back: 1 x 18"	Front: 2 x 18" Back: 1 x 18"
Power Handling cont.	4200W	4200W	7200W	10200W
Voice Coil	4" (100 mm.)	4" (100 mm.)	4" (100mm.)	4,5" (116mm.)
Peak to peak excursion	60 mm.	60 mm.	60 mm.	60 mm
Frequency response	35Hz-120Hz	35Hz-120Hz	30Hz - 100Hz	30Hz - 100Hz
Sensitivity on axis	103dB	103dB	106dB	105dB
Max SPL ( calc. peak)	142dB	142dB	147dB	148dB
Nominal Impedance	Front: 8 ohm Back: 8 ohm	Front: 8 ohm Back: 8 ohm	Front 4 ohm Back 8 ohm	Front: 4 ohm Back: 8 ohm
Dimensions	W50 x H72 x D92	W50 x H72 x D92	W60 x D88 x H120	W60 x D88 x H120
Weight	60 kg	65 kg	120 kg	130 kg
Active version available	no	2 x 1500W class-D amplifier with DSP, 90-250VAC wide mains in, PFC (Power Factor Correction) 4 presets DSP	no	no

Actual measured dispersion pattern of 2 pcs B318HPC in stack @ 2m.

