

Illustration of setup by stage

PROPHON B318HPC - Cardioid 3x18" subwoofer

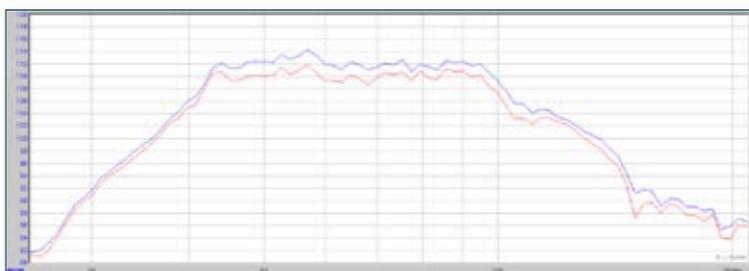
The PROPHON B318HPC, cardioid high power subwoofer was designed for live performance stages, festivals, and for the tour and rental industry, but also for recorded music such as club events and fixed installations in nightclubs etc.

Medium to large bands will also experience a better control over Lf-frequencies, with no feedback-loops, resulting in a much more enjoyable stage-experience, where the stage-monitors or in-ear volume can be lowered significantly, also helping to reduce feedback-loops and giving a more tight and controlled stage sound, which is easier for the sound engineer to manage.

The very special cardioid design allows for extreme control in the LF-frequencies, where the sound engineer and technical engineer can design and steer the sound to where it is wanted, and also omit it where it is unwanted.

Key Features Prophon B318HPC

- Cardioid dispersion pattern
- High sensitivity
- Extremely high max SPL
- Compact size compared to SPL and function
- Relatively light weight using Neodymium magnets
- Low distortion levels
- Easy to use, with presets for downloading from our website
- Perfect for both live music and recorded music
- B318HPC are the perfect match to any Line array system
- -3dB SPL loss for doubling of distance (compared to standard -6dB)
- High Power handling (10,2kW continuous power handling)
- Versatile usage, either stacked or stand alone
- Pre-programmed presets for download
- +2dB forward on-axis SPL compared to standard 2x18" woofers



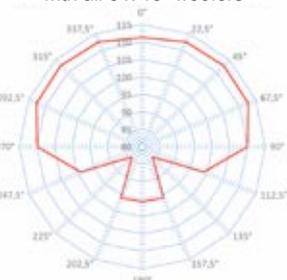
Measured frequency response on-axis, red is 2x18", blue is 3x18"



63Hz Standard mode only with the 2 x 18" frontloaded woofers



63Hz Cardioid mode with all 3 x 18" woofers



(Left measured comparison of dipole pattern)

Measured dipole patterns @ 63Hz, 2m. for comparing standard-mode and cardioid-mode, using only 2x18" compared to 3x18"

The left image shows the typical omnidirectional dipole dispersion pattern common for 2x18" woofers, here we measured the B318HPC in standard mode with the two frontloaded 18" woofers used only.

the right image shows the dispersion pattern of the B318HPC in cardioid mode, with all 3 18" woofers used.

